



An-Najah National University  
Faculty Of Engineering  
Computer Engineering Department

Graduation Project 1

## **Party Planner App**

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Presented in partial fulfillment of requirements of Bachelor degree in  
Computer Engineering

Jan, 2024

## Acknowledgement

I would like to express my sincere gratitude to Allah, the Almighty, for bestowing upon us the wisdom, strength, and perseverance to effectively accomplish this project.

I also want to extend my appreciation to our esteemed supervisors, Dr. Haya Samaana and Dr. Manar Qamhieh, for their invaluable guidance and assistance in developing this party planning application. I would also like to thank the Graduation Projects Committee for giving us the opportunity to work on this project and contribute to the creation of a tool that will benefit both party organizers and enthusiasts. This experience has been a significant learning opportunity, and although we acknowledge that there may be room for improvement in the party planning app, we remain optimistic that it will evolve into a valuable resource for the events industry, enhancing the happiness and satisfaction of its users.

I would also like to express my sincere gratitude to our families and friends for their unwavering love, encouragement, and patience during the long hours dedicated to this project.

## **Disclaimer**

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# Abstract

A Party planner app is a software tool supported by web and mobile, designed to help party owner to reserve all party services. The application provides a range of features including member registration and management. The app help managers to offer their services like decorating the wedding halls, stuff who organize the party activities, party photography studio, cooking services for the party, renting music DJ and payment services. The app is very easy to use. This project is important because it saves time and effort for all and it helps them see all the options that are available.

Additionally, a Party planner management app can also help with marketing and advertising by offering services that matches customers' interests and preferences. It also provides appointment-based bookings and help service owners to track revenue growth. This project enables users to open a chat with service owners.

Another benefit of using a Party planner app is the ability to provide a better customer services. Customers can easily view services. They can also follow their services progress through the app. They can also receive notifications of new offers and updates from service owners. The project aims to change the traditional way for party management.

Finally, during our consideration for this idea, we found out that it isn't a common one in our country. We found that there are similar applications that provide only the service of reserving party halls, but our app provides multiple services in this field. We also found that a high percentage of Party customers face many problems when looking for specific dates for their party services. Therefore, the application will provide all information needed on videos and photos about all their services.

# Introduction

## 4.1 Background and Motivation

The event planning sector within the entertainment industry has witnessed substantial growth and acclaim in recent years. Nevertheless, numerous party organizers and event managers persist in utilizing manual techniques to manage their operations. This methodology can prove to be labor-intensive, ineffective, and susceptible to mistakes. Consequently, these obstacles can result in diminished customer satisfaction, decreased revenue, and ultimately, a decline in business prosperity.

Our Party Planner application is specifically designed to streamline and facilitate member registration and management processes. In addition to its fundamental features, it also provides an extensive array of services aimed at assisting party managers in coordinating successful events. Whether you require assistance with wedding hall decorations, organizing party activities, booking photography studios, hiring professional cooks, arranging music DJ rentals, or managing secure payment transactions, our application serves as a comprehensive solution for all your party planning requirements.

One of the key features of our Party Planner application is its capacity to enhance business outcomes. Through the automation of manual tasks and the provision of a centralized platform for management, the application assists party owners and managers in saving time and boosting efficiency. This automated process facilitates a more streamlined and effective approach to party planning, ultimately resulting in improved business results.

Our dedication to innovation and expertise in event planning served as the driving force behind the development of the Party Planner app. As aspiring computer engineering professionals, we recognized a potential to utilize our technical abilities to tackle real-life challenges within the party planning sector. Our objective is to transform the events industry through the Party Planner application, enhancing the overall management experience for both event organizers and enthusiasts.

Additionally, we acknowledge the potential of our application to provide advantages to small and medium-sized event planning enterprises. Our application is tailored to assist these businesses in competing with larger agencies and attracting new clientele by offering a cost-effective and user-friendly party planning system. Essentially, our main goal with the Party Planner application is to deliver a comprehensive solution for party owners and managers, while simultaneously fostering the growth and advancement of the events industry.

## 4.2 Problem

As stated in the Background and Motivation section, party organizers and managers frequently rely on outdated, inefficient, and error-prone manual methods to manage their events. Depending on such non-automated approaches can result in dissatisfied clients, decreased revenue, and hindered business expansion. Our Party Planner application seeks to enhance the user experience by addressing these inefficiencies and user-unfriendliness. We aim to provide party owners and managers with a technological solution that minimizes the requirement for manual operations in event management, while simultaneously improving the overall customer experience.

## 4.3 objectives

Our objectives for the Party Planner application are to address the main problem of manual party planning processes, while also improving the customer experience, increasing efficiency and accuracy, and providing valuable insights to party owners and managers.

## 4.4 Scope of the Project

The scope of our Party Planner application project is to develop a complete software solution that addresses the challenges and goals mentioned in the Problem Statement and Objectives sections. The application is designed to cater to party owners, managers, and their customers.

## 4.5 Importance

Our Party Planner application is designed to streamline operations, automate tasks, and provide valuable features that enhance the efficiency and success of event planning. It offers the following benefits:

1. Automation of manual party planning processes: Our app automates various aspects of party planning, including handling reservations, managing service offerings, processing payments, tracking event progress, and reducing the time and effort required for these processes. The chat system and notifications also facilitate seamless communication between party organizers and service providers.
2. Improved customer experience: Our app provides customers with an intuitive platform where they can easily view party details, manage their reservations, update their profiles, and interact with service providers and the party planning community. This ensures a superior customer experience and encourages repeat business.
3. Increased efficiency and accuracy: By automating party planning processes, our app enhances efficiency and accuracy, minimizing errors and reducing the risk of disruptions that could negatively impact the outcome of an event. This allows party organizers to deliver a smooth and flawless experience for their clients.
4. Provision of valuable insights: Our app equips party owners and managers with valuable insights into their business. They can access reservation statistics, revenue details, and customer preferences, enabling them to make informed, data-driven decisions to continually improve their services and overall business operations.

## 4.6 Report Outline

The report is structured into seven distinct phases. It commences with an introductory section, followed by a comprehensive exploration of constraints, standards, and codes. Subsequently, we delve into an analysis of the previous coursework that pertains to the project and emphasize the primary challenges encountered. The report also encompasses a chapter dedicated to a thorough literature review and another chapter that outlines the methodology employed, including the various stages of project development and the tools and technologies utilized. Our results and discussion section offers a meticulous account of the obstacles surmounted and the accomplishments attained. Lastly, the conclusion chapter presents recommendations and sets forth goals for future development.

## Constraints and Earlier coursework

### 5.1 Constraints

1. We faced several challenges in identifying and integrating all the essential features required to meet the diverse needs of party organizers. Striking a balance between these features to cater to the varying requirements of our users proved to be a significant limitation.
2. The development timeline for the Party Planner app was constrained by various factors, including the team's prior commitments in managing party operations and simultaneous involvement in other projects. Furthermore, since this was our first encounter with Flutter and Dart programming languages for app development, a significant amount of time was dedicated to the learning curve at the beginning of the development cycle. The project was restricted to a mere four months, during which the team primarily focused on acquiring the fundamental knowledge and skills.
3. Our project was tested and developed exclusively on Android devices, primarily due to resource limitations on iOS devices. The platform constraints influenced our decision to focus on Android, ensuring the development of a more robust and stable application within the available resources.

### 5.2 Earlier coursework

The Computer Engineering courses we completed equipped us with invaluable knowledge that we applied to the development of this application. The principles of Web Programming and Object-Oriented Programming, which we acquired through our coursework, served as the fundamental building blocks for this project. Furthermore, we augmented our skills by enrolling in online courses on Udemy for Flutter and Firebase, participating in a Node.js bootcamp, and studying MySQL at the university. These supplementary courses played a pivotal role in the successful implementation and development of our application.

## Literature Review

Party planning systems have undergone significant evolution over the years, starting from rudimentary paper records and progressing towards sophisticated digital solutions. In the 1980s, the advent of the first party management software revolutionized the industry by facilitating the tracking of reservations, attendance, and billing. Subsequently, in the 2000s, web-based party planning systems gained momentum, empowering organizers to remotely manage operations with the convenience of an internet connection.

In parallel with the fitness industry, the realm of party planning has witnessed remarkable growth in recent years. As individuals increasingly prioritize their social lives and attach greater significance to celebrations, the party planning industry has experienced an unprecedented surge. The growing awareness of the importance of commemorating special occasions has led to a proliferation of party venues and event facilities worldwide, thereby contributing to substantial revenue within the industry. In fact, in 2022 alone, the party planning and event coordination industry generated a staggering 5.6 billion dollars, underscoring the flourishing landscape of celebratory events.

The surge in popularity of fitness mobile applications can be attributed to their effectiveness in addressing various challenges and simplifying processes. Our team has developed the Party Planner mobile application, which offers a wide range of features and services to enhance the user experience. With this app, users can easily access and book party services, track their event planning progress, and receive personalized event plans from certified organizers.

The Party Planner app has a user-friendly interface and seamless navigation, making it easy for users to organize their party planning routines and stay motivated. Our goal with this app is to provide a comprehensive approach to event planning, addressing the challenges individuals face when organizing and executing memorable celebrations.

It's important to note that other event planning systems may lack certain features. Some may not have a comprehensive service booking system or a communication platform with event planners and fellow users. Party Planner, on the other hand, stands out by providing users with all the necessary features for a well-rounded and satisfying event planning experience.

# Methodology

Based on extensive research and a comprehensive literature review on party planning and event apps, it is evident that the Party Planner app represents a significant advancement in the realm of seamless event coordination and celebration. This chapter delves into the research methodology employed, encompassing data collection, analysis, and processing. Furthermore, it elucidates the tools, methods, and systems utilized in the development of the Party Planner app, while presenting the resulting findings.

## 7.1 Tools, Methods and Programming Languages

To develop the Party Planner application, we employed a diverse range of tools, methodologies, and programming languages. For the front-end development, we utilized the Flutter and Dart programming languages, enabling us to create a contemporary and intuitive user interface. On the backend, we leveraged Node.js and Express.js to establish a RESTful API responsible for managing the application's data and logic. Additionally, we employed MySQL to design a relational database schema, facilitating the storage and organization of the application's data. Throughout the development process, we made effective use of Git for version control, ensuring seamless collaboration and efficient management among team members.

### 7.1.1 Client Side

- **Design:** The design phase of the client side of the Party Planner App began with brainstorming ideas and conducting extensive research to develop a creative and innovative design concept for the application. Our motivation to pursue this idea stemmed from our passion for event planning and our commitment to creating a more efficient and user-friendly party planning tool for ourselves and other enthusiasts. Instead of using a pre-designed application UI template, we invested significant effort into creating a unique user interface (UI) for the application. The UI design was developed internally, taking into account the findings from our research and considering user requirements and industry best practices. This approach enabled us to create a customized, user-friendly, and visually appealing design that aligns with the overall theme and brand of the application. We carefully selected a color scheme to enhance the user experience and provide a sense of comfort when using the application.

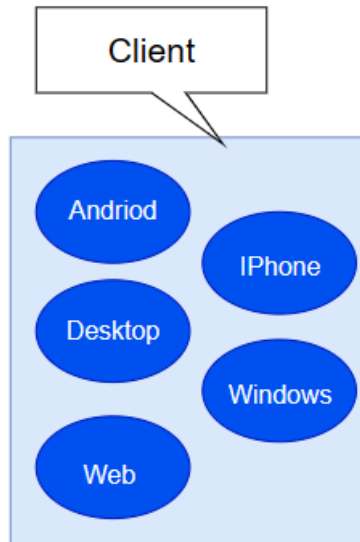


Figure 7.1: client architecture

- **Framework:** For our client-side development, we have opted to utilize Flutter, Google’s cross-platform UI framework. Flutter is an open-source mobile application development framework created by Google that employs the Dart programming language. It offers a plethora of features, including hot-reload, widget-based development, and platform-specific widgets. We have selected Flutter because it enables us to develop mobile applications for both iOS and Android using a unified code base. This eliminates the need for separate native programming for each platform, thereby saving us valuable time and effort in cross-platform app development. Flutter possesses a solid track record, boasts exceptional speed, and exhibits outstanding cross-platform capabilities, rendering it the ideal choice for our gym management app.
- **Programming Languages:** Dart serves as the programming language for client-side development in Flutter, developed by Google and characterized as object-oriented. Our choice of Dart was influenced by its ease of learning and working, stemming from our familiarity with similar languages during our university studies. Beyond its approachable nature, Dart is equipped with numerous libraries that streamline and accelerate the script-writing process. Its rising popularity further attests to its efficacy and utility in modern development landscapes.

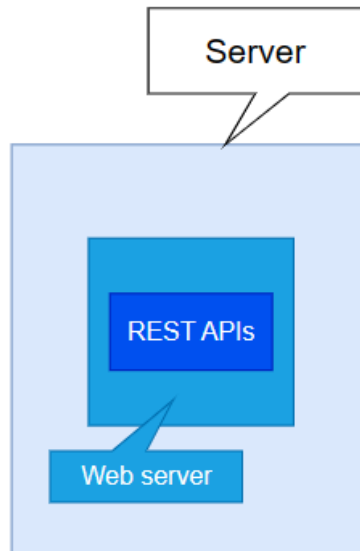


Figure 7.2: Server architecture

### 7.1.2 Server Side

- **Architecture:** We chose a client-server architecture for our party planning system, which allows multiple clients to easily utilize the same API. The server infrastructure was carefully designed to support a RESTful API, ensuring smooth communication between the clients and the server.
- **Framework:** We have employed Node.js and Express.js as the primary framework for our server-side environment. These selections were made based on several factors, including the ease of learning, extensive documentation, scalability, and exceptional performance of Node.js - all of which align perfectly with our project requirements. Moreover, Express.js, widely acknowledged as the standard server framework in the Node ecosystem, has proven to be an excellent choice for our back-end development needs. By combining the capabilities of Node and Express, we have established a robust and efficient server-side architecture for our application.

### 7.1.3 Database Design

Having an effective database design is essential for any system development project. It entails defining the structure, organization, and relationships of data within a database. In the context of our party planning system, the database design has been meticulously crafted to capture and manage all the requisite information for efficient event planning.

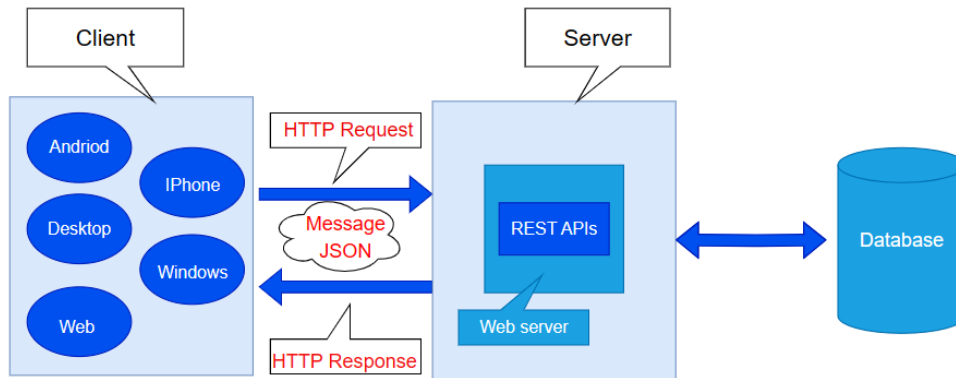


Figure 7.3: client-server architecture

We have selected SQLDB as our database management system. It is a dependable open-source system specifically tailored for managing relational databases. SQLDB enables the organized creation, storage, and manipulation of data. The primary objective of this design is to accommodate diverse database applications and offer robust functionalities for data storage, access, and administration.

In our database design for the party planning system, we have incorporated a comprehensive set of tables that represent vital components of the system. These tables encompass members, organizers, party details, and schedules. Each table comprises various fields that describe the attributes or characteristics of the corresponding element. For example, the party details table may include fields such as ID, place, date, and status.

To establish connections between these tables, we have utilized relationships that delineate the interdependence between data in one table and data in another. For instance, the party details table can be linked to the organizers and attendees tables, indicating the organizers responsible for a specific event and the attendees associated with each party. This relational structure enhances the cohesiveness and functionality of the party planning database, facilitating more efficient data management and retrieval.

Apart from the tables and relationships, the database design also encompasses a critical set of constraints that ensure the integrity and consistency of the data. These constraints establish rules and conditions that the data must adhere to before being added or updated in the database. For instance, the order status field in the order table may have limitations that only allow values such as "accepted," "waiting," or "canceled."



Figure 7.4: MYSQLDB with nodejs server

The significance of the database design in the architecture of the party planning system lies in its capacity to provide a structured framework for organizing, storing, and retrieving data. This framework facilitates the efficient and effective management of event planning operations. By selecting SQLDB as the database management system, we have a robust tool that significantly contributes to the project's success.

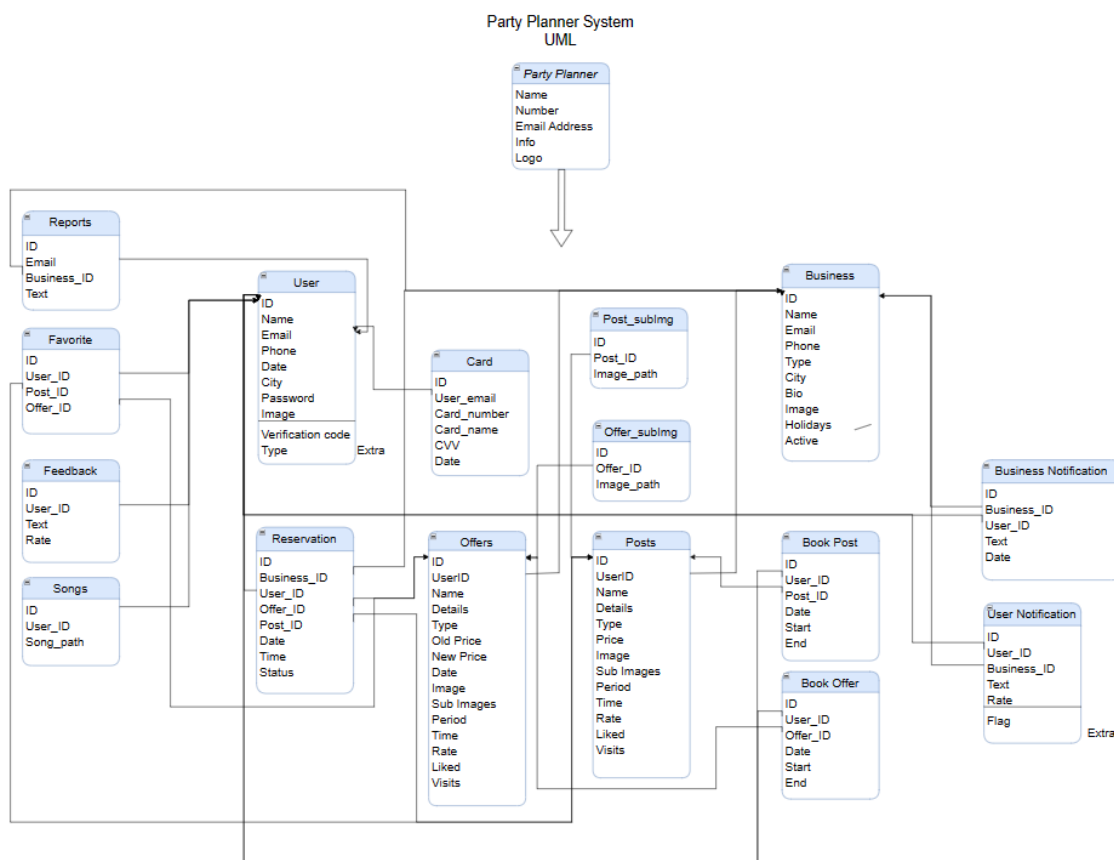
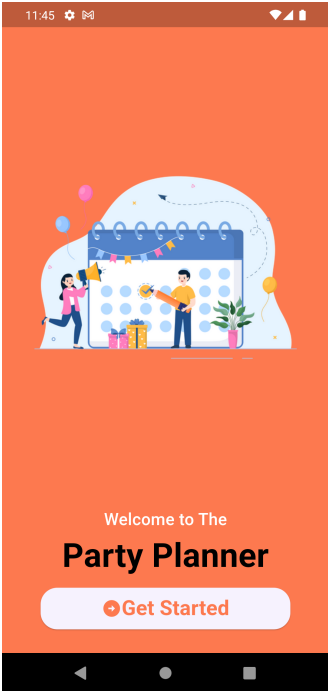


Figure 7.5: The UML diagram for the database.

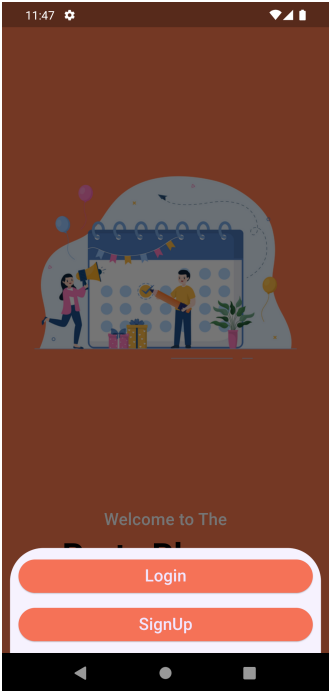
# 7.2 System Features and Implementation

## 7.2.1 Login and Registration feature

The "Get Started" screen is the first screen users see when they launch the app. It serves as a gateway to the Login or Register pages, providing a user-friendly introduction to the app's features. This screen allows users to smoothly transition between the login and registration processes. Its strategic placement as the initial interface ensures a positive and engaging first impression for every user.



(a) Get Started Screen 1



(b) Get Started Screen 2

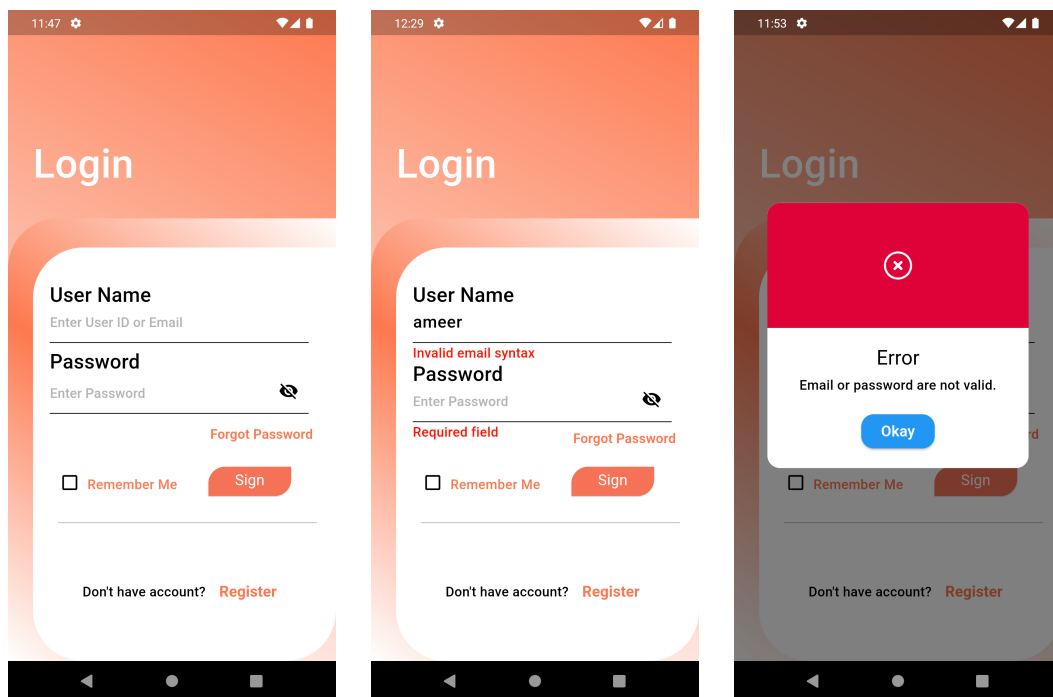
### 7.2.1.1 Login

The Login page is a critical component of our application's user interface. It serves as the gateway for users to authenticate themselves before gaining access to their accounts. We have implemented a robust validation technique for both the email and password fields during the login process to ensure the security and accuracy of user information. The email validation verifies that the entered email is in the correct format, while the password validation includes checking for passphrase conditions.

To enhance user convenience, we have incorporated a "Remember Me" button. When activated, this feature securely saves the user's login credentials, allowing them to seamlessly access their accounts even after closing and reopening the application. This feature significantly improves the login experience, particularly for returning users, by making it smoother and quicker.

Additionally, the Login page provides options for users who do not possess an account to sign up. By simply clicking on the signup button, they can easily create a new account. Moreover, for users who may have forgotten their password, we have included a "Forgot Password" button. This button initiates a password recovery process based on the user's email. Further details on this process are explained in the dedicated password recovery section.

By incorporating these various features, we ensure a user-friendly and secure login experience that caters to the needs of all users.



(a) Login Screen

(b) login screen validation

(c) Invalid Login

### 7.2.1.2 Registration

The Registration page is a critical component of our application, enabling users to establish their accounts by providing essential information. Users are prompted to enter their email address, name, phone number, date of birth, city, password, and confirm password. The page is equipped with a robust set of validations to guarantee the accuracy and security of the data.

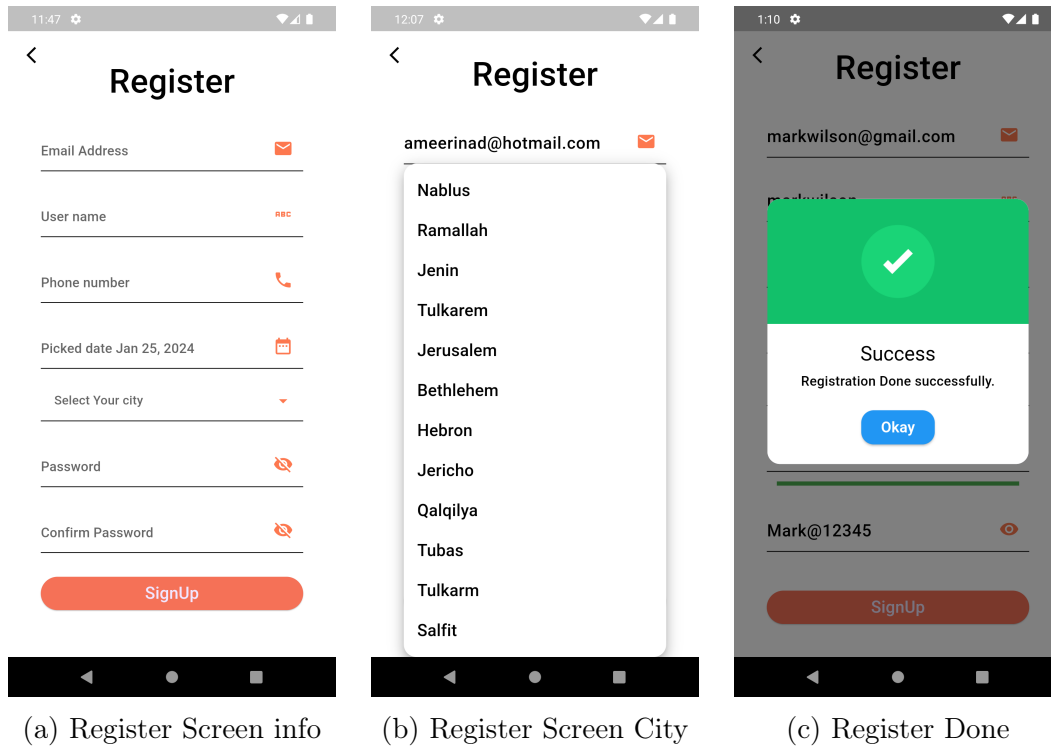
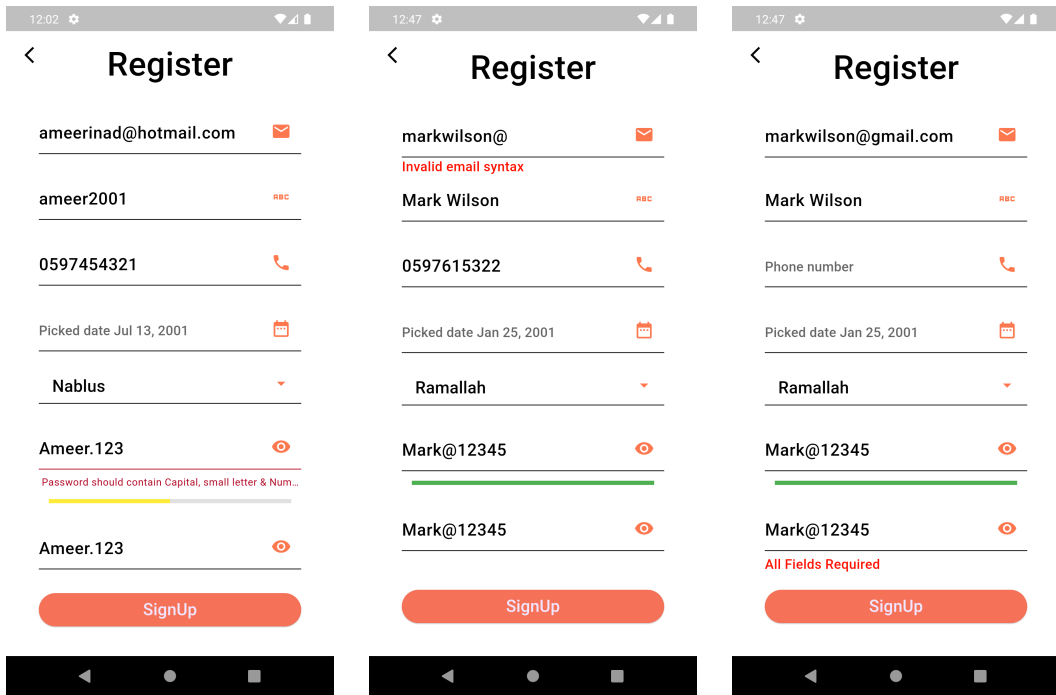


Figure 7.8: Register Screen

Upon submission, the Register page thoroughly checks for various conditions to ensure a smooth and error-free registration process. Primarily, it ensures that all fields are filled out, providing immediate feedback to the user with a message stating "All fields required" if any omissions are detected. Additionally, the page scrutinizes the email syntax to identify and notify the user of any inaccuracies.

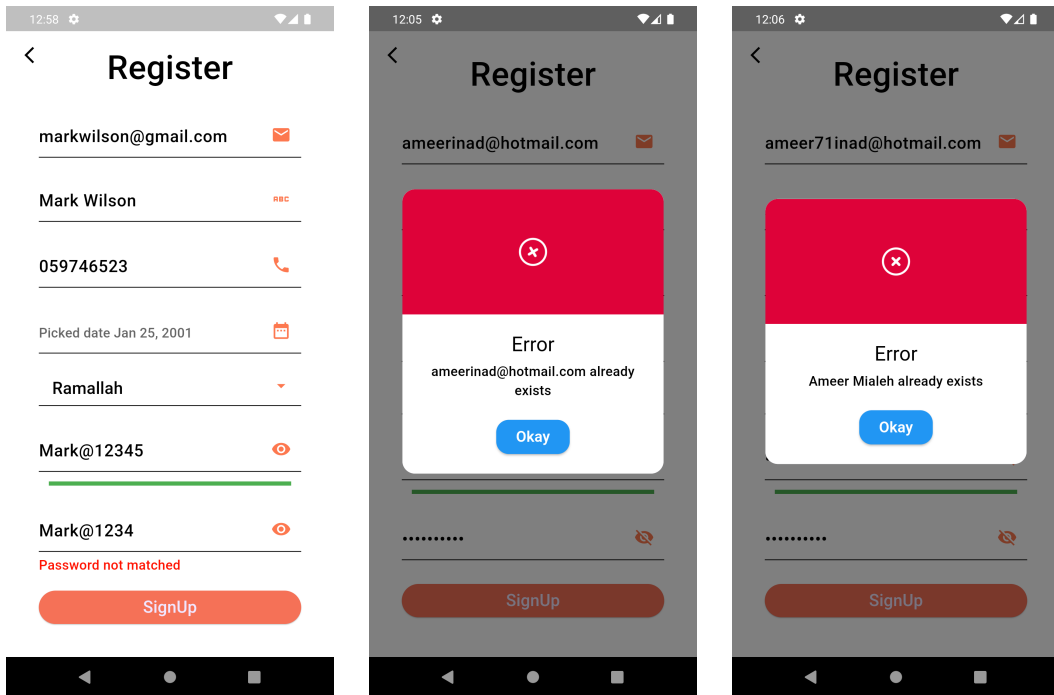
The password validation includes verifying that the entered password matches the confirmed password, ensuring they align correctly. Furthermore, the password is checked for compliance with security standards, requiring the inclusion of both uppercase and lowercase letters, numbers, symbols, and a minimum length of 8 characters.

To avoid duplication, the Register page verifies the uniqueness of the entered email and name, indicating any conflicts with existing records. In the event of successful registration, a QuickAlert with a success type promptly appears, providing positive feedback to the user and confirming the completion of the registration process. This meticulous approach guarantees that users can register securely and seamlessly while maintaining the integrity of the application's user database.



(a) Register validation 1      (b) Register validation 2      (c) Register validation 3

Figure 7.9: Register Validations



(a) Register validation 4      (b) Register validation 5      (c) Register validation 6

### 7.2.1.3 password recovery

The Password Recovery page provides a secure and user-friendly method for users to regain access to their accounts. Users start the process by entering their registered email address, which prompts the system to generate and send a 4-digit recovery code to that email address. A time-sensitive feature ensures that users receive the code promptly, with the option to resend it if it is not received within 60 seconds.

Once users successfully receive the recovery code, they enter the provided digits on the Password Recovery page. The system then verifies the entered code and, if correct, allows users to reset their password. This additional security measure ensures that only authorized users can proceed with the password recovery process.

Additionally, the Password Recovery page includes checks to confirm whether the entered email corresponds to an existing account. This validation step ensures that the recovery process is initiated only for valid and registered email addresses, which enhances the security and integrity of the password recovery system. Overall, the Password Recovery page offers a seamless and secure solution for users to regain control of their accounts while maintaining the confidentiality of their information.

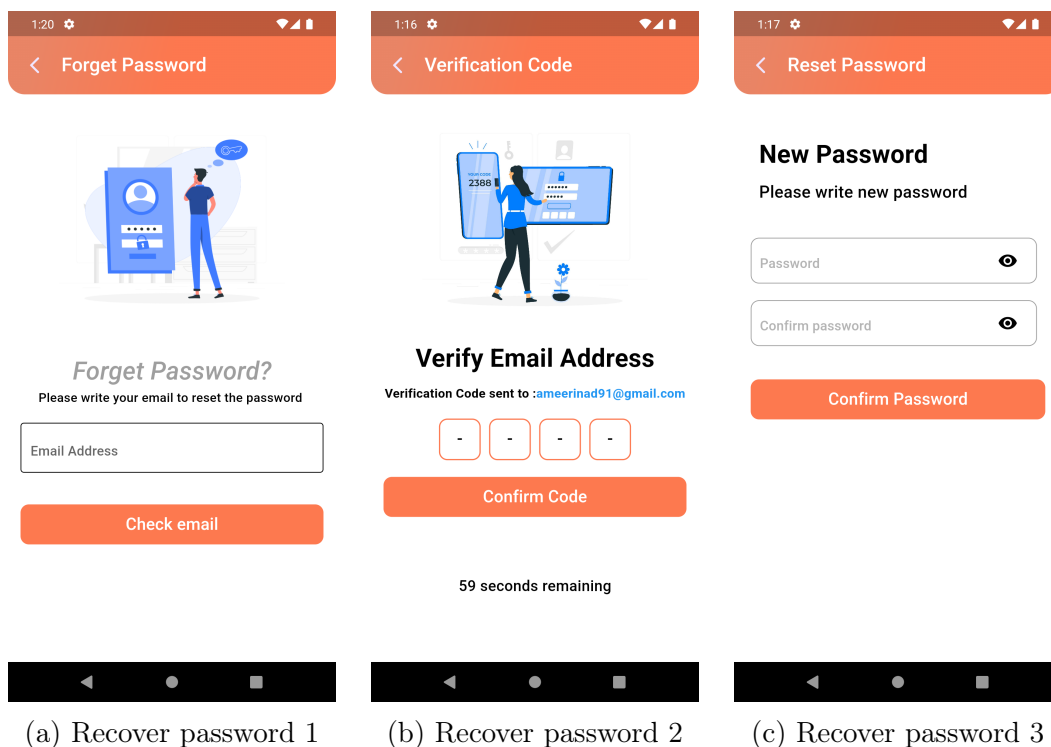
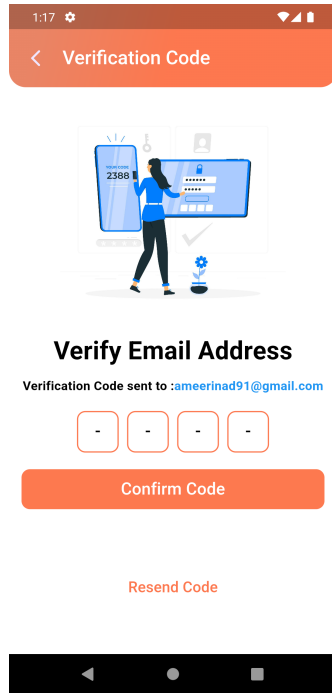
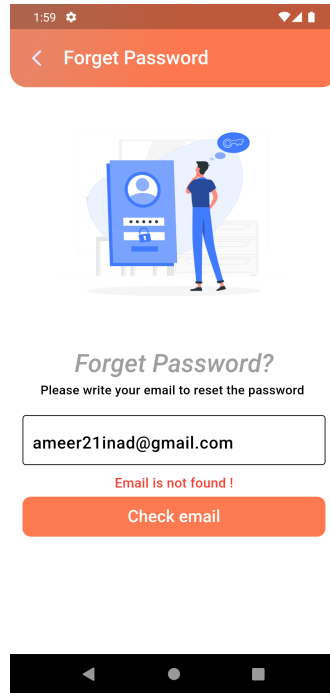


Figure 7.11: Recover password Screen



(a) Recover password 4



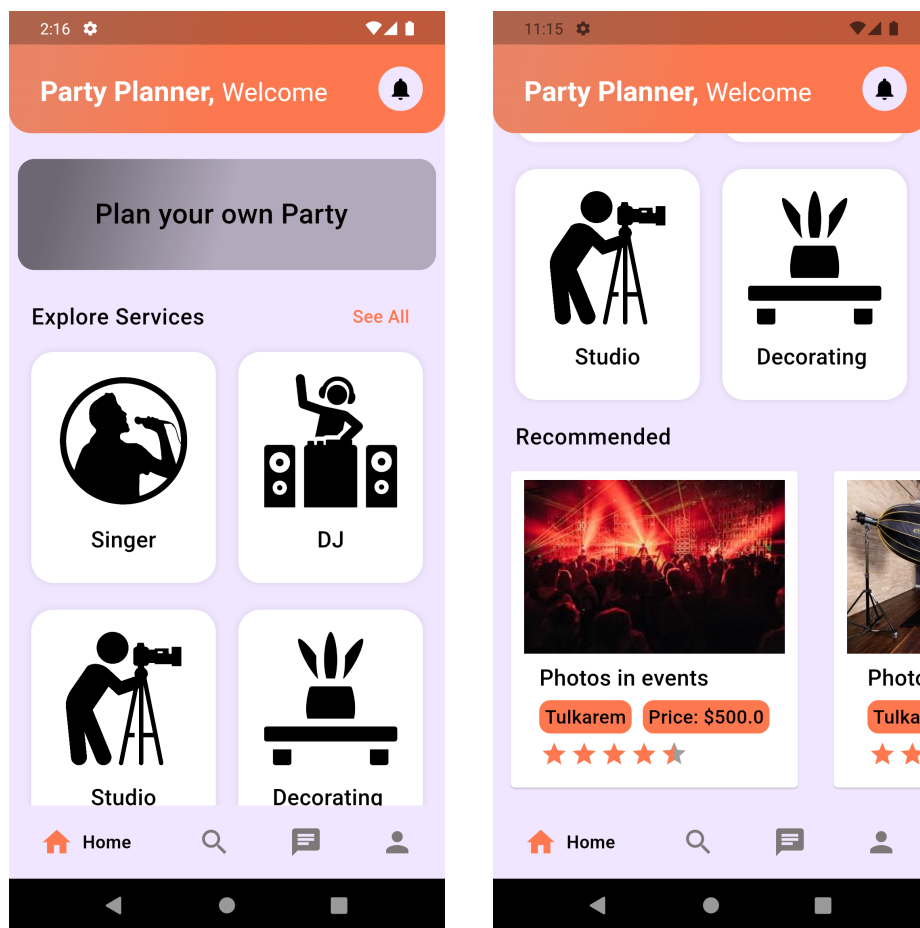
(b) Recover password 5

## 7.2.2 Users Screen and features

Once the user logs in successfully, they will be automatically redirected to the main home screen.

### 7.2.2.1 Home Screen

The user account's main home screen presents a central hub with interactive features aimed at enhancing user engagement. The interface includes user-friendly buttons for quick access to essential functions, such as a dedicated notification center that provides a comprehensive overview of updates. A strategically placed party planning button allows users to effortlessly organize events and create a personalized experience. Events are neatly categorized, making it easy to explore content. The home screen also showcases a curated selection of recommended Events, adding a touch of serendipity to the browsing experience. All these elements work together to create a dynamic and user-central home page, improving the application's functionality and ensuring a seamless and enjoyable user journey.



(a) Home Screen User 1

(b) Home Screen User 2

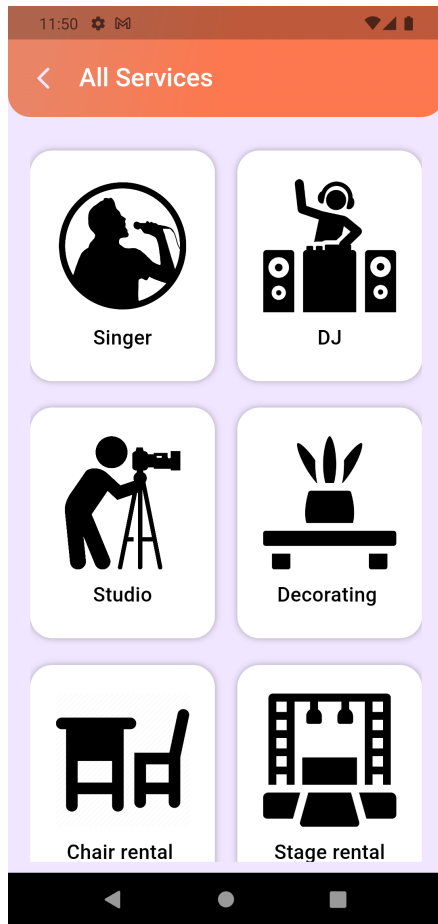
Figure 7.13: Home Screen user

- **Explore Services -See All**

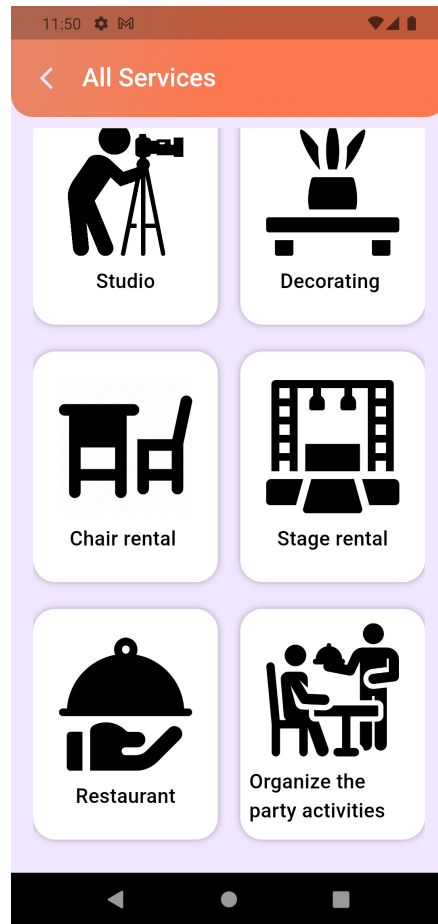
The "See All" button is an essential tool within the application, enabling users to explore a diverse array of content and services that are tailored to their interests. With a single click, users can access a multitude of skilled photographers, event organizers, unique party venues, and more. This feature simplifies the search process by offering a convenient and centralized platform, allowing users to discover, connect with, and engage with the various offerings available within the application. By incorporating this feature, the application enhances user convenience and creates a seamless, personalized experience as users navigate through different options and services that align with their specific needs and preferences.

When users click the "See All" button, they will be directed to a page that showcases a variety of categories. Each category is designed to cater to different interests and service needs. Users can explore the "Singer" and "DJ" categories to discover professional musicians available for event bookings. In addition to finding music entertainment, users can also find creative decorating ideas and connect with skilled photographers for event coverage in the "Studio" category. The "Organizer" category provides valuable insights into event planning, while the "Restaurant" category offers a curated selection of eateries that specialize in party catering.

To enhance convenience, users can easily find event essentials through the "Chair Rental" and "Stage Rental" categories.



(a) Explore Services 1



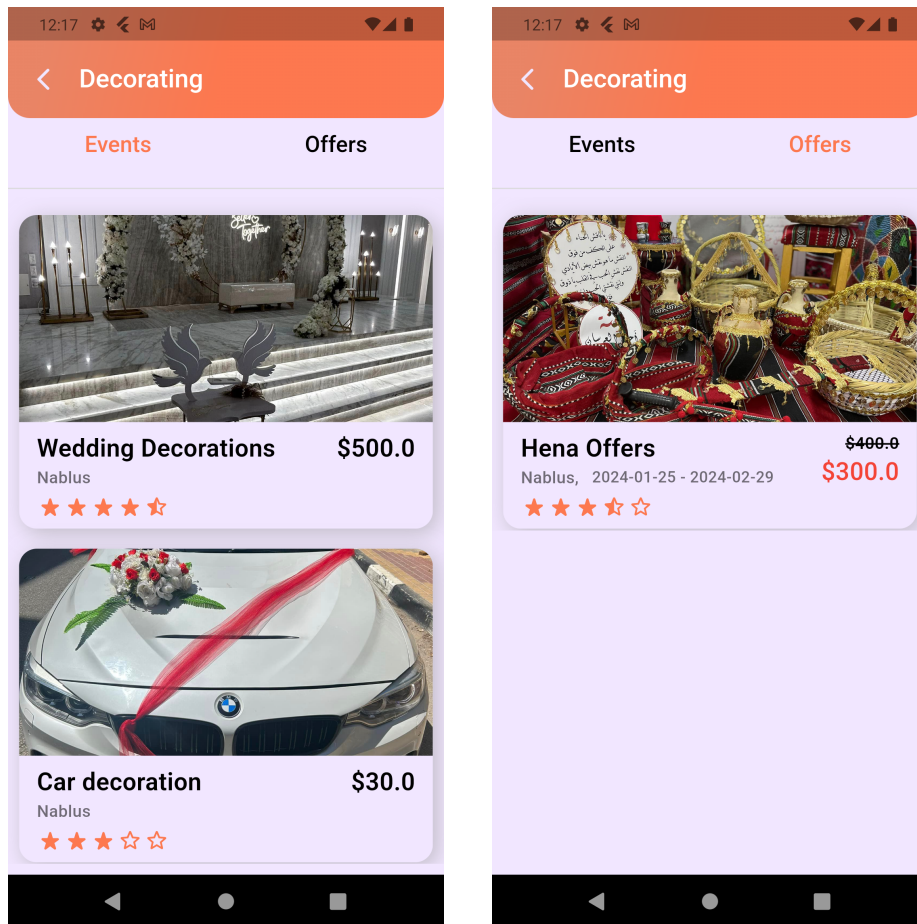
(b) Explore Services 2

Figure 7.14: Explore Services

- **Services Page**

When users select a category, they will be directed to the Service Page, which has two main additional categories to enhance their experience. The first category, called "Events," is a platform where users can explore service-related listings within the chosen category. For example, in the "Decorating" category, users can find Events from service providers showcasing their expertise. These Events are designed for users to directly make appointments, making it easy for them to connect with service providers.

The second category, called "Offers," is a dedicated space that showcases all available promotions and discounts within the chosen service category. In the "Decorating" category, users can find exclusive offers on decoration services, giving them cost-effective options for their events. This dual-section Service Page ensures that users have access to relevant service listings for direct appointment booking and can also take advantage of special offers. This creates a comprehensive and valuable user experience.



(a) Service page Events

(b) Service page offers

Figure 7.15: Service page

### 7.2.2.2 Recommended Screen

The "Recommendation" screen offers a user-centric approach, allowing users to personalize and enhance their party planning experience. Within this interface, users can enter essential details to receive customized recommendations:

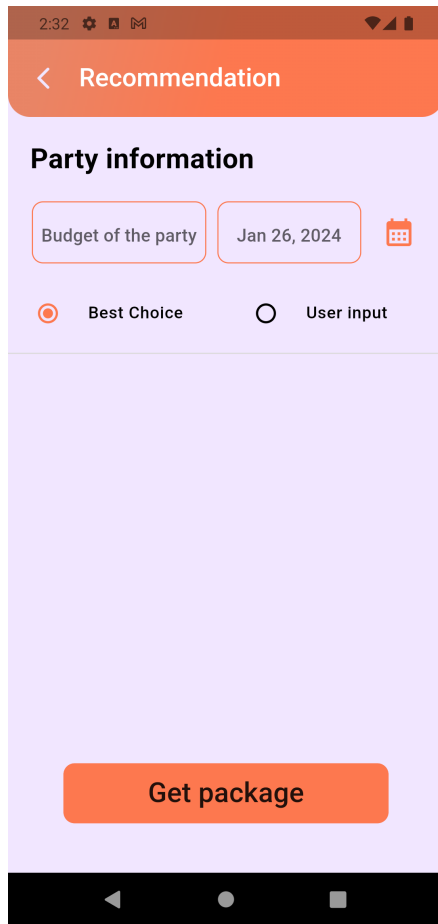
- Users have the option to input their budget for the upcoming party, ensuring that recommendations are in line with their financial preferences.
- The date feature allows users to specify the event date, resulting in more accurate and timely recommendations.
- Users can choose the specific category or theme of the party they are planning, tailoring recommendations to suit the nature of the event.
- For users seeking optimized recommendations, the "Best Choice" option provides an automated allocation of the budget percentages, offering expert-driven suggestions for the most effective distribution across categories.

This personalized and user-friendly interface empowers users to express their preferences and expectations, enabling the program to generate recommendations that precisely align with their unique party planning requirements. The inclusion of the "Best Choice" option adds an additional layer of convenience, allowing users to leverage expert recommendations for an optimal party planning experience.

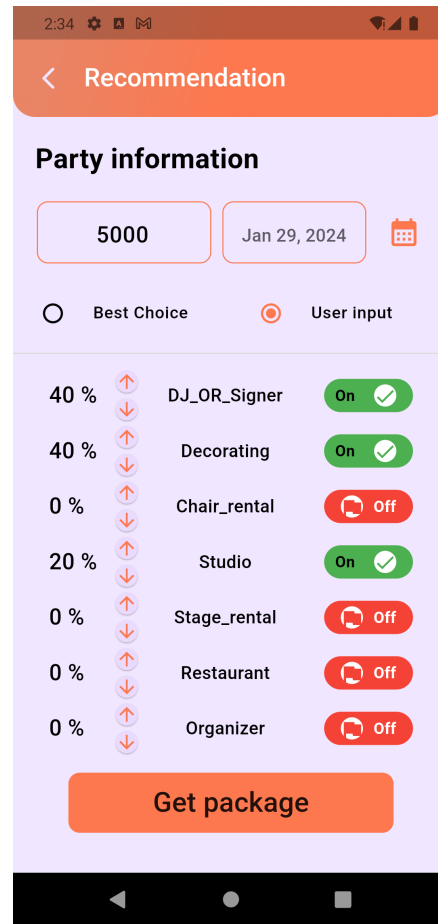
The "Recommendation Result" screen displays a personalized selection of packages that are tailored to the user's specified budget, date, and party category preferences. Among these options, there are four packages that stand out, each catering to different priorities:

- Best Rate Package: This package places a high emphasis on providing top-quality services with exceptional ratings, ensuring an excellent party experience that aligns with the specified budget.
- Best Price Package: With a focus on affordability, this package optimizes the allocation of the budget to offer users a cost-effective yet enjoyable party experience, delivering maximum value without compromising on quality.
- Suggested Packages: These packages present a variety of suggestions, showcasing creative, unique, or popular approaches to party planning to cater to different preferences.

Each package provides a comprehensive breakdown of categories, featuring relevant Events that align with the chosen party theme. Users can explore these Events to gain insights into the services and features offered. The interface seamlessly facilitates the booking process, allowing users to make party appointments directly through the showcased Events.

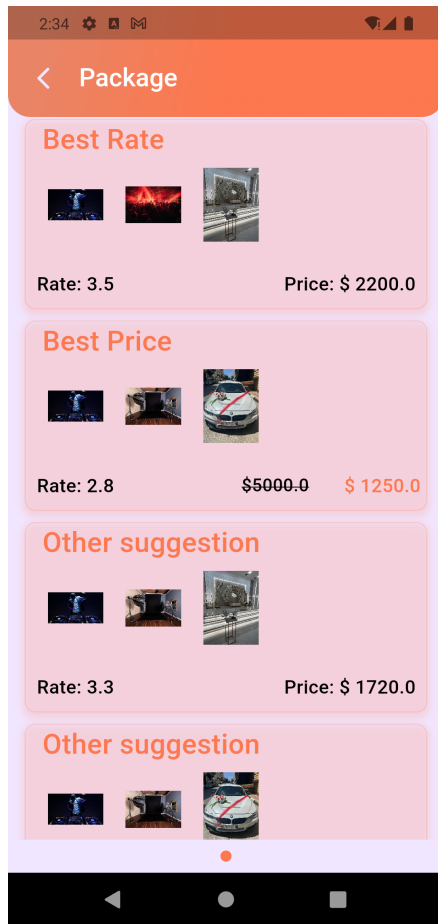


(a) Recommended Screen 1

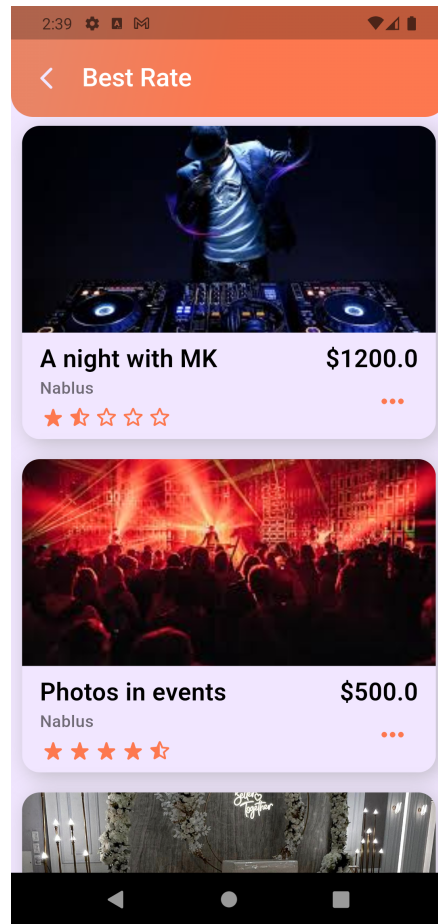


(b) Recommended Screen 2

Figure 7.16: Recommended Screen



(a) Recommended Screen 3



(b) Recommended Screen 4

Figure 7.17: Recommended Result

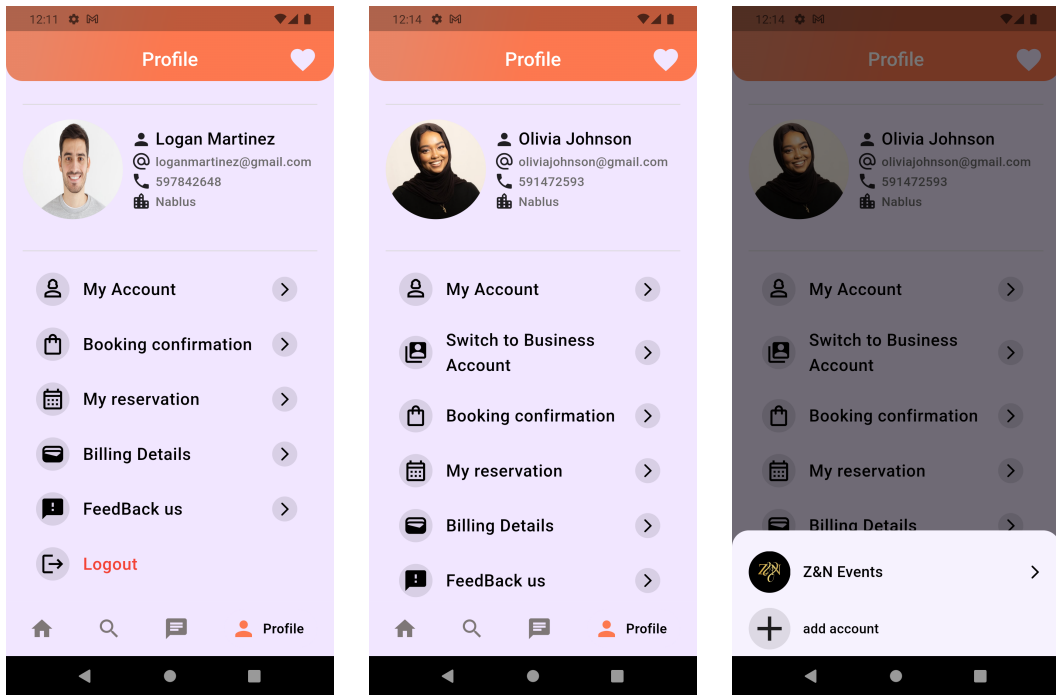
### 7.2.2.3 Profile Page

The profile page serves as a central hub for users to manage various aspects of their account. At the top of the page, users can conveniently access a button that directs them to a compilation of their favorite Events. Below this, essential user information such as name, email, phone number, and city is displayed, accompanied by a personalized profile picture to enhance the visual experience.

Moreover, the profile page includes user-friendly buttons that provide quick navigation to key sections:

1. My Account: Users can effortlessly manage and update their personal information and preferences.
2. Booking Confirmation: This convenient section allows users to view and confirm their bookings made through the application.
3. My Reservations: Users can easily access and track their event reservations and appointments.
4. Billing Details: Users can conveniently view the available payment methods for their transactions.
5. Feedback: Users can share their thoughts and experiences, offering valuable feedback to improve the application.
6. Logout: Users have the option to securely log out of their account, ensuring privacy and security.

For users with a business account, an additional button labeled "Switch to Business Account" is provided. Clicking on this button brings up a bottom navigation bar that displays a list of available business accounts. This feature simplifies navigation and makes it effortless for users to switch between personal and business profiles.



(a) Profile Screen

(b) With business account

(c) Switch to business acc

Figure 7.18: Profile Screen

### 7.2.2.4 My Account Screen

The "My Account" screen offers users three essential features to enhance their account management experience:

1. **Update Profile:** This feature allows users to keep their information current and relevant. By selecting "Update Profile," users can easily modify and refine their personal details, ensuring that their account reflects accurate and up-to-date information.
2. **Create Business Account:** For users who want to expand beyond personal use, the "Create Business Account" feature opens up new possibilities. This functionality allows users to effortlessly set up a business profile, unlocking tailored tools and services to meet their professional needs within the application.
3. **Change Password:** Security is of utmost importance, and the "Change Password" feature provides users with a straightforward way to strengthen the safety of their account. By selecting this option, users can easily update their password, reinforcing the confidentiality and protection of their account.

These three features collectively empower users to actively manage their account, ensuring it aligns with their evolving needs, professional aspirations, and security preferences. The "My Account" screen serves as a user-centric hub, promoting ease of use and personalization within the application.

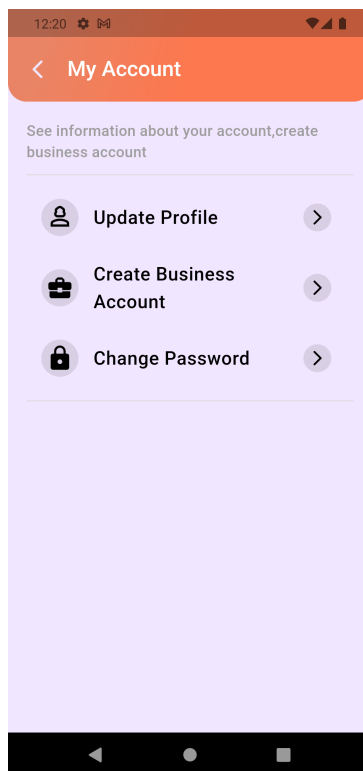


Figure 7.19: My account screen

## • Update Account

The "Update Account" screen is a user-friendly platform that allows users to refine and personalize their account information. It provides an interface where users can easily edit various details to tailor their profiles to their preferences. The following options are available:

1. Profile Picture: Users can effortlessly upload or change their profile picture, adding a visual element to their account.
2. Full Name: The "Update Account" screen enables users to modify their full name, ensuring accurate representation of their identity.
3. Email: Users can update their email address, facilitating seamless communication and ensuring receipt of relevant updates and notifications.
4. Phone Number: The "Update Account" screen offers flexibility to edit or add a phone number, providing an additional means of communication.
5. Date of Birth: Users have the freedom to adjust their date of birth, allowing for precise representation and potential customization based on age-related preferences.
6. City: The city information can be modified, catering to users who may relocate or wish to showcase a different location.

With this comprehensive "Update Account" screen, users have complete control over their account details, fostering a personalized and user-centric experience within the application.

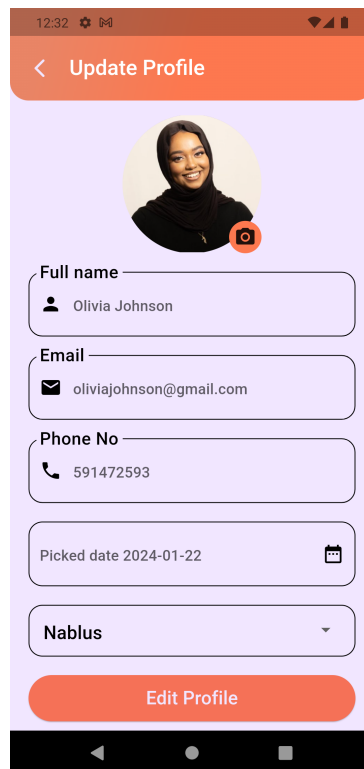


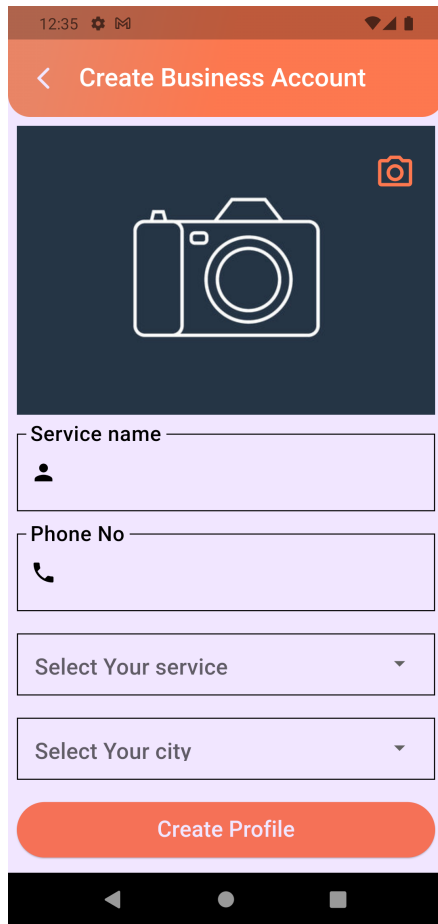
Figure 7.20: Update account user

- **Create Business Account**

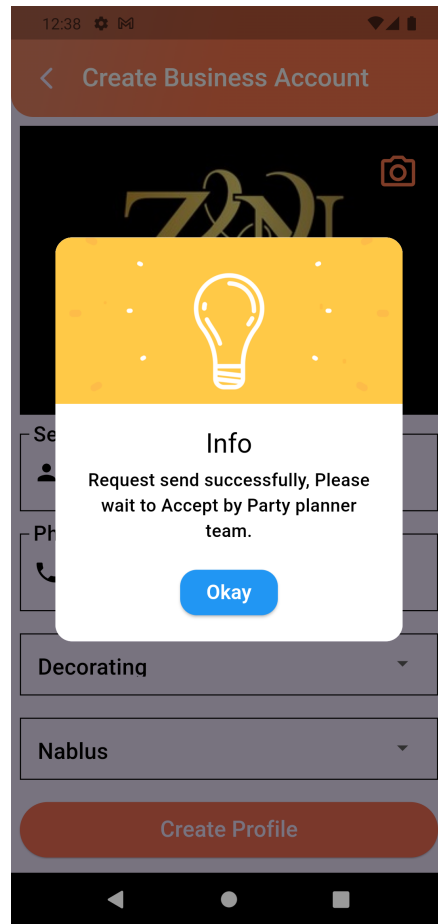
The "Create Business Account" page serves as a dedicated space for users to easily establish their business presence within the application. This user-friendly interface simplifies the process of initiating a business account and sending an activation request to the administrator. The page includes the following key elements:

1. **Profile Picture for Business Account:** Users can upload a distinct profile picture that visually represents their business within the application.
2. **Service Name:** Businesses can provide a unique and recognizable name for their services, making it easy for users to identify and engage with their offerings.
3. **Phone Number for Business Account:** A dedicated phone number is included to ensure that potential clients can easily contact the business for inquiries and bookings.
4. **Select your service:** Users can choose from a dropdown menu of various service categories, such as DJ, Singer, Studio, Organization, Stage Rental, Chair Rental, and Restaurant. This helps categorize businesses and enables users to efficiently find relevant services.
5. **City:** Users can specify the city in which their business operates, aiding in location-based searches and personalized recommendations.
6. **Submit Request:** The page prominently features a button that allows users to submit their business account creation request to the administrator for activation.

By incorporating these elements, the "Create Business Account" page ensures a straightforward and informative process for users to establish and activate their business profiles. This fosters a vibrant and diverse business community within the application.



(a) Create business account



(b) Create business account

Figure 7.21: Create business account

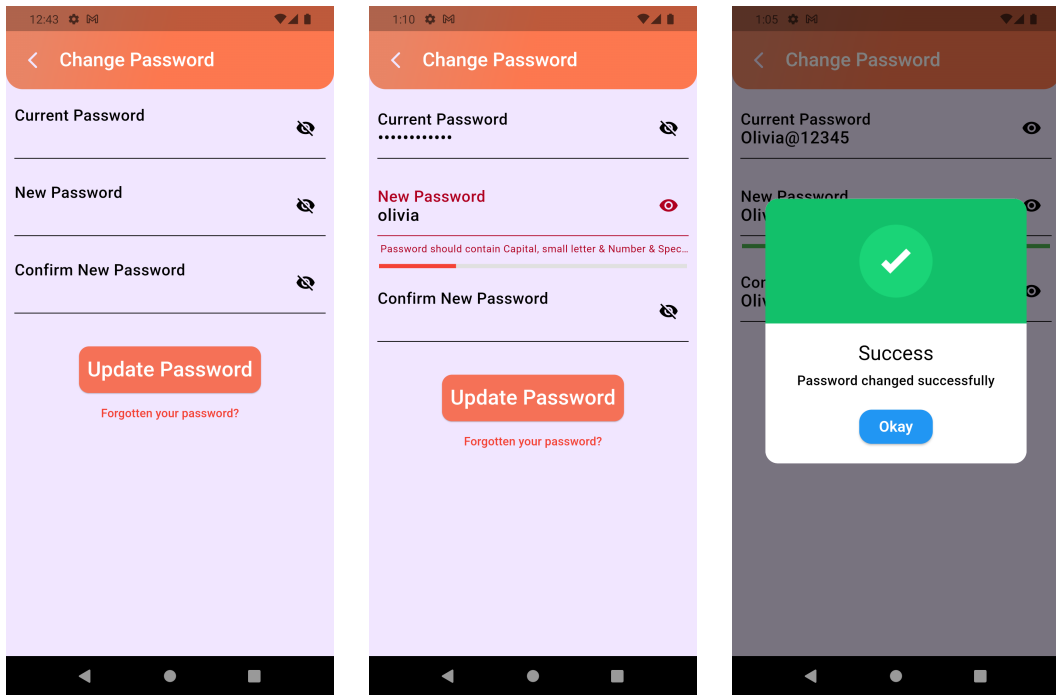
- **Change Password**

The "Change Password" screen provides a secure and user-friendly platform for users to easily update their account credentials. This interface streamlines the password change process and incorporates the following elements:

1. **Current Password:** Users are required to enter their current password as a prerequisite for initiating the password change process. This step enhances account security.
2. **New Password:** The "Change Password" screen features a designated field where users can input their desired new password, thereby further enhancing account security.
3. **Confirm New Password:** To ensure accuracy and prevent errors, users are prompted to re-enter the new password.
4. **Submit Button:** A clearly labeled "Submit" button is prominently displayed, allowing users to effortlessly commence the password change process.

Upon successfully changing their password, users will receive a pop-up alert confirming the update. This alert serves to reassure the user that the password change was completed successfully. Conversely, if an error occurs, a pop-up window will inform the user that an issue has arisen during the password change process and provide guidance on how to resolve it.

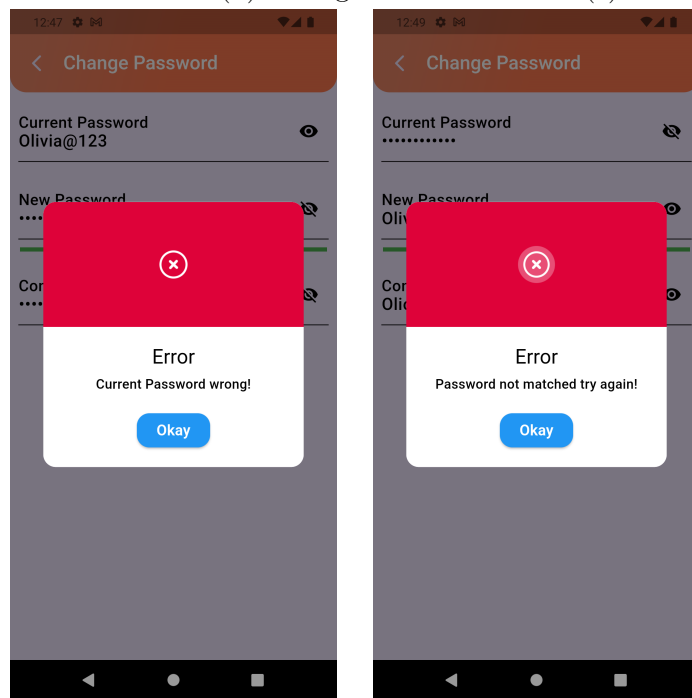
This design ensures a secure and user-friendly experience, while effectively communicating successful password changes and addressing any encountered errors throughout the process.



(a) Change Password

(b) Change Password

(c) Change Password



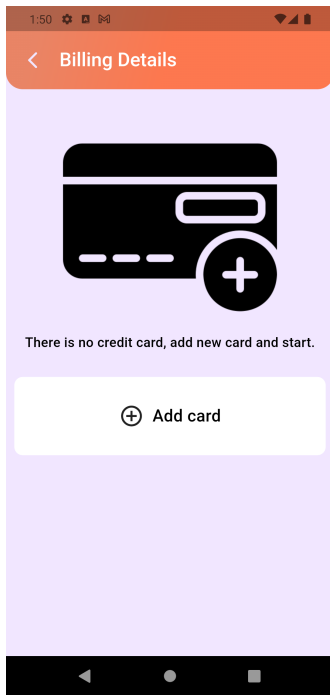
(d) Password validation 1

(e) Change validation 2

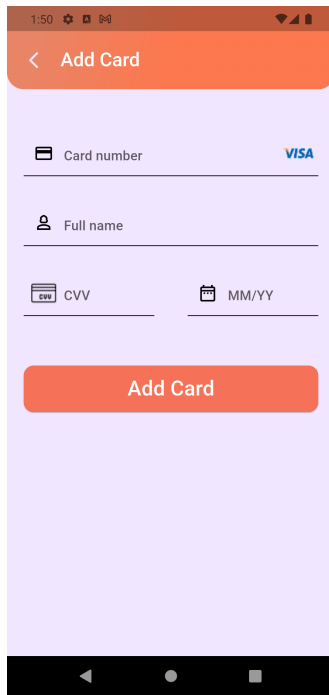
Figure 7.22: Change Password

### 7.2.2.5 Cards Screen

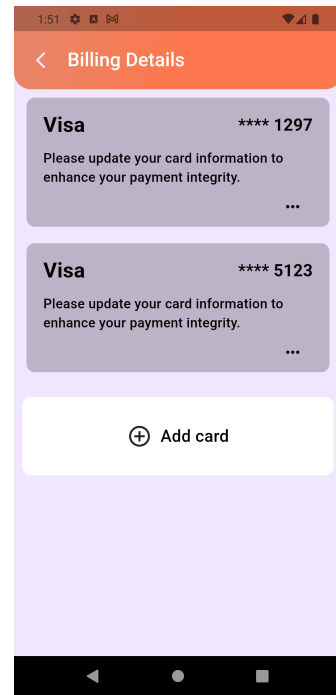
On the "Card Management" screen, users are provided with a convenient way to manage their credit card information. If required, users can add a new credit card, delete unwanted cards, or update the details of an existing card. This user-friendly interface enables effortless control over managing payment methods.



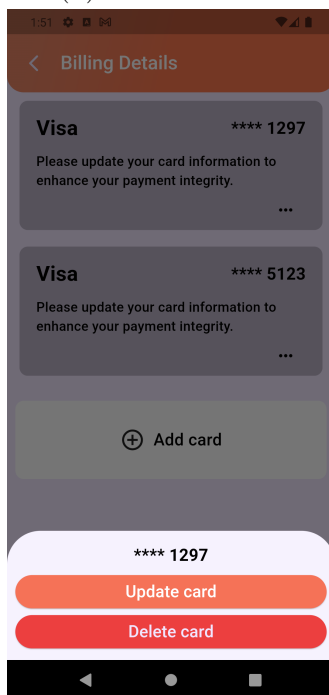
(a) Card Screen



(b) Add new card



(c) Card Screen

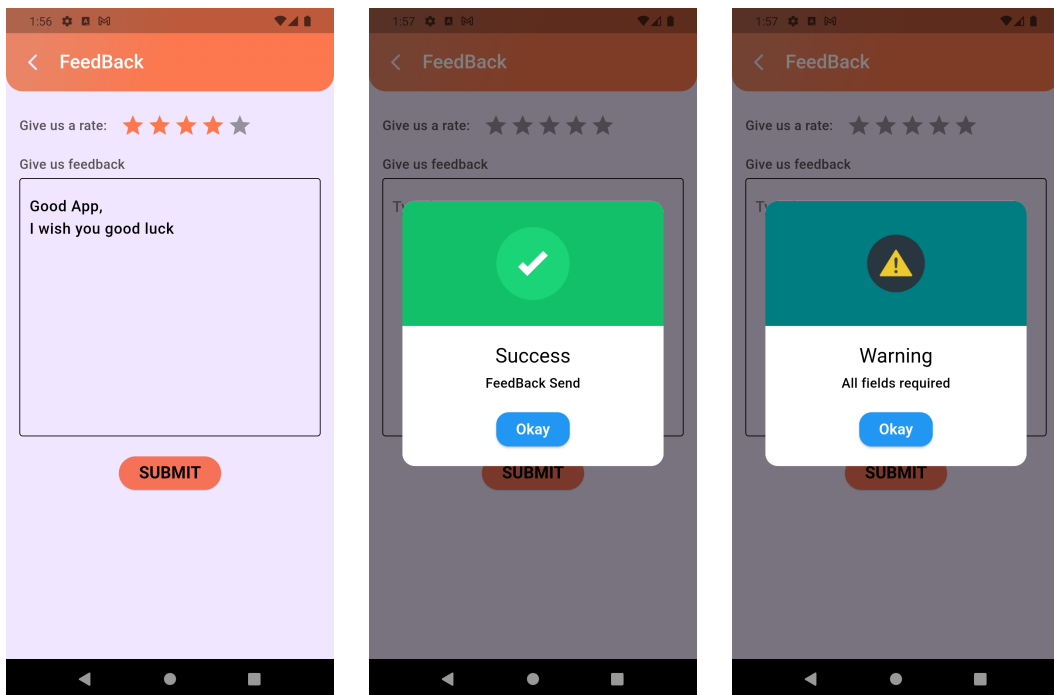


(d) Edit Card

Figure 7.23: Card Screen

### 7.2.2.6 Feedback Screen

Users can provide valuable input regarding the application through the "Feedback" screen by directly sending their feedback to the administrator. They have the choice to include a written comment along with their feedback, enabling them to express specific details or thoughts related to their rating. This interactive functionality not only allows users to share their overall experience, but also provides a platform for more in-depth insights and suggestions. The incorporation of a numerical rating and a written comment ensures that users can offer comprehensive feedback, thereby contributing to the continuous improvement and enhancement of the application.



(a) Feedback screen 1

(b) Feedback screen 2

(c) Feedback screen 3

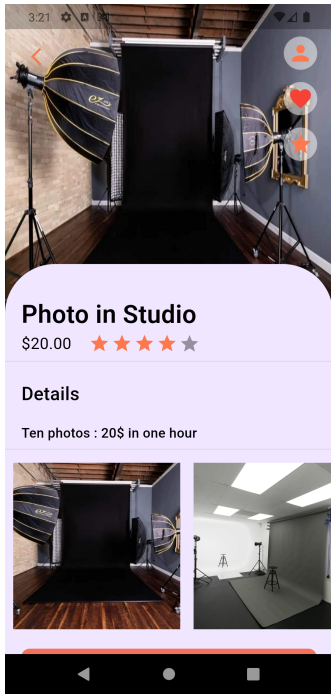
Figure 7.24: Feedback screen

### 7.2.2.7 Book event Screen

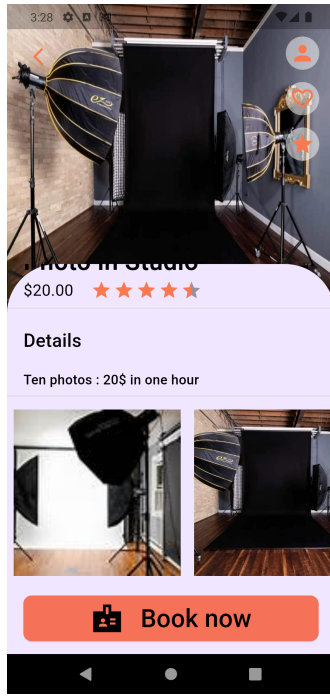
The "Book Event" screen serves as a centralized platform for users to interact with and make decisions about a specific event. This dynamic interface offers several key features:

1. Event Details and offers:
  - Users can access detailed information and Events related to the event, gaining insights into various aspects.
  - The Events on the "Book Event" screen provide comprehensive information, including:
    - Images: Pictures that give users a visual glimpse of the event, conveying its ambiance and visual appeal.
    - Rating: An aggregate assessment derived from user reviews, giving a qualitative measure of overall satisfaction.
    - Price Details:
      - Standard Price: Transparently displayed information about the baseline cost of the event.
      - Offer Price (if applicable): Showcasing any ongoing offer along with the discounted price and validity date. This gives users an incentive to take advantage of special pricing.
2. Favorite Addition:
  - A user-friendly option that allows users to add the event to their favorites for easy retrieval and future reference.
3. Business Account Profile:
  - Seamless transition to the business account profile associated with the event, enabling users to explore additional services or details provided by the business.
4. Reviews and Comments:
  - Users can contribute to community engagement by sharing their experiences and thoughts about the event through reviews and comments, fostering an interactive platform.
5. Event Booking:
  - The central functionality of the "Book Event" screen, which allows users to initiate the event booking process, streamlining their journey from exploration to active participation.

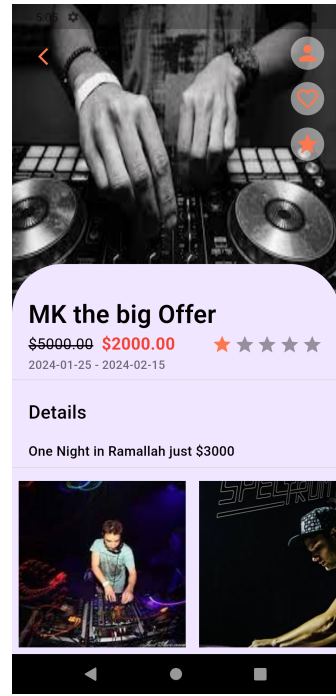
This cohesive screen design not only centralizes key information about the event but also offers diverse functionality, enabling users to engage with the content, provide feedback, and smoothly progress towards booking the event. This ensures a comprehensive and user-centric experience.



(a) Event screen



(b) Event screen



(c) Event with offer

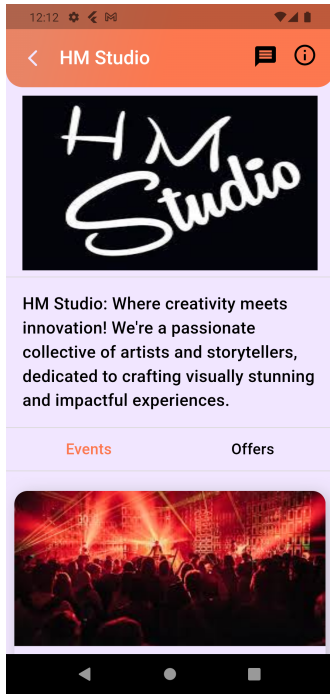
Figure 7.25: Event screen

- Profile

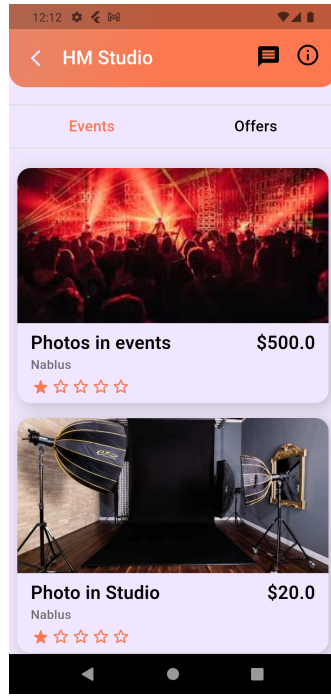
The "Business Account Profile" screen serves as a central hub that provides users with valuable insights into the company behind the Events. This user-centric interface includes the following key components:

1. Main Image: A visually captivating image represents the business account and immediately leaves a visual impression on users.
2. Bio Description: A detailed bio section offers a narrative about the business account, including essential information, a description, and key details that convey the essence of the company's offerings and values.
3. Conversation Button: An intuitive button enables direct communication between users and the business account. Users can initiate a conversation, facilitating seamless interaction and inquiries.
4. Report Button: To ensure user satisfaction and platform integrity, a dedicated "Report" button allows users to communicate concerns or issues related to the business profile, fostering a secure and trustworthy user experience.
5. Two Main Screens:
  - Events Screen: Users can explore the "Events" screen, which features a compilation of Events from the business account. This section provides a chronological view of the company's offerings and updates.
  - Offers Screen: The "Offers" screen showcases a collection of exclusive offers from the business account, allowing users to access special promotions and discounts.

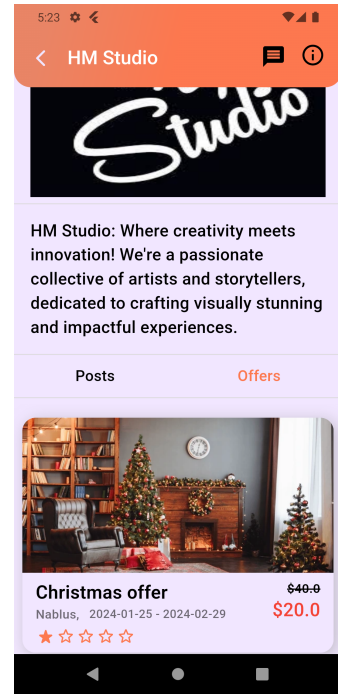
This well-designed profile screen seamlessly integrates visual elements, informative content, and interactive features, creating a user-friendly and engaging experience. Users can effortlessly navigate through the various sections to gain a comprehensive understanding of the business account and its offerings.



(a) Event Profile screen



(b) Event Profile Events



(c) Event profile offer

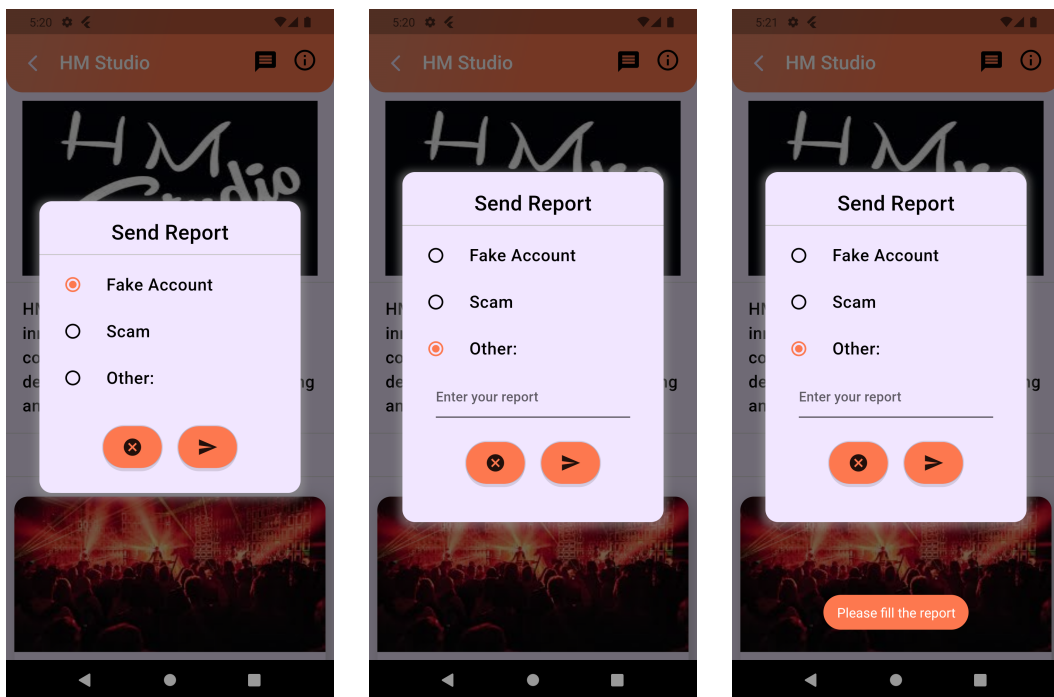
Figure 7.26: Event Profile

### – Send Report

The "Send Report" button on the Business Account Profile screen has been created to prioritize user safety and maintain platform integrity. Clicking the button triggers a user-friendly and thoughtful popup screen. This screen enables users to report any concerns or issues they may have regarding the business account. It offers predefined report categories, such as "Fake Account" or "Scams," making it easy for users to classify the nature of their report.

Additionally, there is a free-text field available for users to express their specific concerns or issues in their own words. This feature allows users to provide detailed information about any suspicious or inappropriate behavior they may have encountered.

Once the report is complete, users have the option to submit their feedback directly to the application admin.



(a) Event Report 1

(b) Event Report 2

(c) Event Report 3

Figure 7.27: Event Report

– **Open chat**

When a user clicks on the chat button on the Business Profile screen, it initiates a direct communication channel between the user and the business provider. This feature facilitates real-time interaction, enabling users to ask questions and receive prompt responses from the business. The chat functionality enhances communication between users and businesses, offering a convenient and efficient means for users to connect with the business provider for inquiries or discussions about their products or services.



**No messages found,  
Send a message**

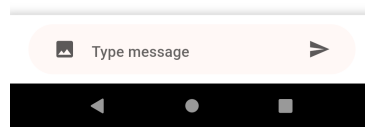
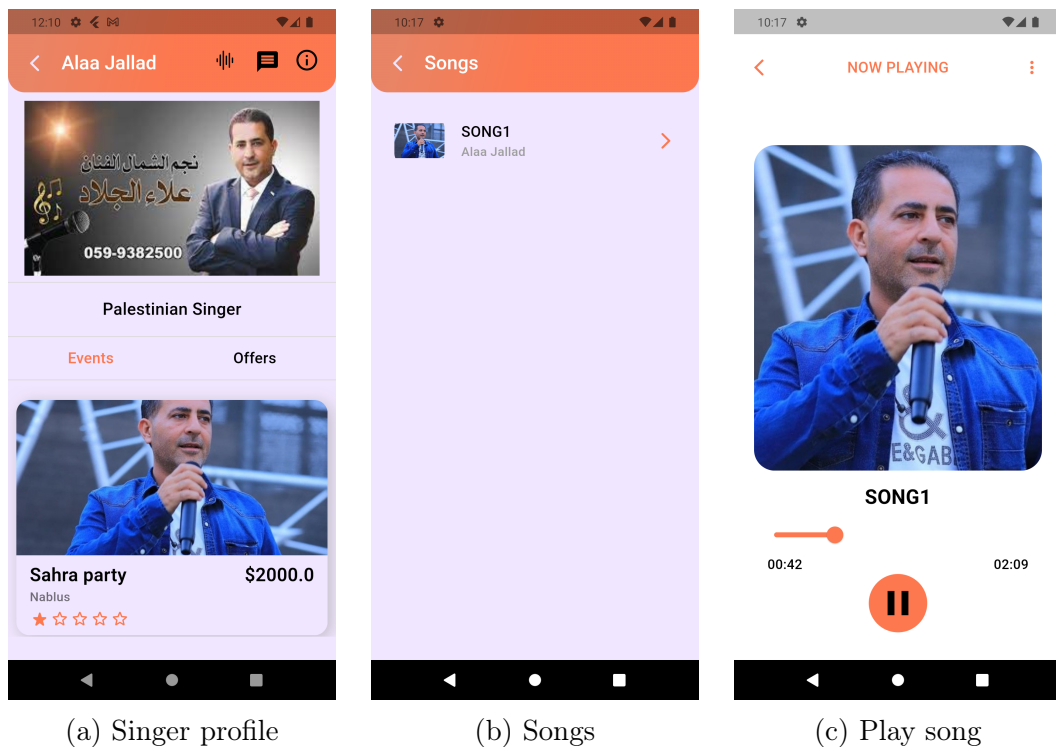


Figure 7.28: Open chat with Business

- Singer Profile

The Singer Profile screen possesses a distinct functionality that sets it apart from other business account profiles. Users have the opportunity to indulge in a musical experience by directly listening to the singer's uploaded songs within the application. This immersive feature not only enables users to explore the singer's music collection but also promotes a deeper connection between the artist and the audience. Alongside this exceptional capability, the Singer Profile screen also encompasses common elements found in other business account profiles. It provides comprehensive details about the singer, including their biography, and facilitates direct communication through a chat button. This customized approach offers users a specialized platform to truly appreciate the singer's talent and seamlessly engage with their music.



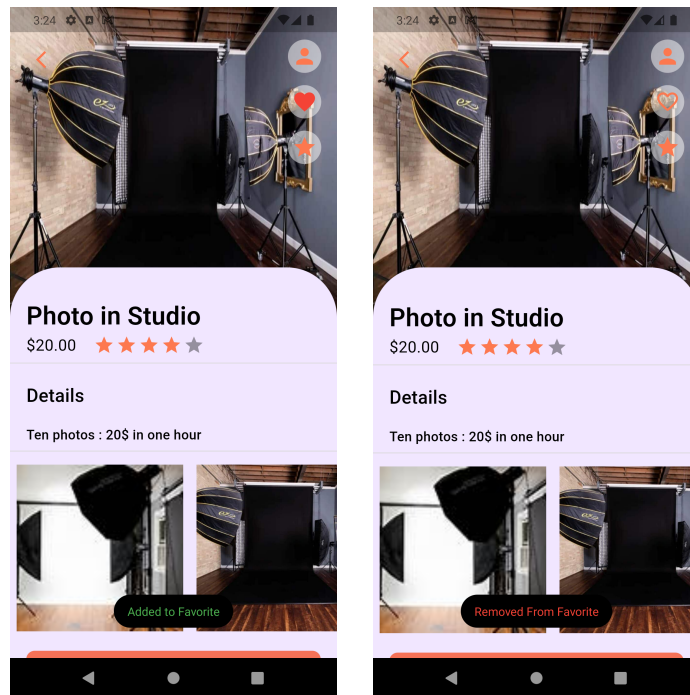
(a) Singer profile

(b) Songs

(c) Play song

Figure 7.29: Singer Profile view

- Favorite  
On the "Post" screen, users have the option to add a post to their list of favorite Events. This functionality enhances user engagement, allowing them to curate a personalized collection of Events that resonate with their preferences. By adding a post to their favorites, users can easily revisit and access content that holds special significance or interest to them. This simple and intuitive feature contributes to a more customized and enjoyable user experience, ensuring that users can effortlessly keep track of and revisit their most cherished Events within the application.

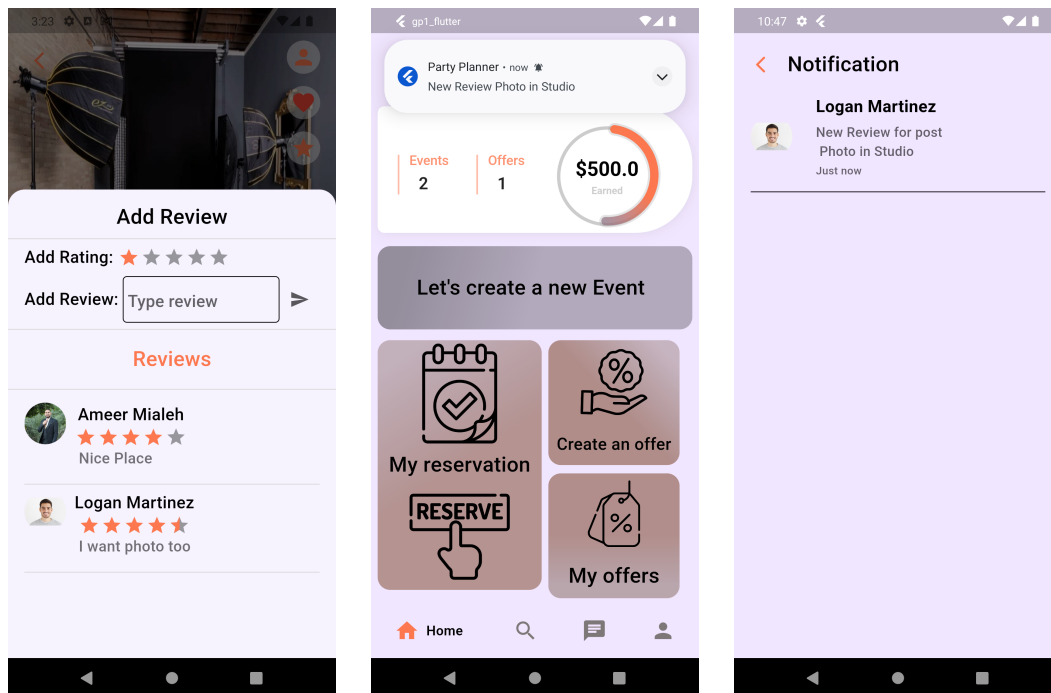


(a) Add to Favorite

(b) Delete from Favorite

Figure 7.30: Favorite

- **Review**  
 On the "Post" screen, users are provided with the opportunity to actively engage with the content by sharing their feedback through reviews and ratings. This interactive feature allows users to directly express their thoughts and experiences regarding the specific post. Users can write a review to convey their opinions or insights, and assign a numerical rating to indicate their overall satisfaction with the post. This dynamic element enhances the user-generated content and fosters community engagement, while also providing valuable information for other users who may have an interest in the post.



(a) Add Review

(b) Business notification

(c) Notification screen

Figure 7.31: Add Review to event

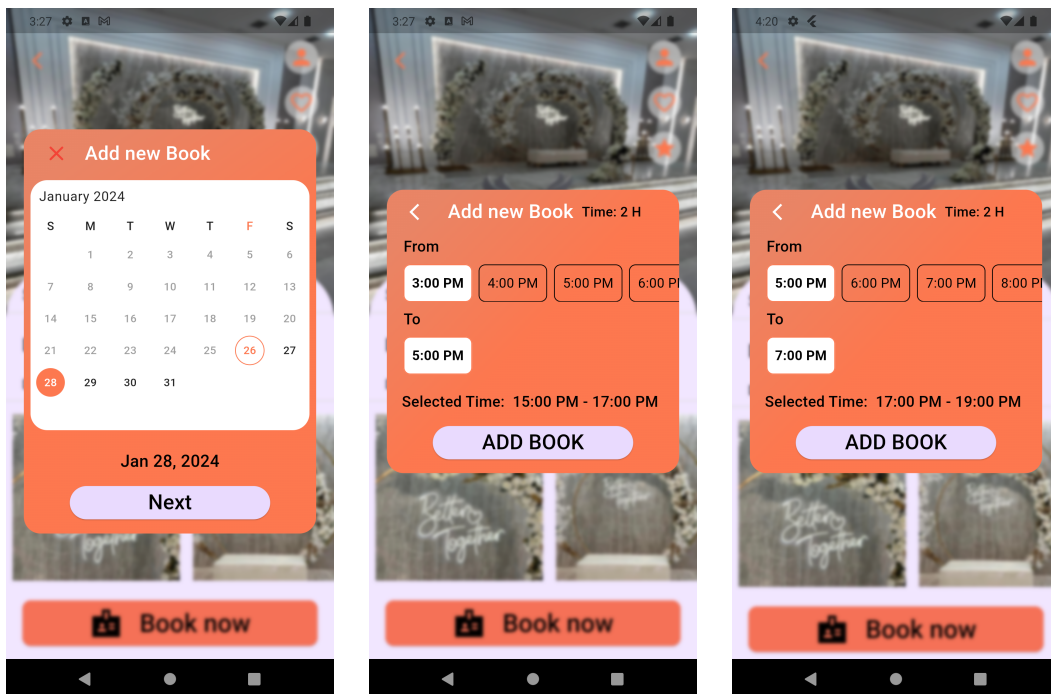
- Book now

Within the "the Post" screen, users have the ability to efficiently plan their events by booking appointments that are linked to the showcased content. This convenient feature includes an intuitive calendar system:

- Users are provided with a visual calendar where they can easily select the desired day for hosting their event. The calendar also indicates whether the selected day has available appointment slots or if it is already booked.

- Once a specific day is chosen, users are presented with a list of available time slots for appointments. This ensures that users can select a time that suits their preferences and schedule.

By incorporating this booking functionality, the application streamlines the appointment process. Users can effortlessly plan their events based on the availability displayed in the calendar, improving the overall user experience and making appointment scheduling within the application more convenient.



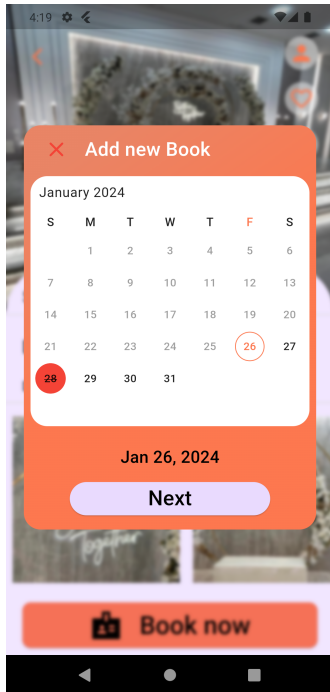
(a) Book now screen 1

(b) Book now screen 2

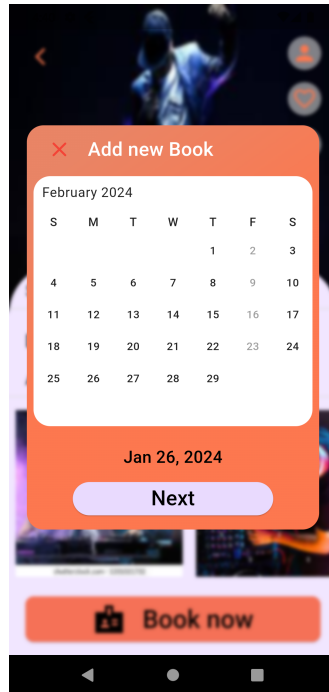
(c) Book now screen 3

Figure 7.32: Book now Screen

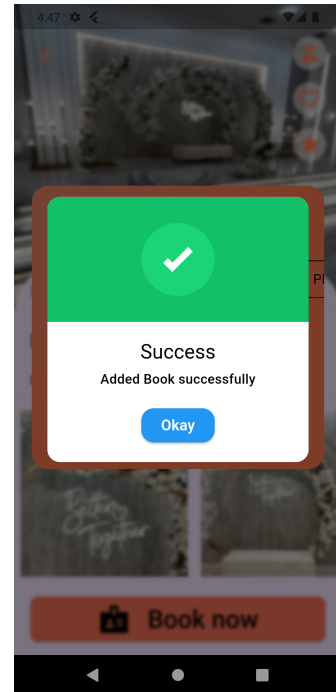
In the calendar section for booking appointments, users can easily ascertain whether a particular day, such as the 28th, is fully booked. If the day is marked as full, it signifies that no further appointments can be scheduled on that date. This conspicuous visual indicator empowers users to promptly evaluate the availability of specific days, thereby streamlining the process of selecting suitable dates for their events.



(a) Full Reservation



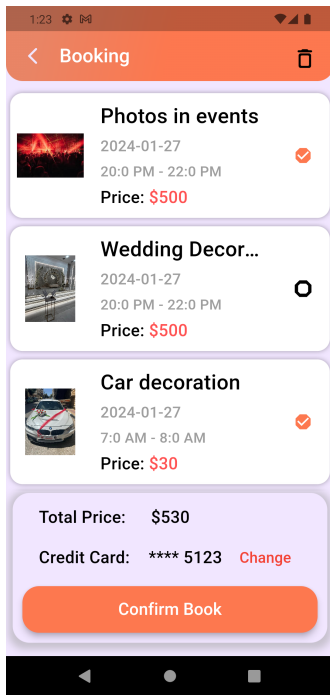
(b) Holidays



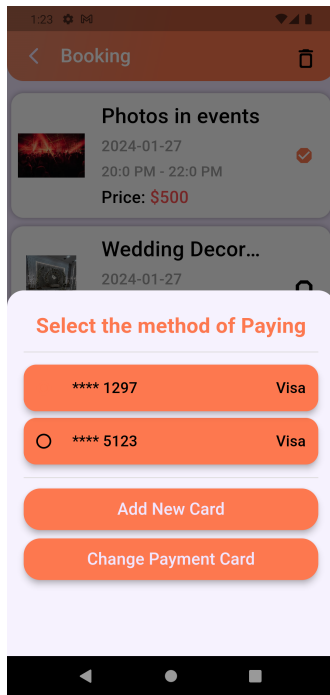
(c) Book Done

### **7.2.2.8 Order Screen**

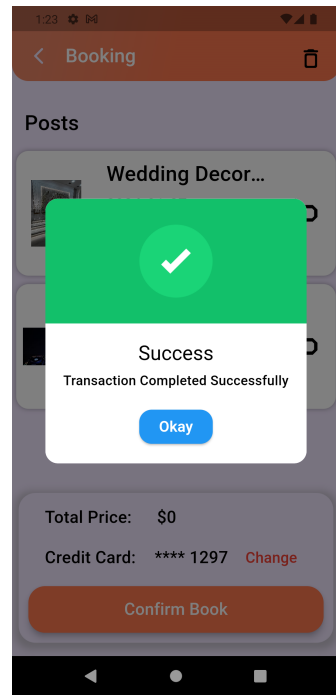
The "Order" screen provides users with a clear and centralized view of all the Events they have added to their bookings. This user-friendly interface allows them to conveniently select which Events they want to send to the business account for booking confirmation. Additionally, users can easily review the total price associated with the selected Events. To ensure seamless transactions, users have the option to add a credit card to their account for purchasing. If they have multiple credit cards, they can easily switch between them, providing flexibility in managing their payment methods. This feature ensures convenient and secure payment processing, allowing users to customize their payment preferences.



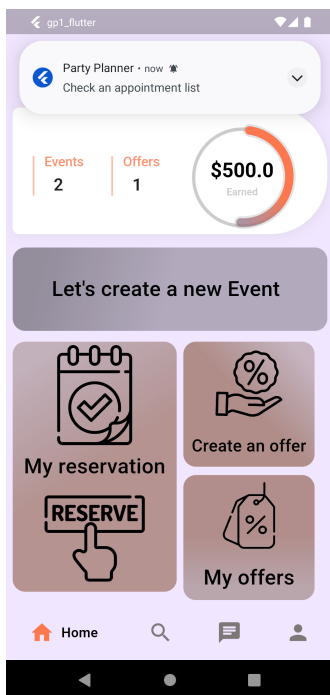
(a) Booking screen



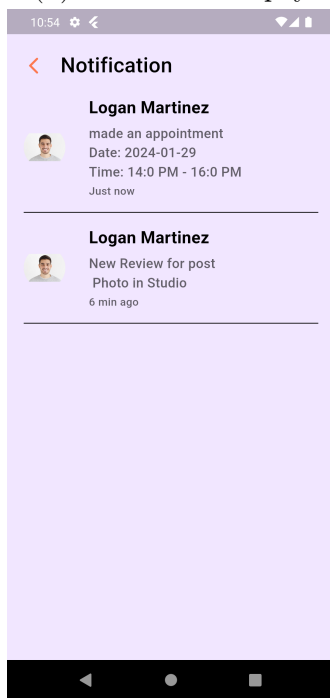
(b) Select card to pay



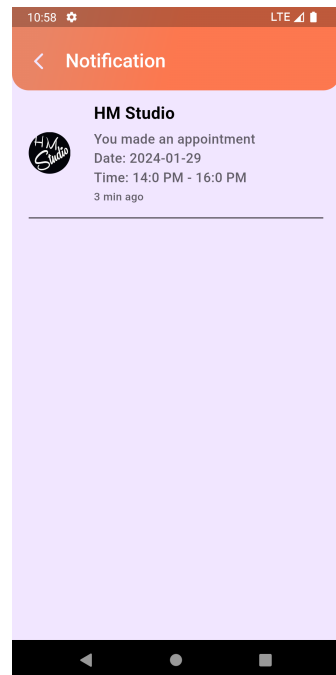
(c) booking done



(d) Business Notification



(e) Business Notification screen



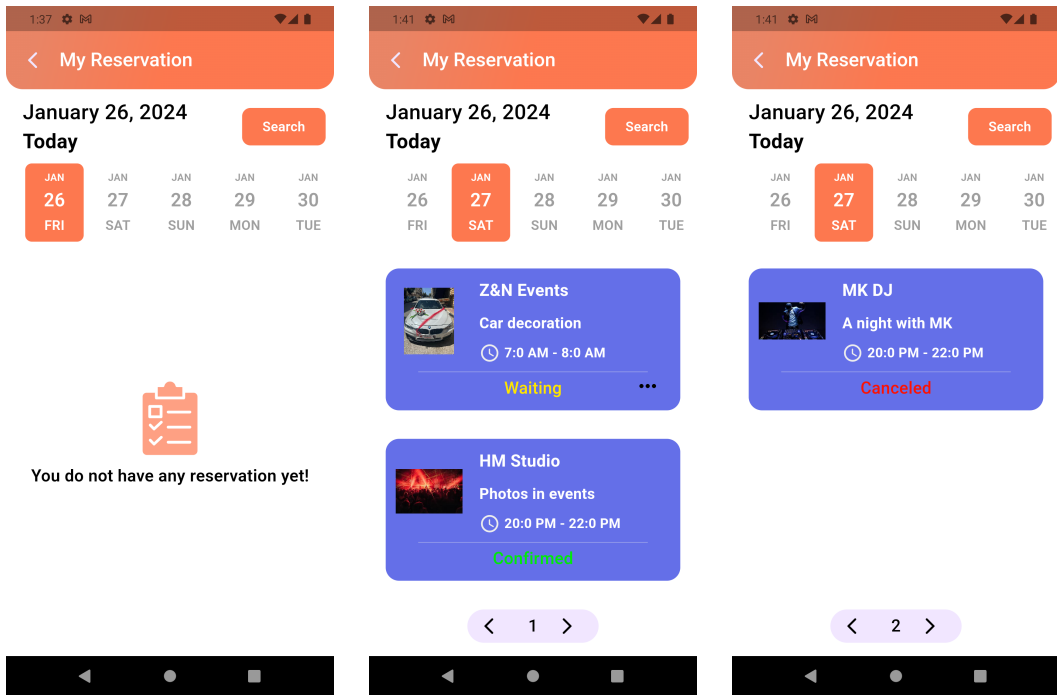
(f) User Notification screen

Figure 7.34: Booking Screen

### **7.2.2.9 Reservation Screen**

The "Reservation" screen showcases a user-friendly calendar that presents a visual representation of the days on which users have made appointments. This intuitive interface also prominently indicates the acceptance status of the appointments by the business provider.

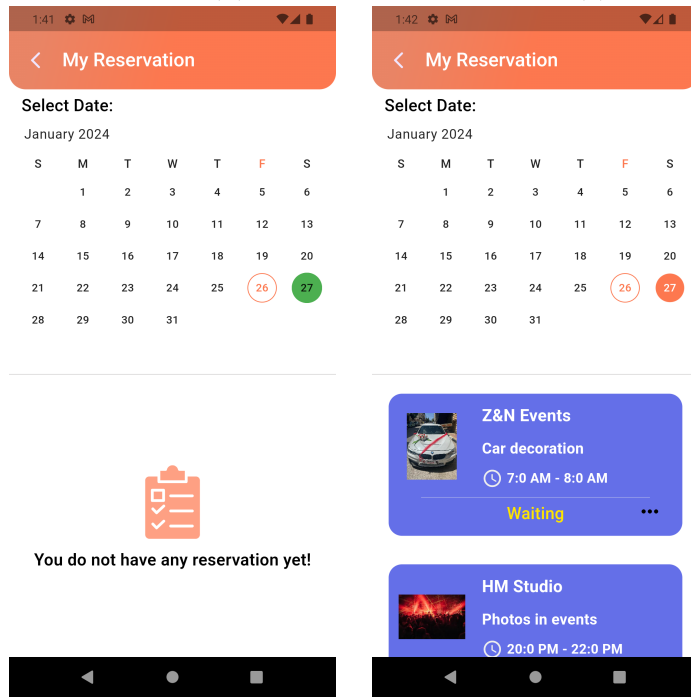
The visual calendar enhances the user experience by facilitating easy identification and monitoring of scheduled appointments. The transparent indication of acceptance status ensures that users are well-informed about the progress of their appointments with business providers. This streamlined presentation enhances user convenience and offers a comprehensive overview of upcoming reservations.



(a) Reservation Screen

(b) Reservation Screen

(c) Reservation Screen



(d) Reservation Search

(e) Reservation Search

Figure 7.35: Reservation Screen

### 7.2.2.10 Favorite Screen

The "Favorites" screen enables users to conveniently view and access the events they have added to their list of favorites. This section offers a centralized space for users to keep track of and revisit events that align with their preferences and interests. By enhancing user convenience, the "Favorites" screen ensures that users can effortlessly locate and engage with their preferred events within the application. This user-friendly feature enables users to curate a collection of events that hold special significance to them, thereby contributing to a more personalized and enjoyable experience.

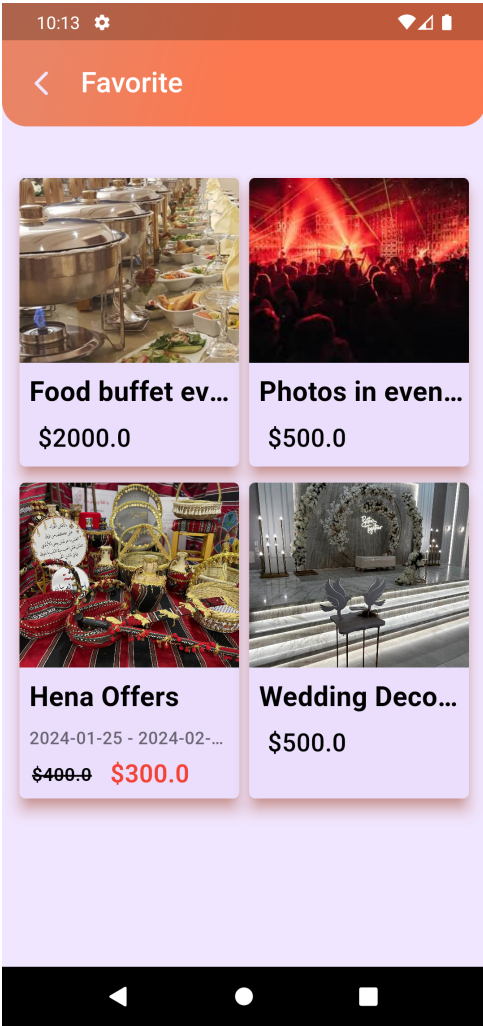


Figure 7.36: Favorite Screen

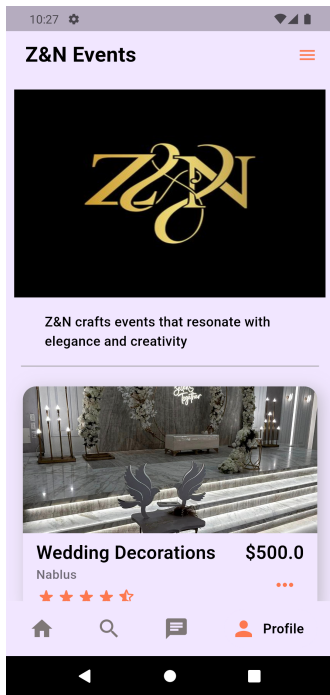
## 7.2.3 Business Screens and feature

### 7.2.3.1 Profile Screen

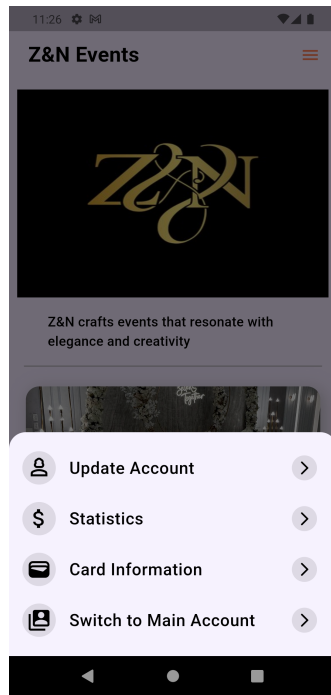
The Business Profile screen serves as a platform for service providers to showcase their profile details. It includes a button window with several options:

- Service providers can easily update their account details to ensure that their profile information is accurate and up to date.
- The Statistics option provides valuable insights into the performance and metrics associated with the service provider's account and shared events. This feature helps track and evaluate the impact of their offerings.
- By accessing the Card Information option in the menu, service providers can manage their payment details. This allows for easy updates or changes to their payment methods.
- The Switch to Main Account option enables service providers to transition between different account types, offering flexibility and convenience.

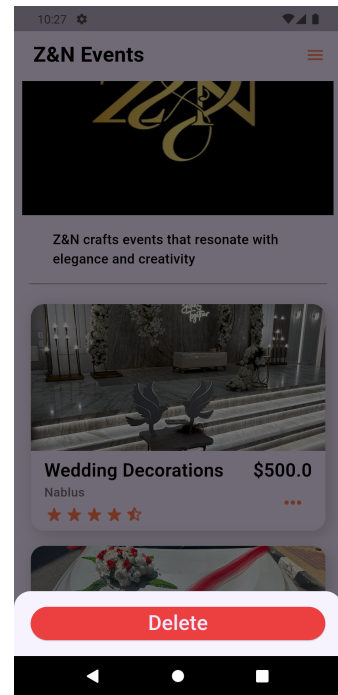
Additionally, the Business Profile screen prominently displays the events that the service provider has shared. To have better control, service providers can use a popup window to access a menu that allows them to delete specific events as needed. These features ensure that service providers can efficiently manage their profile, monitor performance, and control the events they share. Overall, this contributes to a comprehensive and user-friendly experience within the application.



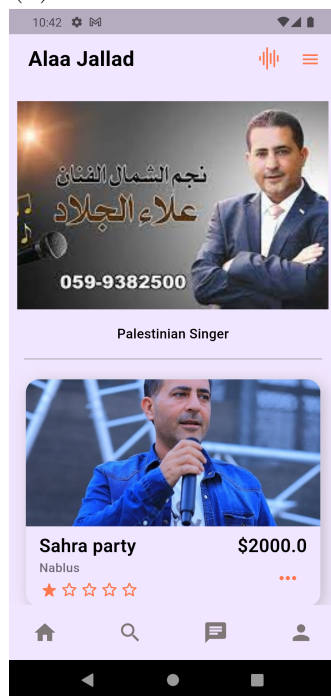
(a) Profile business screen



(b) Profile business menu



(c) Delete event



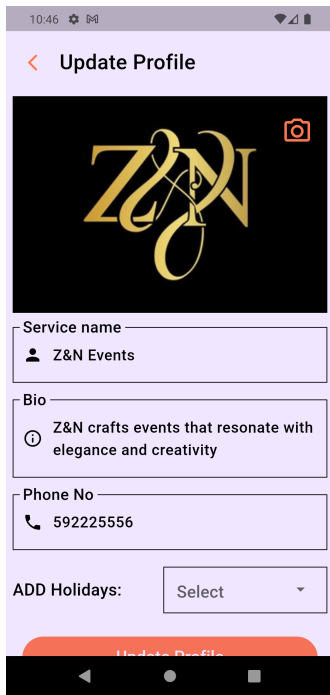
(d) Singer Profile Screen

Figure 7.37: Profile Business account Screen

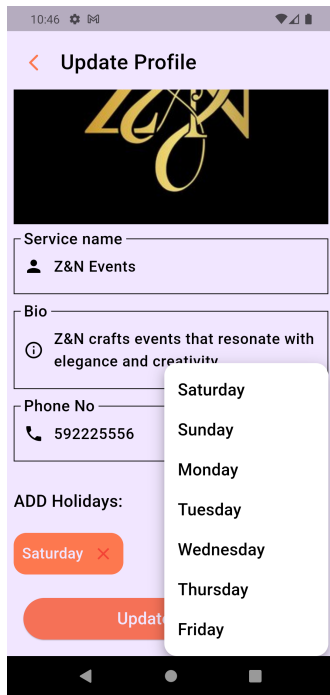
### 7.2.3.2 Update Profile Screen

The "Update Profile" screen offers service providers a convenient way to modify and enhance their profile information. Within this user-friendly interface, service providers can update various aspects of their profile:

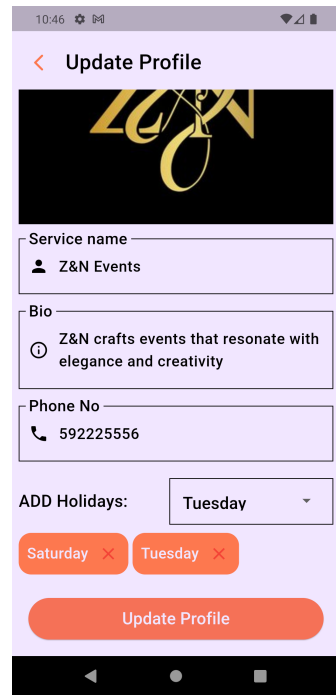
- Profile picture: Service providers can easily update their profile picture to present an up-to-date and professional representation of their business.
- Service Name: The Service Name field allows providers to revise or refine the name associated with their services, ensuring it aligns with any changes or re-branding efforts.
- Bio section: The Bio section provides service providers with the opportunity to modify the descriptive information about their services, conveying updated or additional details.
- Phone Number: The Phone Number field enables service providers to update their contact information, ensuring that users can reach them using the most current and preferred contact details.
- Holiday schedule: Service providers can manage and update their holiday schedule, providing users with accurate information regarding days when their services may not be available.



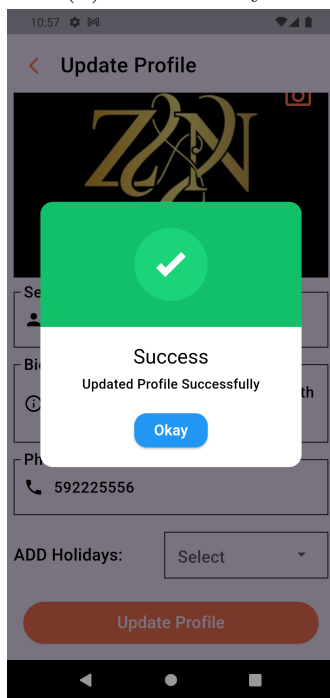
(a) Update profile screen



(b) Add holidays



(c) After adding holidays



(d) Update account Done

Figure 7.38: Update Business profile

### 7.2.3.3 Songs feature

In the Singer Profile, singers have the opportunity to enhance their profile by adding songs. This can be effortlessly done on the "My Songs" screen, which serves as a dedicated space for singers to manage and showcase their musical repertoire. Singers can easily add, edit, or remove songs, allowing them to curate a collection that truly reflects their unique talent and style. This feature not only enhances the Singer Profile, but also offers users a convenient platform to discover and enjoy the singer's music in a cohesive and organized manner.

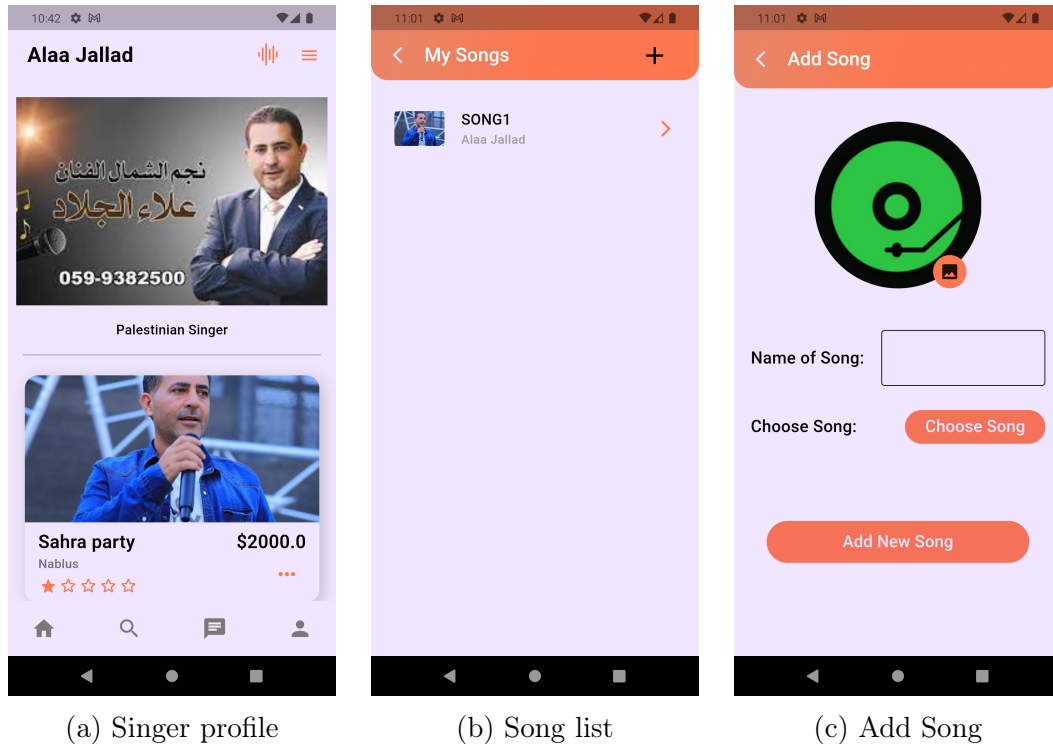
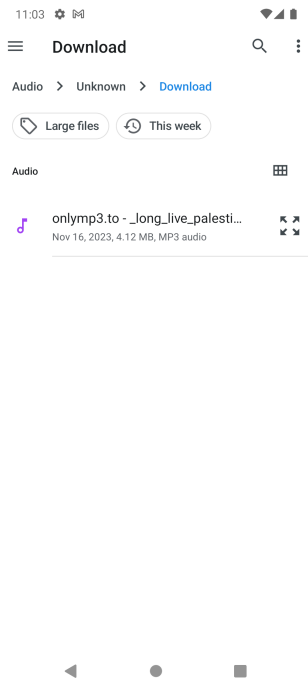
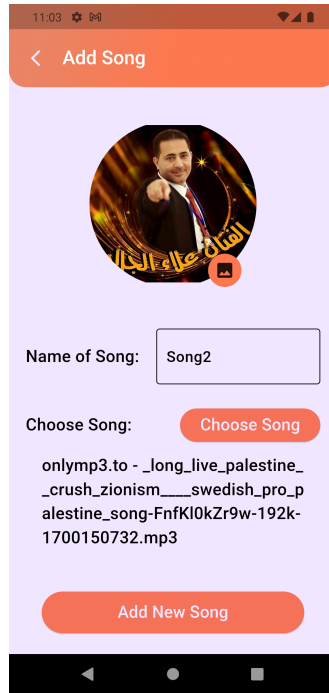


Figure 7.39: Song Screen

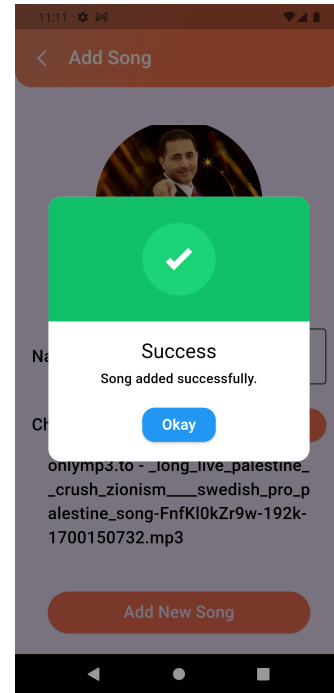
On the Singer Profile's "My Songs" screen, singers can easily upload and manage their songs. This user-friendly interface enables singers to effortlessly add new songs and assign each track a distinct name.



(a) Choose song from phone

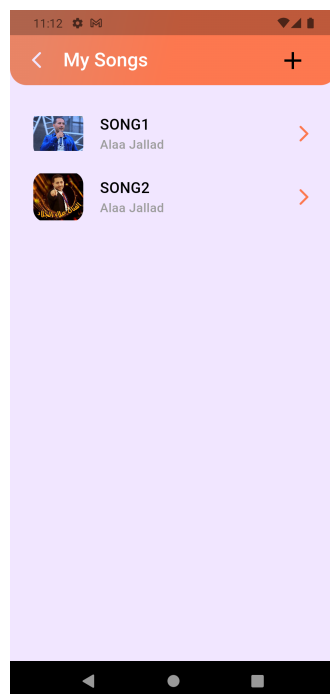


(b) Add song details



(c) Song added successfully

Within the Singer Profile, singers have the opportunity to showcase their entire collection of uploaded songs on the "My Songs" screen. This user-friendly interface not only enables singers to list all of their uploaded songs, but also offers them the capability to listen to their own creations.



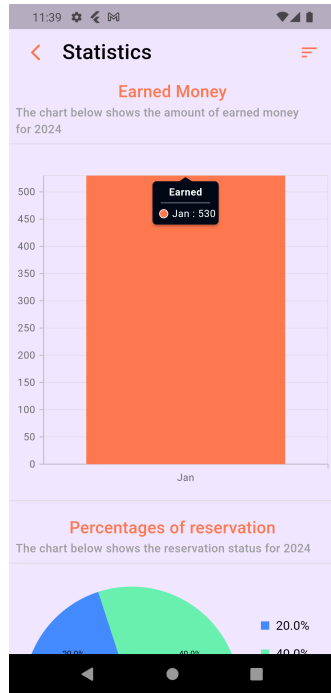
(a) After adding song



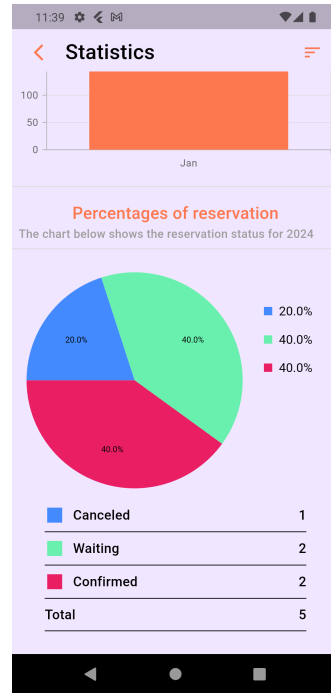
(b) Play the song

#### **7.2.3.4 Statistics Screen**

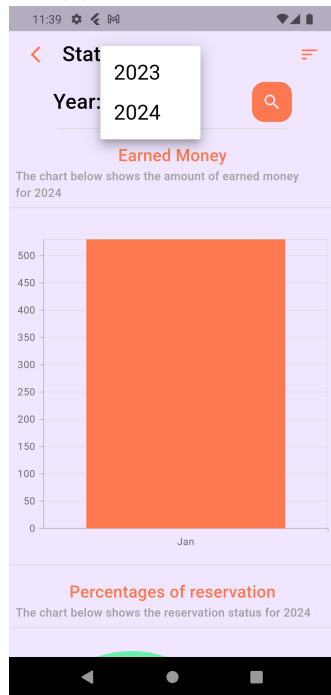
The "Statistics" screen provides users, especially service providers, with important information about their account's performance. This includes: - Users can easily see their monthly profit, giving them a quick summary of their financial performance each month. - The screen allows users to access statistics from the previous year, giving them a complete overview of their historical performance and trends. - Users can access detailed statistics about their reservations, such as the number of canceled, waiting, confirmed, and total reservations. This breakdown gives a quick overview of the account's reservation activity and helps users manage their bookings effectively.



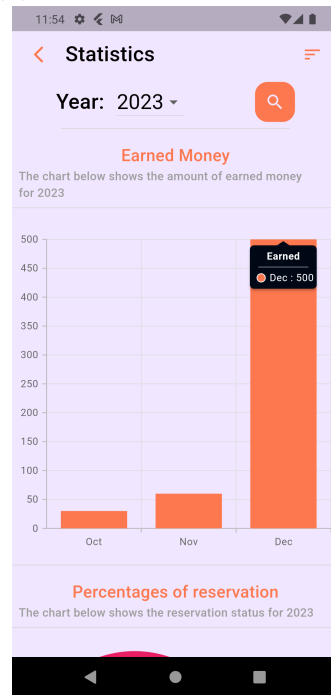
(a) Earned Money



(b) Percentage of reservation



(c) Filter by year



(d) Statistic with filter

Figure 7.42: Statistic Business Screen

### 7.2.3.5 Home Screen

The homepage is designed to give users a clear understanding of their account activities and serves as a central hub for event and offer management. It includes the following features:

- Important metrics: Users can easily access key statistics, such as the number of events hosted, active offers, and total earnings. This summary provides a quick overview of their account performance.
- User-friendly buttons: The homepage is equipped with intuitive buttons that allow for seamless action:
- Create New Event: By clicking this button, users can start the process of creating a new event.
- View Reservations: This button provides access to reservations, enabling users to manage their bookings and gain insights into event attendance.
- Create Offer: Users can utilize this button to effortlessly create new offers, attracting customers with special promotions.
- Access Offers: With a dedicated button, users can conveniently navigate to view and manage their existing offers.

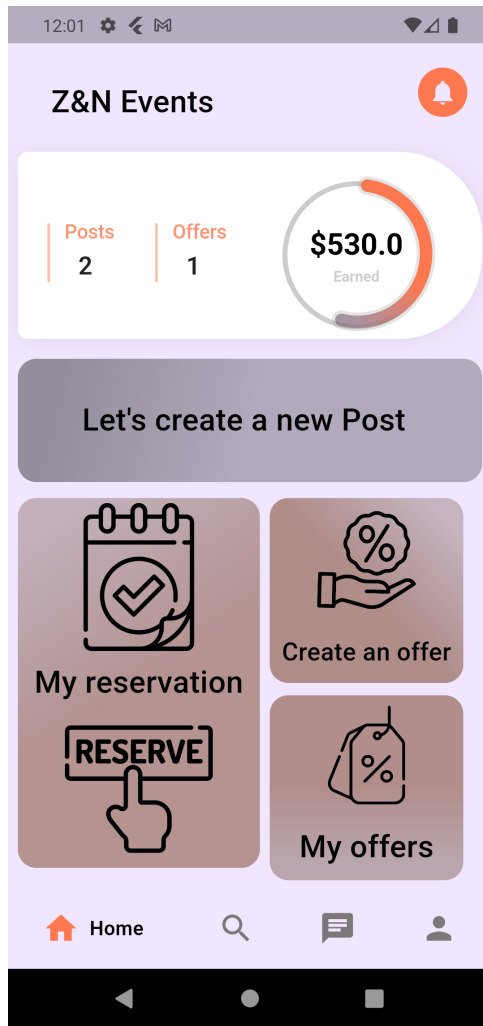


Figure 7.43: Business Home Screen

### 7.2.3.6 Create event feature

On the "Create New Event" page, users have the ability to easily create a new event by supplying vital information:

- Users can enhance the appeal of their event by including a captivating image that captures the essence of the occasion.
- The event title enables users to effectively communicate the theme or nature of the event, resulting in an enticing headline.
- Users can provide comprehensive details about the event, including essential information, highlights, and any additional context that facilitates better understanding for potential participants.
- The designated price field allows users to establish the cost of attending the event, fostering transparent communication with prospective attendees.
- Users can specify the event's scheduled time, ensuring clarity for interested participants regarding the event's timing.

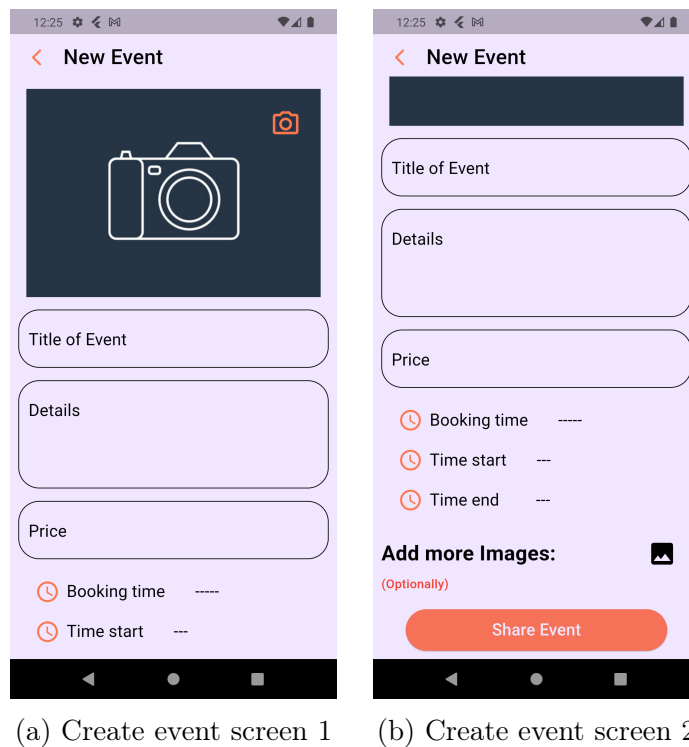
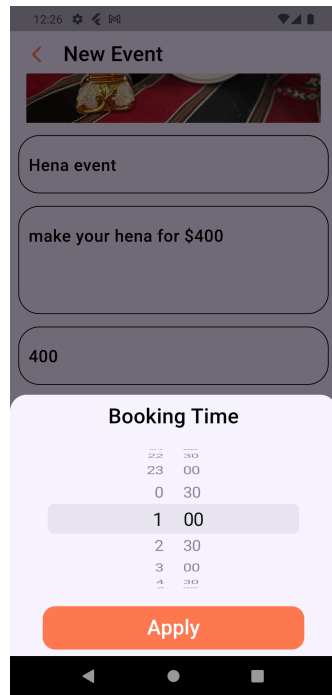
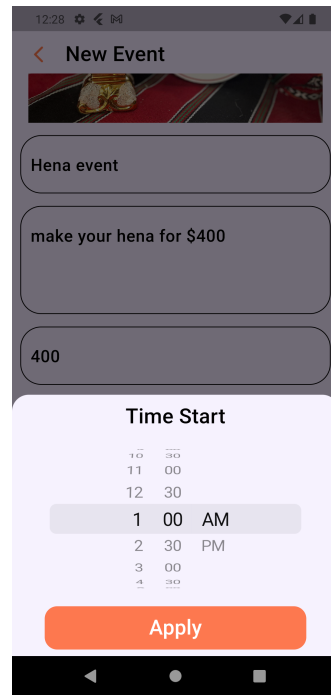


Figure 7.44: Create event screen

On the "Create New Event" page, users are provided with a user-friendly and flexible interface to schedule their events. They have the option to specify the overall event duration and also set individual appointment times. This feature empowers users to tailor their events according to their unique schedules and preferences. With this enhanced functionality, users can effortlessly set both the start and end times for the entire event, and also define specific appointment times within that duration.

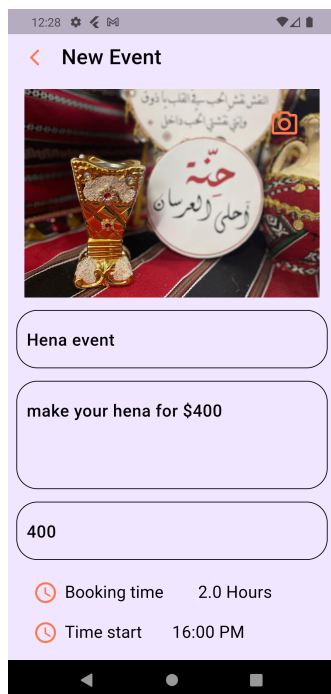


(a) Select booking time

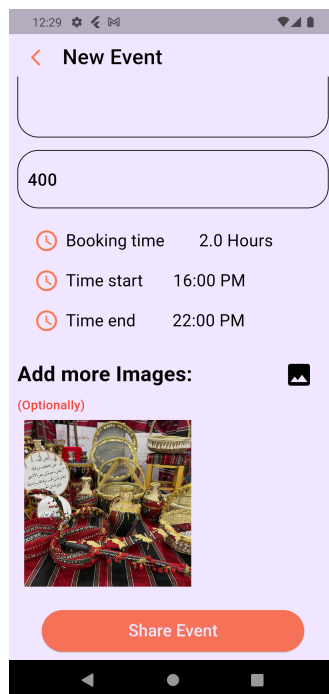


(b) Select Start,end Time

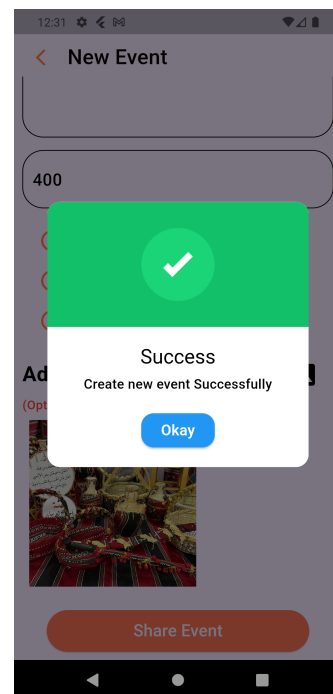
On the "Create New Event" page, users have the option to enhance the visual appeal of their event by adding multiple photos. This feature allows users to upload and display a collection of images that capture different aspects of the event, resulting in a more comprehensive and captivating representation.



(a) Event Details



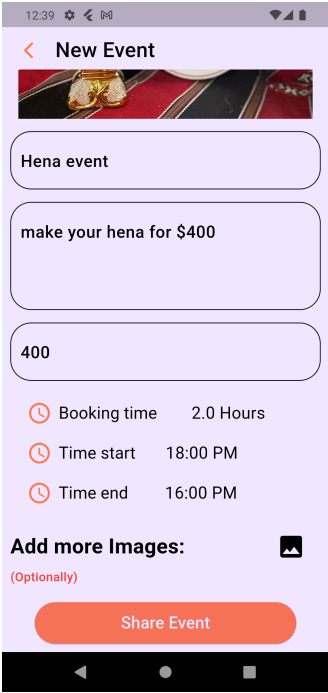
(b) Add Images



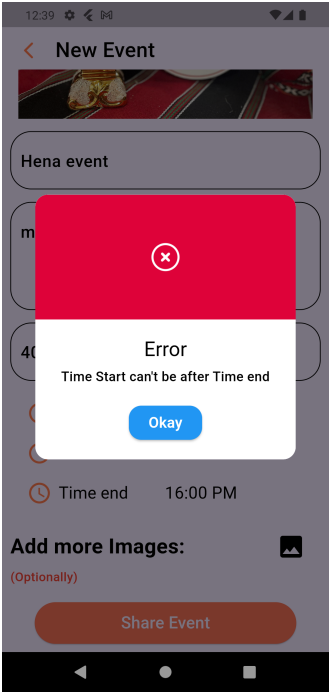
(c) Create event Done

The application has been designed to effectively manage errors and ensure data integrity. If a user tries to set an end time for an event that comes before the start time, the system

will quickly detect this inconsistency and display an error notification. This proactive error handling mechanism helps users promptly correct and align their event details, preventing the submission of contradictory or inaccurate information.



(a) End time before Start

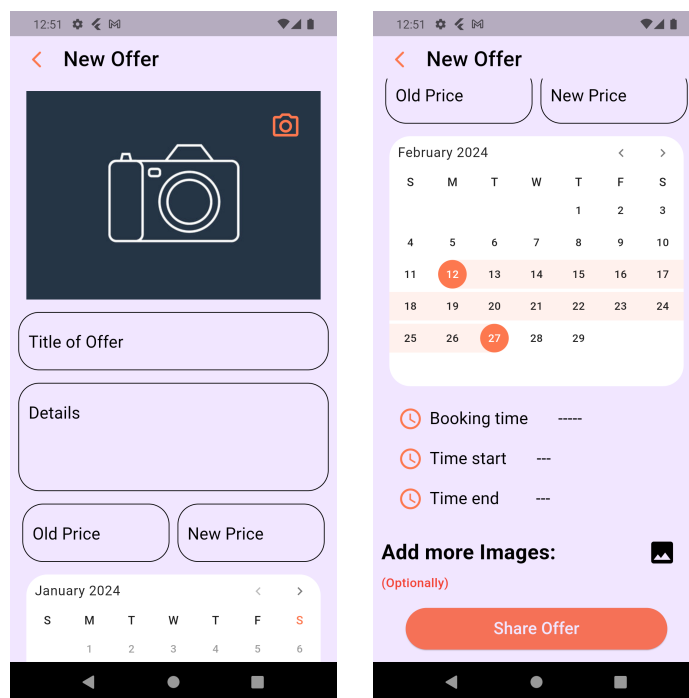


(b) Time validation

### 7.2.3.7 Create offer feature

On the "Create Offer" screen, users have the ability to generate attractive offers by providing various details:

- Users can enhance the visual appeal of their offer by adding a captivating image that effectively represents the promotion.
- The offer title serves as a succinct headline, capturing the essence of the promotion and grabbing attention.
- Users can provide comprehensive details about the offer, including specific terms, conditions, or any additional information that enhances understanding.
- Users can specify the original price (Old Price) and the discounted or promotional price (New Price) for the offer, ensuring transparency for potential customers.
- A calendar feature allows users to select the days when the offer is valid, offering flexibility in scheduling the promotion.
- Users can set the duration during which customers can book the offer, ensuring a structured and manageable booking window.
- Users can define the start and end times of the offer, allowing for precise control over when the promotion is active.
- Users can include additional images related to the offer, showcasing various aspects or features to attract potential customers.



(a) Create offer screen 1 (b) Create offer screen 2

Figure 7.48: Create offer screen

### 7.2.3.8 Offer Screen

The "Offer" screen provides users with a convenient way to effectively manage their promotions. Users can access a comprehensive list of all the offers they have created and effortlessly monitor and review them through a user-friendly interface. Furthermore, the screen offers the functionality to delete offers, granting users the ability to eliminate promotions that are no longer pertinent or active.

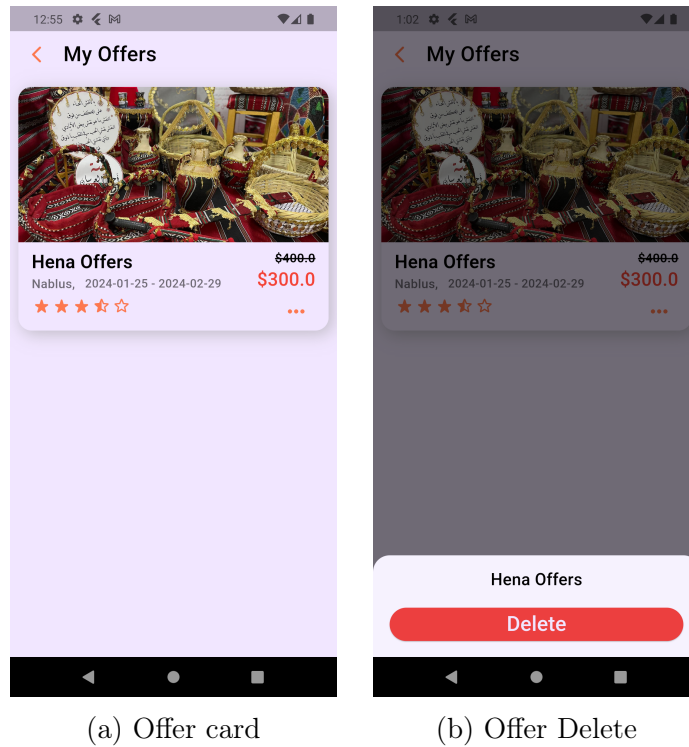
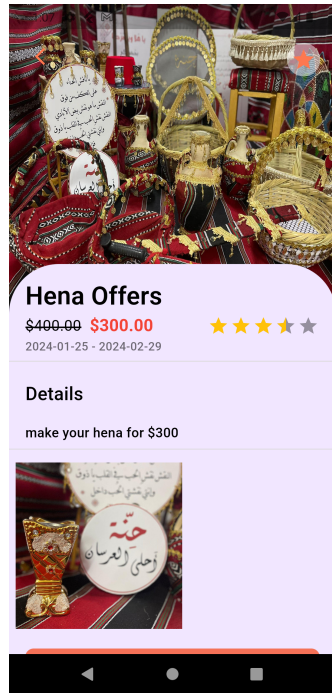


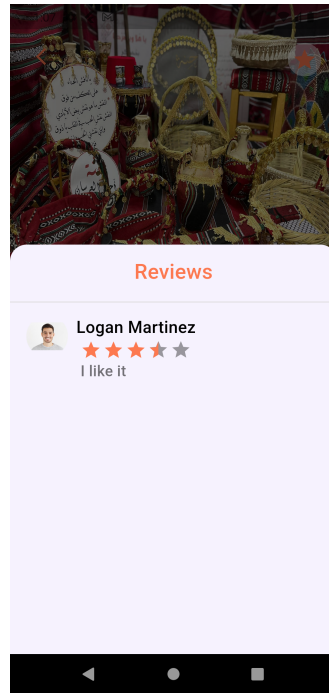
Figure 7.49: Offer screen

The "Event Offer" screen offers users a comprehensive interface to access detailed information about a specific event, including any associated offers. Here are the key features of this interface:

- Users can easily access essential event information, such as the event title, date, time, and any additional details provided by the event organizer.
- The screen prominently displays any relevant offers linked to the event. This enables users to explore special promotions or discounts that they can take advantage of when attending the event.
- Users also have the opportunity to read reviews from other attendees who have already participated in the event. These reviews provide valuable insights and different perspectives, assisting potential attendees in making well-informed decisions.



(a) Event, Offer screen



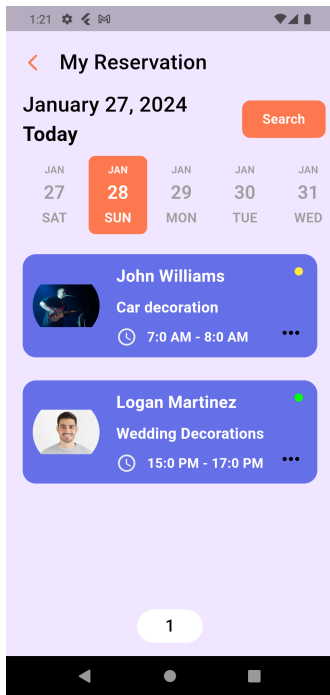
(b) Event, Offer review

Figure 7.50: Offer, Event View

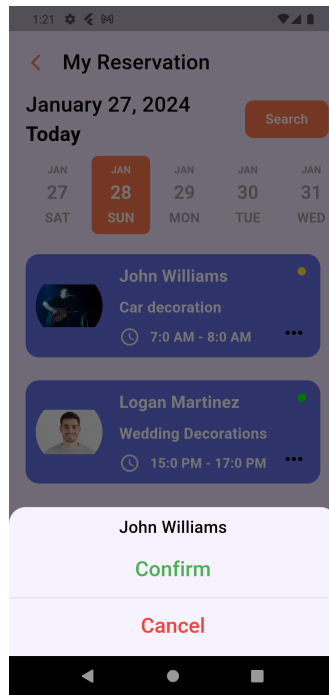
### **7.2.3.9 Reservation Screen**

The "Reservation" screen offers service providers a centralized platform for efficiently managing appointments. This user-friendly interface provides the following features:

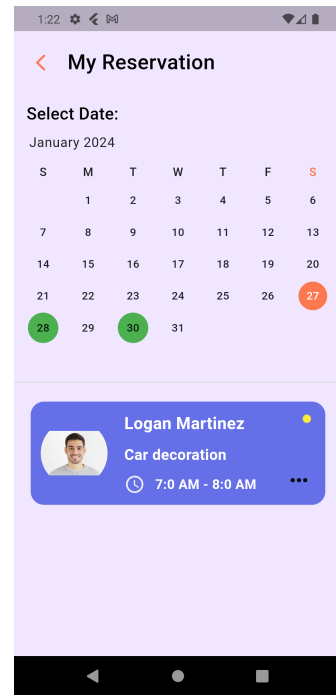
- Service providers have convenient access to a comprehensive list of reservations, which includes detailed information about upcoming appointments and each booking.
- The screen enables service providers to promptly take actions on each reservation, such as confirming or cancelling appointments based on their availability and preferences.
- A visual calendar provides a clear overview of days with appointments, aiding service providers in quickly identifying busy periods and effectively managing their schedule.



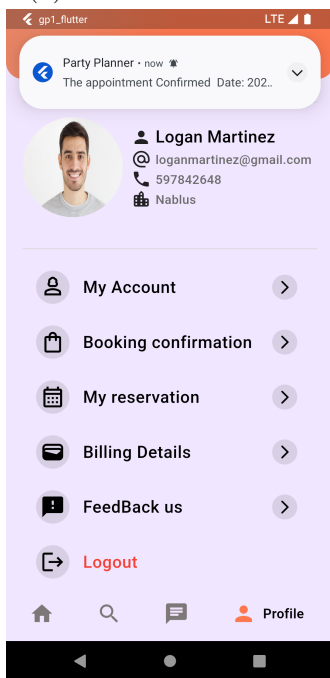
(a) Reservation Screen



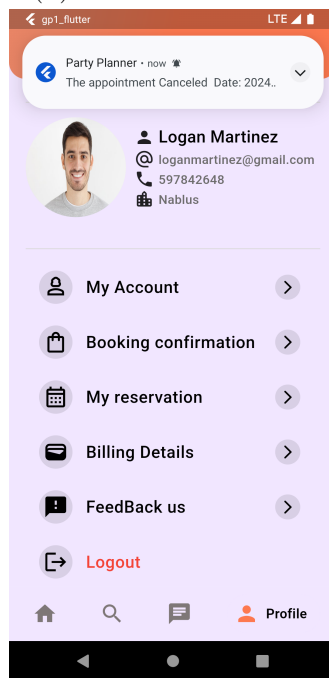
(b) Reservation status



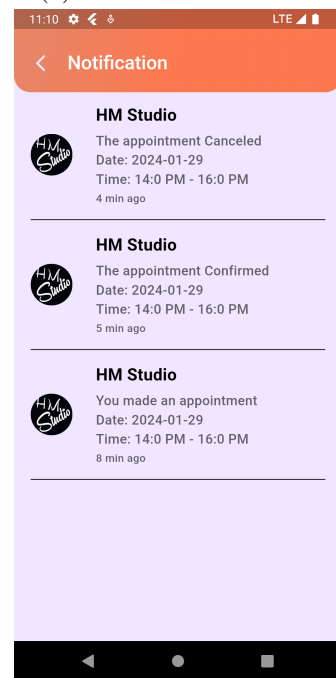
(c) Reservation search



(d) Confirmed book notifi



(e) Canceled book notifi



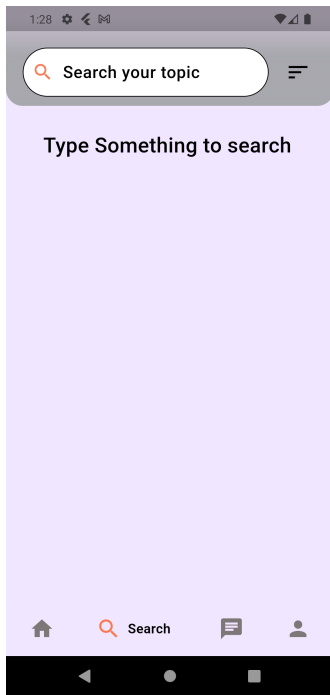
(f) Notification screen

Figure 7.51: Reservation Business Screen

## 7.2.4 Search feature

On the "Search" screen, users can easily explore events and accounts using a user-friendly search function. This interface boasts the following features:

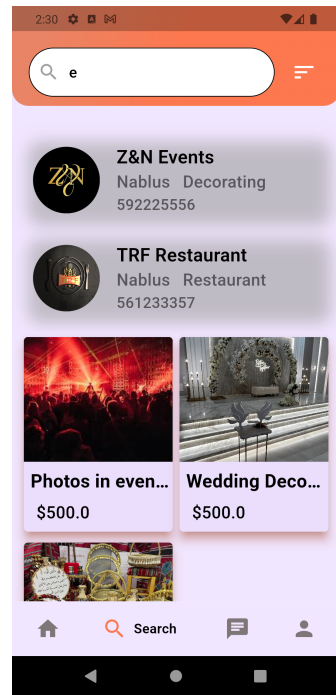
- Users can search for specific items of interest by using keywords, such as event or account names. This feature greatly enhances the user experience by facilitating quick and accurate searches.
- The screen incorporates versatile filters that empower users to refine their searches based on various criteria:
  - Account Type: Users have the ability to filter results by different account types, including events, accounts, and offers.
  - Event Type: Users can specify the particular type of event they desire, such as Singer, DJ, Studio, Decorating, Chair Rental, Stage Rental, Restaurant, or Organizer.
  - City Filter: Users are given the option to narrow down their results to specific cities, ensuring the utmost relevance to their location or personal preferences.
- The search results are presented in a clear and organized list. This list impeccably showcases all the pertinent accounts, events, or offers that align with the user's search criteria.



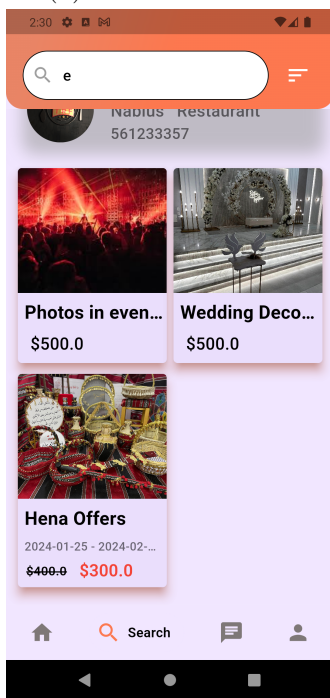
(a) Business Search



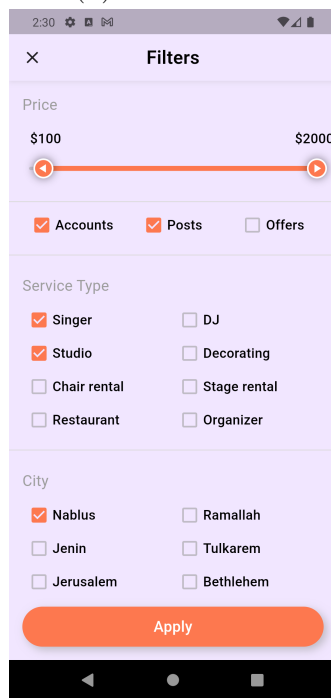
(b) User Search



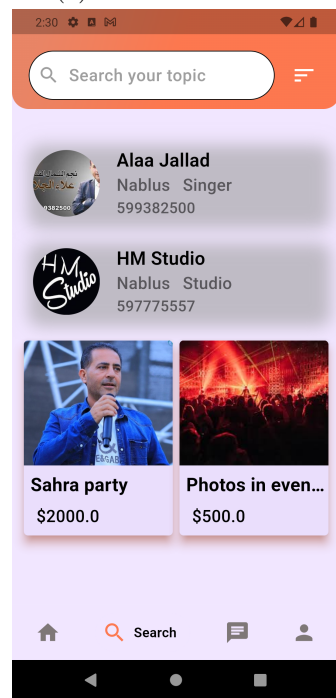
(c) Search Screen 1



(d) Search Screen 2



(e) Filter Search



(f) Filter Search Result

Figure 7.52: Search Screen

## 7.2.5 Chat feature

### 7.2.5.1 Chat Screen

- Open new chat

The "Chat" screen allows users to initiate conversations with any business account on the application. This feature enhances communication between users and businesses by providing a direct channel for inquiries, discussions, and coordination. With its user-friendly chat interface, users can effortlessly interact with businesses, ask questions, make inquiries, or discuss specific details about events, services, or offers.

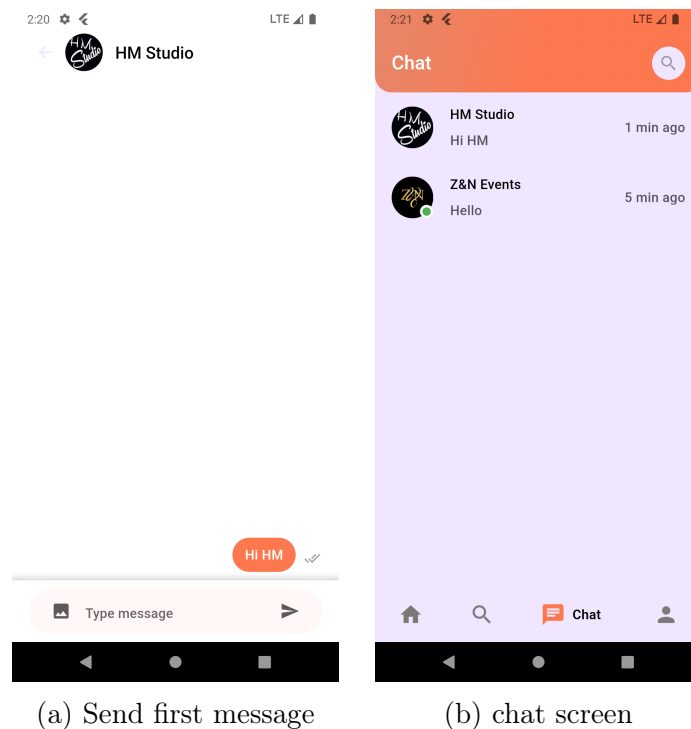
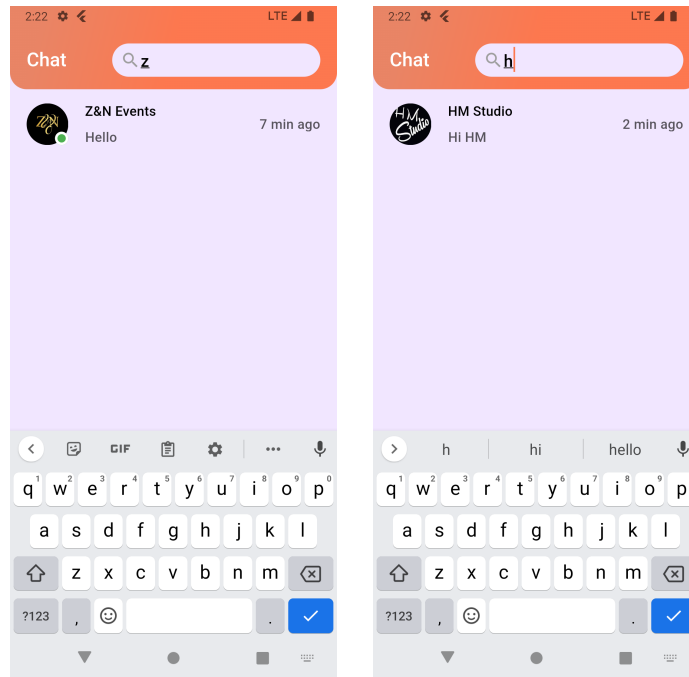


Figure 7.53: User chat screen

- Search on chat On the "Chat" screen, users have the option to utilize the search feature in order to locate specific business accounts. This functionality enhances their communication experience by allowing them to easily find and connect with desired businesses. As a result, initiating conversations and engaging in meaningful discussions becomes more convenient for users.



(a) Search on chat 1

(b) Search on chat 2

Figure 7.54: Search on chat

- Inside chat screen

On the "Chat" screen, users can engage in dynamic and interactive conversations with businesses through a range of features: - Users have the option to send text messages to businesses, facilitating effective communication and enabling them to inquire about events, services, or offers. - The interface allows users to seamlessly share photos within the chat, offering visual context, conveying event details, or exchanging pertinent images. - The "Chat" screen incorporates read receipts, granting users visibility on whether businesses have viewed their messages. This feature enhances transparency in communication and delivers real-time feedback to users regarding the status of their messages.

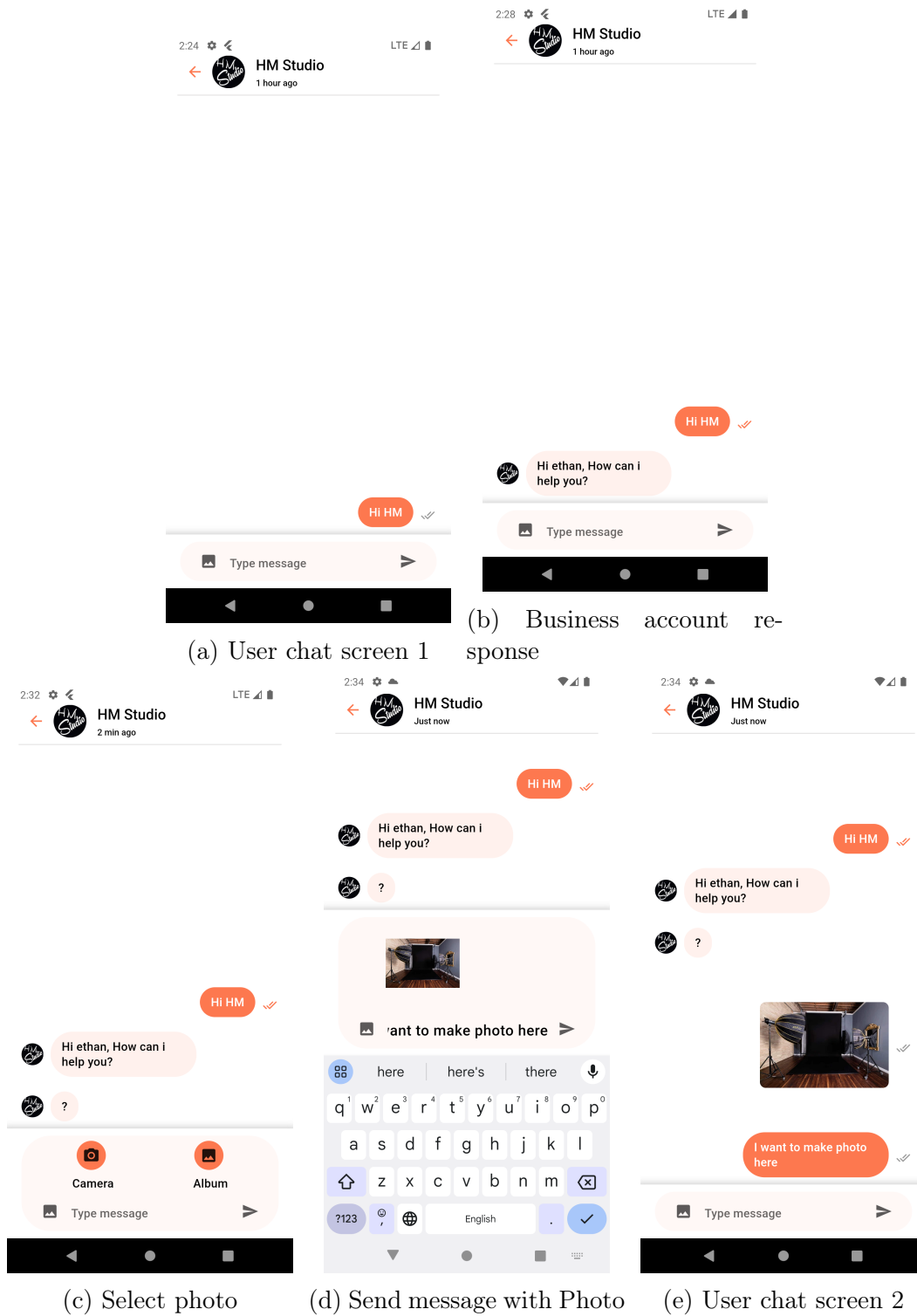


Figure 7.55: Inside chat screen

## 7.2.6 Admin screens and feature

### 7.2.6.1 Home Screen

The admin home screen offers a variety of buttons with different functions for the administrator:

1. Business Accounts:

- This button allows the admin to access and review a comprehensive list of all registered business accounts. It provides an overview of the entities using the application.

2. Suspended Accounts:

- On this screen, the admin can specifically view and manage business accounts that have been suspended.

3. Reports:

- By clicking on the "Reports" button, the admin can access and analyze detailed reports. These reports provide insights into various aspects of application usage and performance.

4. Statistics:

- The "Statistics" button provides the admin with a dedicated screen to explore and understand key metrics and trends related to the application. This facilitates strategic decision-making.

5. Feedback:

- Admins can review user feedback by selecting the "Feedback" button.

6. Send Notification:

- The "Send Notification" button enables the admin to broadcast notifications to all users.

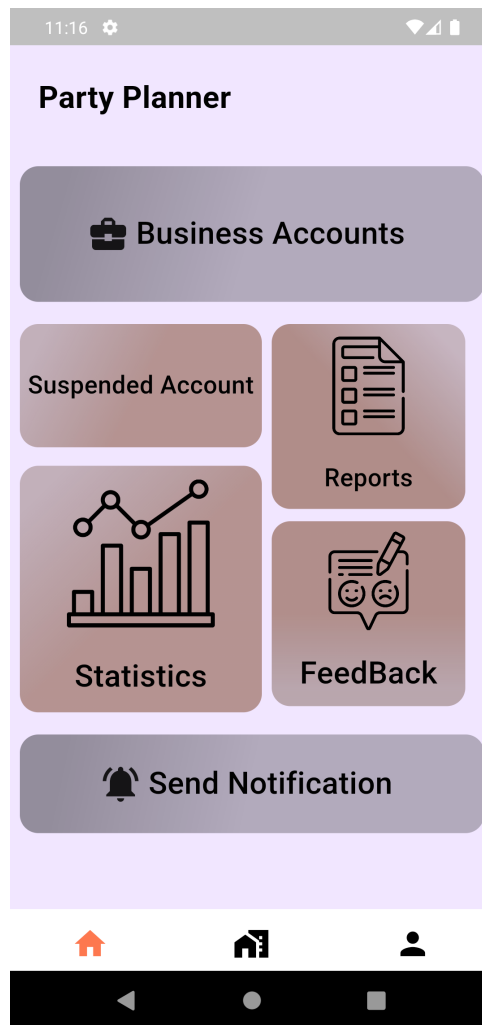
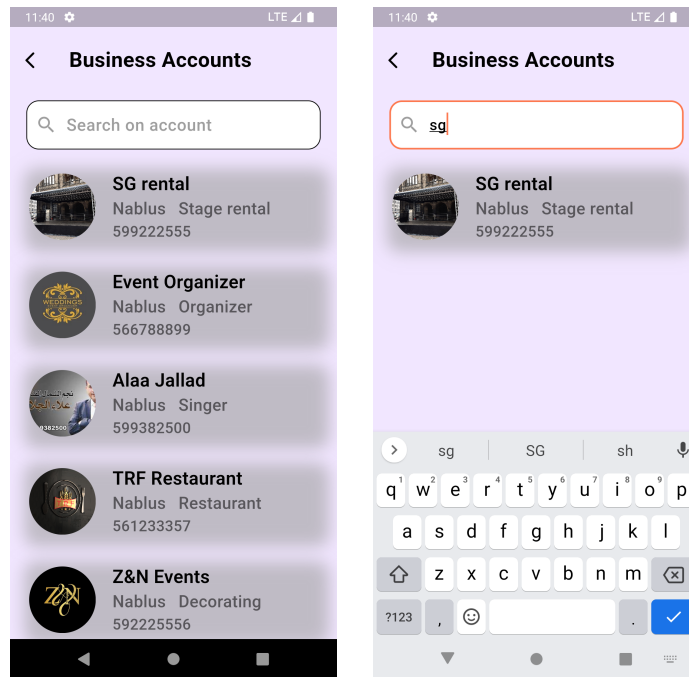


Figure 7.56: Admin Home Screen

- Business Account

In the Business Account section, administrators have a feature that lets them display and manage all business accounts. The interface is user-friendly and offers the following benefits:

- Administrators can use this feature to easily view a complete list of all registered business accounts. This gives them a detailed overview of the entities using the application.
- Additionally, the admin interface includes a search function, which helps administrators find specific business accounts quickly by entering the account name.



(a) Business Screen

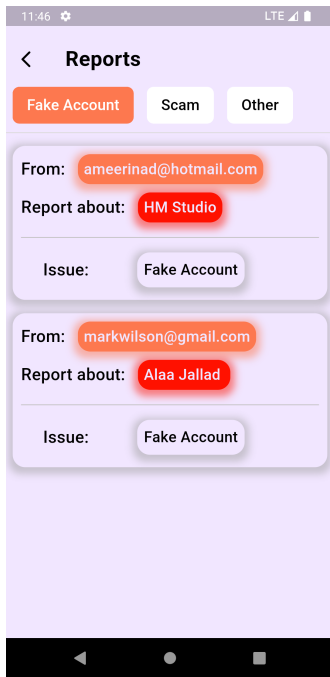
(b) Business Search

Figure 7.57: Admin - Business account

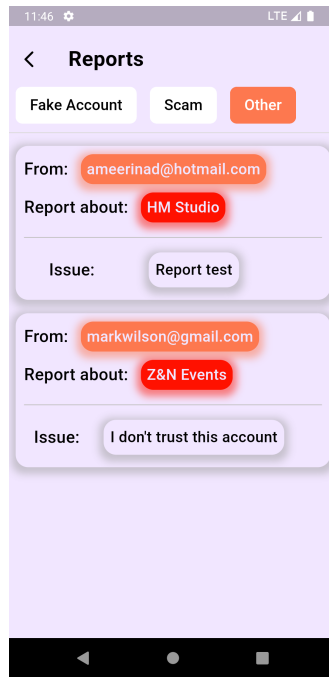
- Reports

The Reports page allows the administrator to thoroughly review and oversee reports submitted by users regarding business accounts. This interface includes the following features:

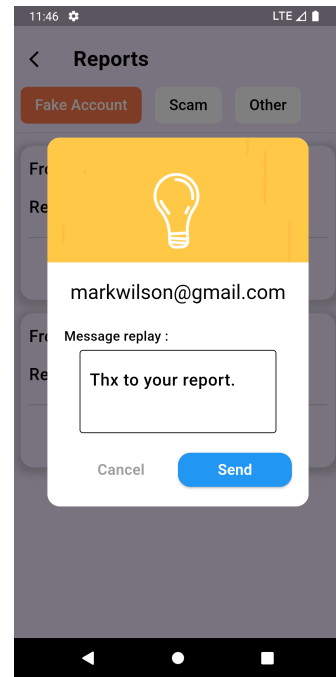
1. Categorization and Viewing of Reports: The administrator can categorize and view reports based on their types. This feature facilitates a structured and comprehensive analysis of the reports, effectively addressing specific concerns or issues raised by users.
2. User Communication: Regarding each reported matter, the administrator can directly communicate with the user by sending a reply to their email. This two-way communication promotes transparency and enables the administrator to provide the user with additional information or updates about the reported issue.



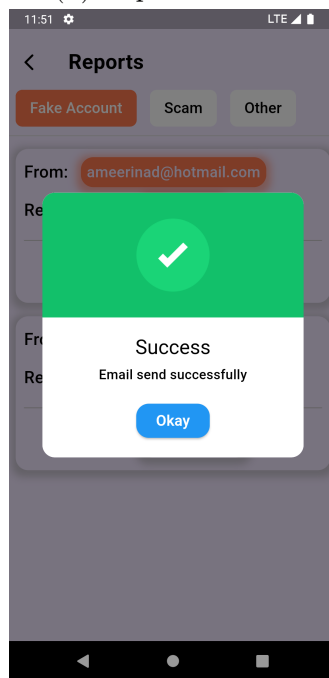
(a) Report - Fake acc



(b) Report - Other



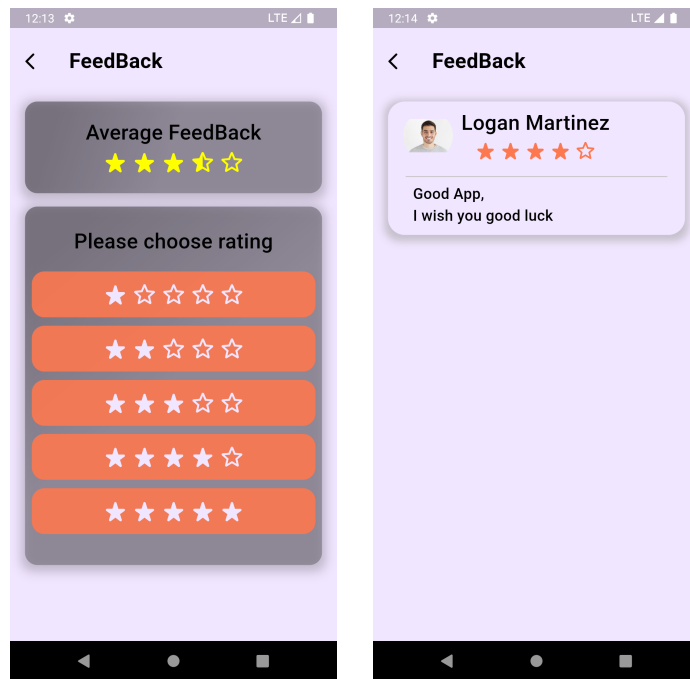
(c) Report send Message



(d) Report send successfully

Figure 7.58: Admin - Report Screen

- Feedback The Feedback screen provides the administrator with valuable insights into user sentiments and application performance. The interface includes the following features:
  1. Average Feedback Rating: - The administrator can easily view the average feedback rating, which provides a comprehensive measure of overall user satisfaction.
  2. Category-Specific Ratings: - The feedback screen breaks down user ratings into specific categories.



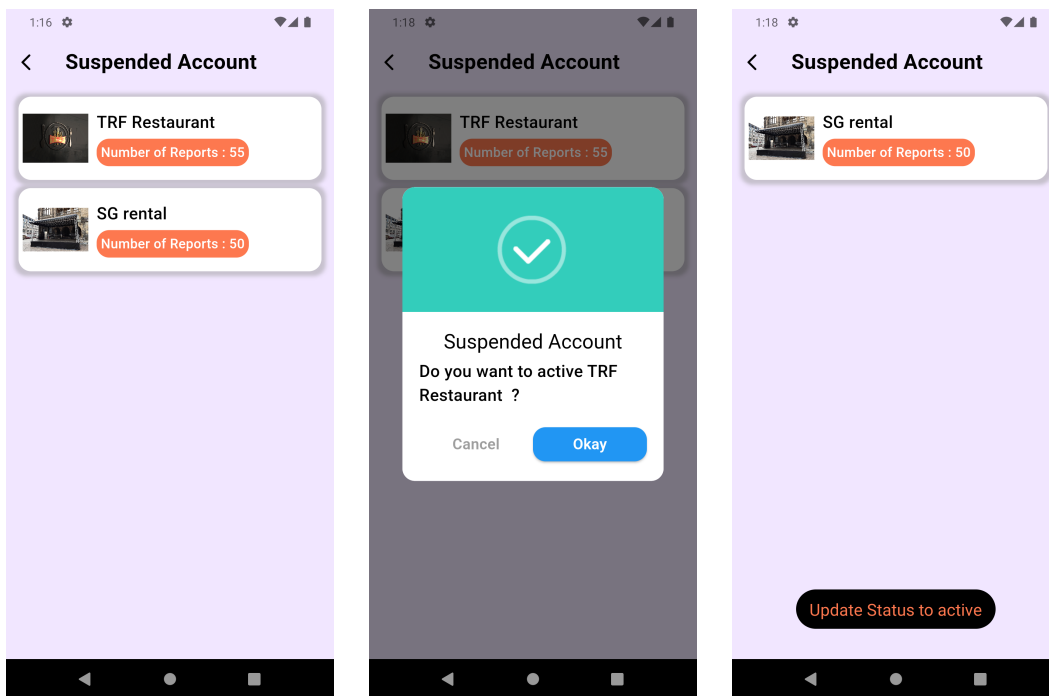
(a) Feedback main screen (b) Feedback second screen

Figure 7.59: Admin - Feedback

- **Suspended Account**

The Suspended Account screen offers administrators a range of functionalities to efficiently manage suspended accounts. The interface is easy to use and provides the following features:

- Administrators can access a comprehensive list of all currently suspended business accounts, giving them a clear overview of which accounts have been subjected to suspension-related actions.
- Each suspended account prominently displays the number of reports associated with it. This information offers valuable insights into the reasons behind the account suspension, facilitating decision-making.
- Administrators have the authority to reactivate suspended accounts as necessary. This functionality allows for flexibility in resolving issues or addressing concerns that led to the suspension, giving businesses the opportunity to comply with policies or regulations.



(a) Suspended Screen

(b) Active account

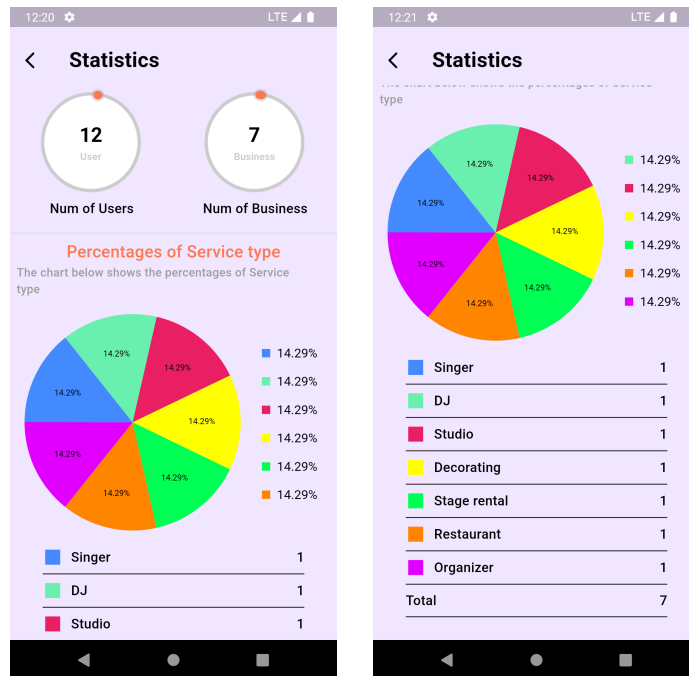
(c) Active account done

Figure 7.60: Admin - Suspended account

- Statistics

The Statistics screen offers administrators a comprehensive range of metrics to analyze the overall performance and composition of the application. It encompasses the following functionalities:

- Administrators can conveniently view the total number of registered users and business accounts, providing them with a foundational overview of the user base.
- The screen presents a percentage breakdown of various service types, offering insights into the diversity of services provided. This breakdown facilitates an understanding of the popularity of different service categories.
- Administrators can access the number of business accounts categorized by service type, providing them with a detailed breakdown of the offerings.
- Furthermore, the screen displays the total number of business accounts, summarizing the overall presence of businesses within the application.



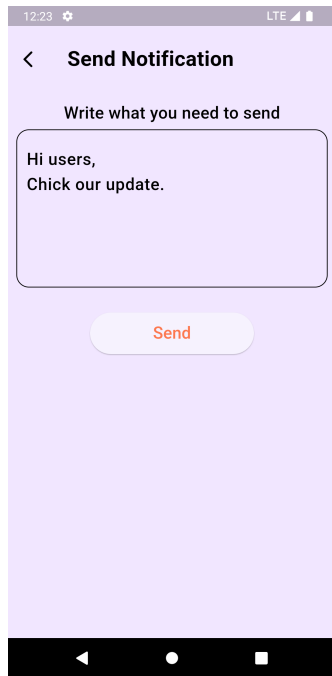
(a) Statistics screen 1

(b) Statistics screen 2

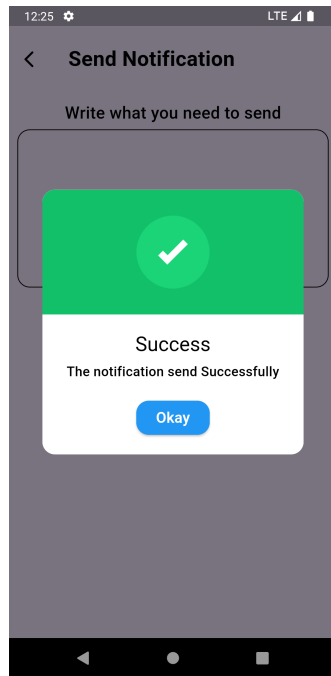
Figure 7.61: Admin - Statistics

- Send Notification

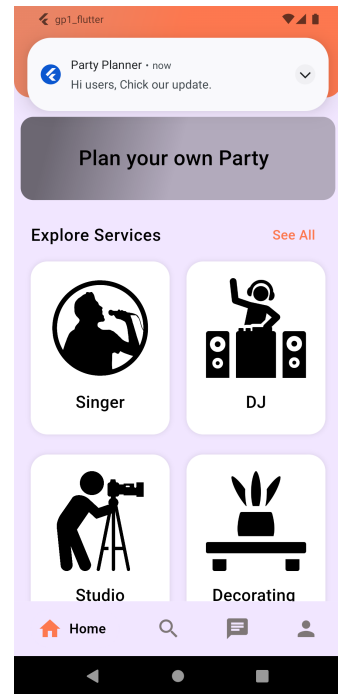
The "Send Notification" screen enables administrators to dispatch notifications to all application users. This interface ensures the smooth and proficient communication of vital announcements, updates, and other pertinent information to a wide audience.



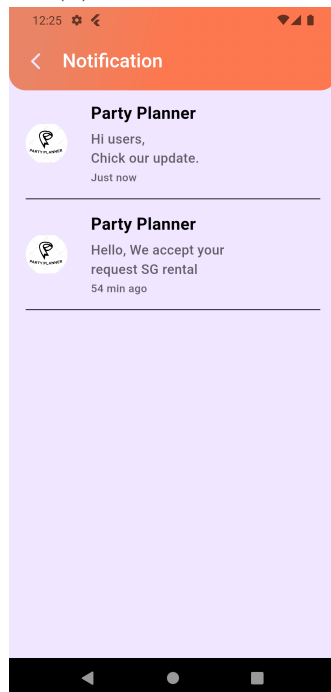
(a) Send Noti Screen



(b) Send noti done



(c) User Notification



(d) User Notifi screen

Figure 7.62: Admin - Send Notification

### 7.2.6.2 Profile Screen

The Admin Profile screen provides administrators with access to important information and settings for effective account management. The interface includes the following components:

1. Presentation of key admin details, such as name, email, phone number, and profile picture.
2. Various settings options for the admin, including:
  - Update Account: This function allows admins to modify profile information or settings as needed.
  - Change Password: This feature enables admins to update their account password.
  - Add New Admin: This functionality permits admins to expand the administrative team by adding new administrators.
  - Logout: This option offers admins a convenient and secure way to log out of their account.

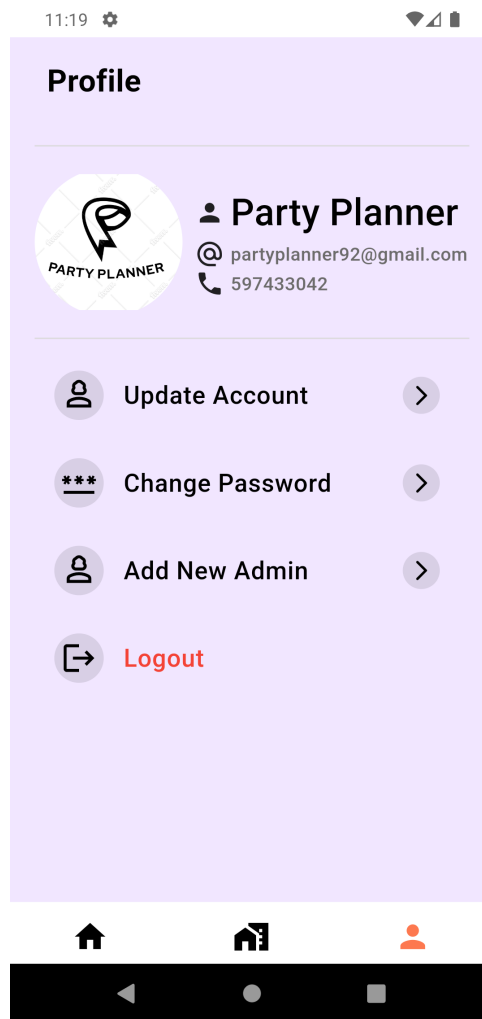
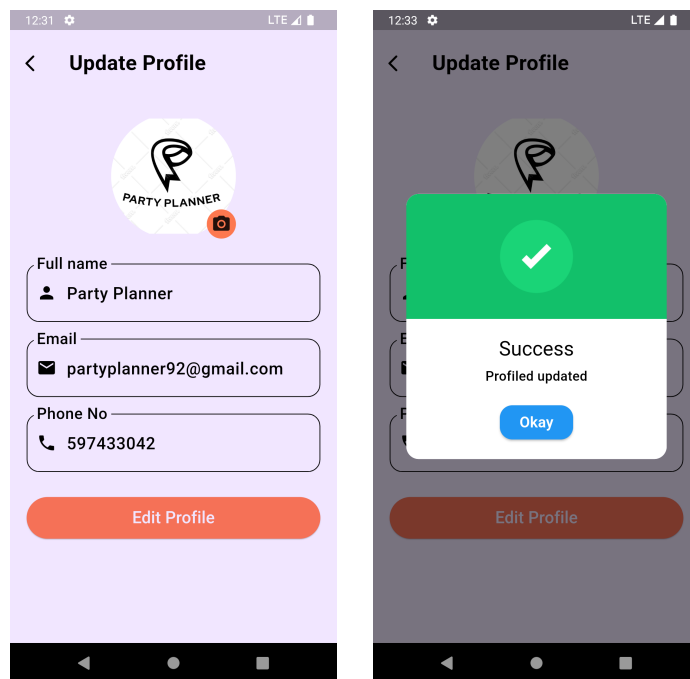


Figure 7.63: Admin Profile Screen

- Update Account The "Update Account" screen has been designed to offer administrators a user-friendly and customize experience, enabling them to modify their account details. This screen provides a range of options, including:
  1. Change Profile Picture: Administrators have the ability to personalize their profile picture, making it easier to visually recognize them.
  2. Edit Full Name: Administrators can modify their full name to ensure accurate and up-to-date identification within the application.
  3. Update Email Address: Admins can change their email address, ensuring that their contact information is always kept up-to-date.
  4. Adjust Phone Number: The screen allows administrators to update their phone number, ensuring that their contact information remains current and relevant.



(a) Update admin screen      (b) Update account done

Figure 7.64: Admin - Update account

- change Password The "Update Password" screen is a secure way for administrators to change their account password, ensuring strong account security. This user-friendly interface includes the following elements: 1. Current Password: - Administrators are asked to enter their current password for verification. 2. New Password: - Administrators can choose a new, strong password to enhance account protection. 3. Confirm New Password: - Administrators need to re-enter the new password to confirm it and avoid input errors.

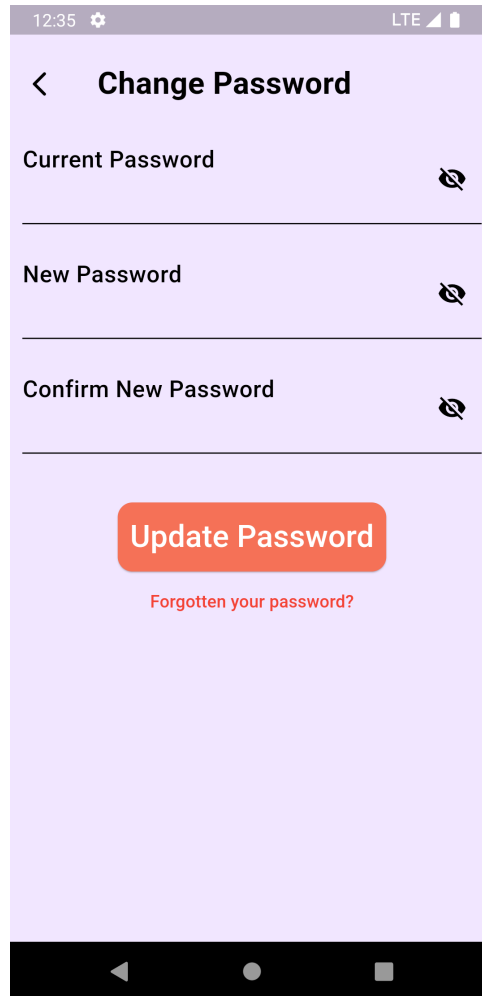


Figure 7.65: Admin - Change password

- Add New Admin

The purpose of the "Add New Admin" page is to allow administrators to expand the administrative team by adding a new admin to the application. This page includes various input fields for the following information: 1. Profile Picture: - Administrators can upload a profile picture for the new admin, which aids in visual identification. 2. Name: - The admin can enter the full name of the new administrator. 3. Email: - A valid email address is required for the new admin's account. 4. Phone Number: - The admin can provide a contact phone number for the new administrator. 5. Password: - A secure password is created for the new admin's account. 6. Confirm Password: - To ensure accuracy, the admin is asked to re-enter the new password for confirmation.

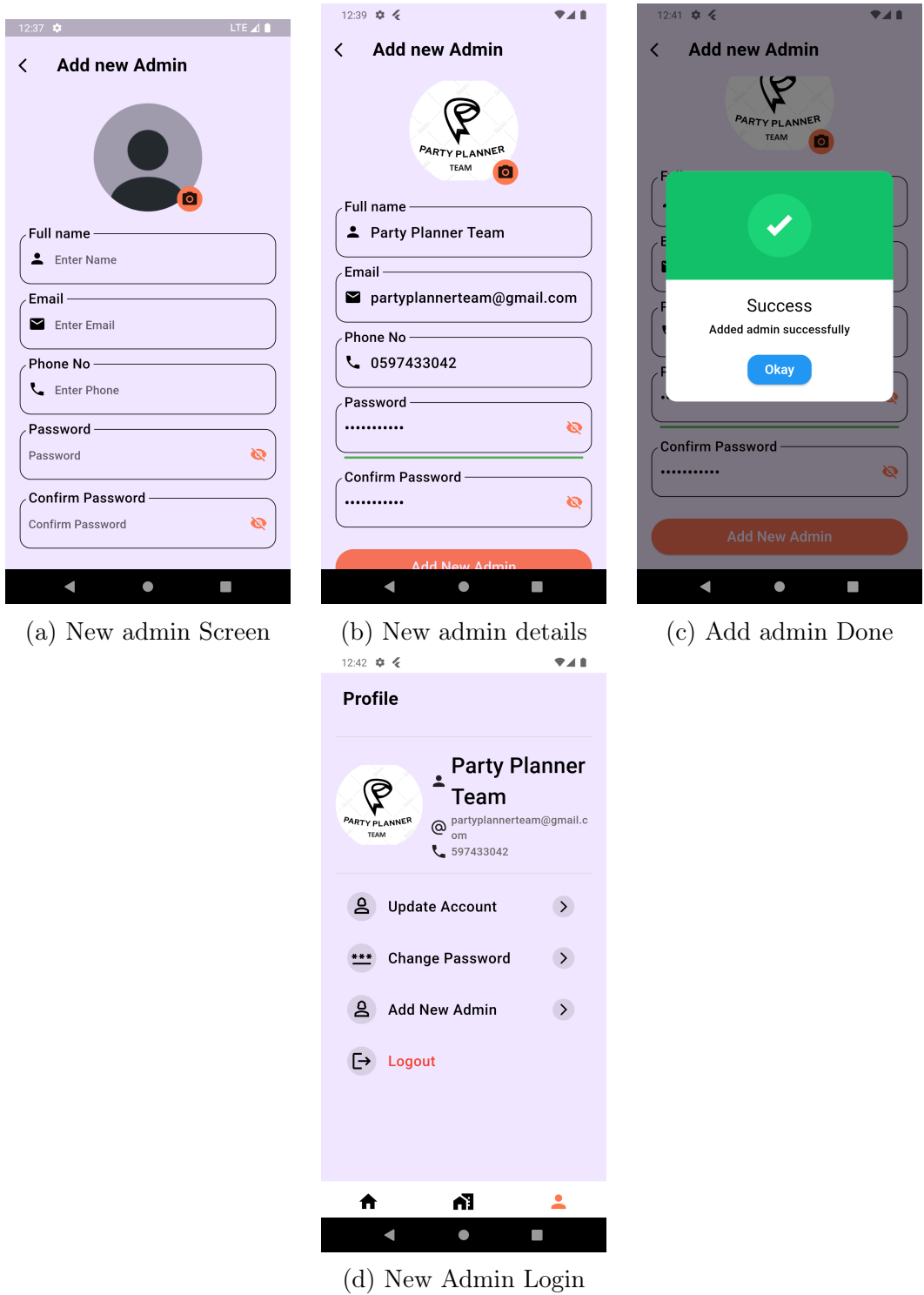


Figure 7.66: Admin - New Admin account

### 7.2.6.3 Request Screen

The "Request" screen enables administrators to manage activation requests from business accounts that necessitate approval. This screen provides the following functionalities:

- Administrators have the capability to view a comprehensive list of business accounts that have submitted activation requests. This list offers a concise overview of pending requests.
- For each business account in the list, administrators can opt to approve the activation request. Approval grants permission and allows the business account to become active within the application.

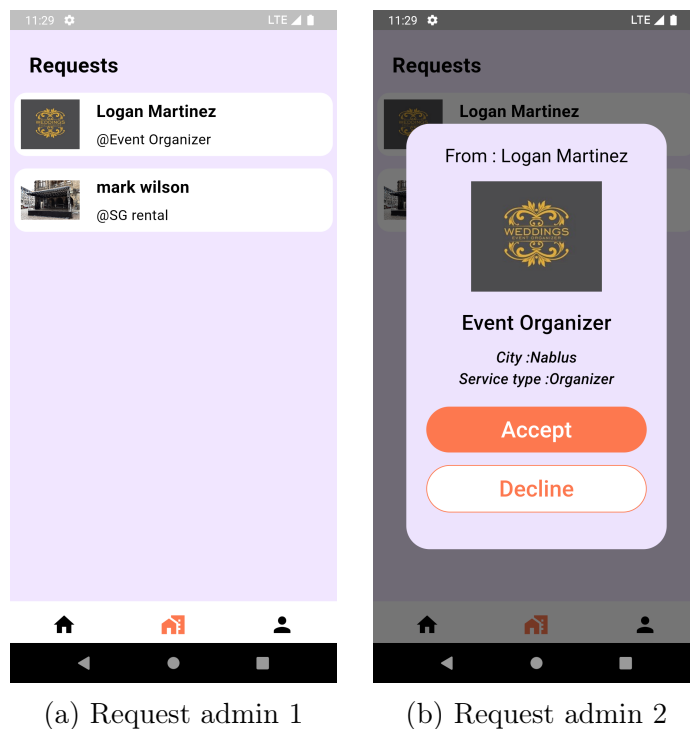
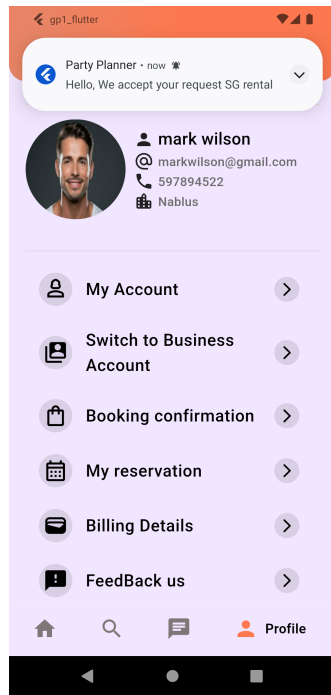


Figure 7.67: Request Screen

Once the administrator approves and activates your business account, you will receive a notification confirming the activation. This notification serves as confirmation that your account is now active and ready for use within the application.



(a) Request Notification



(b) Notification Screen

Figure 7.68: Request Notification

## **Result and Discussion**

### **8.1 Result:**

Our party planner application has been meticulously crafted to cater to a wide range of users, from casual party enthusiasts to seasoned event organizers. It is designed to empower party hosts by offering a comprehensive suite of features that facilitate seamless event planning and organization. Moreover, it provides efficient tools for party planning businesses to effectively manage their operations, including the seamless onboarding of new event planners to assemble a skilled and dynamic team. The application boasts robust user profiles that offer personalized experiences and streamline administrative tasks for party planning businesses. Ultimately, our objective is to create an all-encompassing and user-friendly solution that caters to the diverse needs of the party industry.

### **8.2 Discussion:**

The Party Planner application is a professional and inclusive system designed to cater to the diverse needs of a wide audience. Whether you are organizing a traditional gathering or an extravagant wedding celebration, our application offers all the essential features for a seamless party planning experience. You can easily create profiles, manage events, and effortlessly track reservations, making the process intuitive and accessible. Additionally, our introduction of business accounts allows party planners to showcase their unique styles and offerings. The administrative interface further streamlines application management, enabling admins to add new business accounts, analyze reports, evaluate statistics, and address any suspended accounts. This robust administrative capability enhances the overall user experience by providing efficient control and continuous improvement. Our Party Planner application is a user-friendly solution that offers a delightful experience for both casual users and business-oriented individuals involved in the art of party planning.

## Conclusion and recommendations

### 9.1 Conclusion

In conclusion, our Party Planner application has made a significant impact on the event coordination industry by offering an innovative solution. Our user-centric approach ensures that our application meets all party planning needs, whether it's a small get-together or a grand wedding ceremony. Our platform provides an intuitive and user-friendly experience, allowing users to effortlessly create profiles, plan events, and manage reservations. By introducing business accounts, we empower party planners to showcase their unique creativity in each event. Additionally, our administrative interface enhances the functionality of the application by enabling admins to onboard new business accounts, generate detailed reports, analyze statistics, and efficiently manage account statuses. With its accessible features, our Party Planner application has the potential to redefine the standards of party planning, providing a versatile and enjoyable platform for both users and businesses.

### 9.2 Recommendations

Based on our project, we have several recommendations for future development and research. Firstly, we suggest expanding the statistical features to offer more comprehensive information. This will enable us to gain deeper insights into user behaviors and preferences. Additionally, integrating AI and machine learning into the system can significantly improve the efficiency of party packages and recommendation systems. By customizing suggestions based on user preferences and current trends, we can provide more personalized recommendations. Lastly, we propose updating the interface to optimize efficiency and create a user-friendly and visually appealing experience. Implementing these advancements has the potential to greatly enhance the overall functionality and user satisfaction of our Party Planner application.

## 9.3 Future work

With the recent enhancements made to our party planner application, there are exciting opportunities for future work that can enhance the user experience and expand the capabilities of the application.

The introduction of Interactive Invitations has opened up possibilities for more engaging event communication. Future work could explore advanced features within invitations, such as interactive maps, multimedia content, and personalized guest interactions, making the invitation process even more dynamic.

The integration of Virtual Reality (VR) Previews adds a unique dimension to event planning. Future developments could involve improving the VR experiences, allowing users to virtually walk through event spaces, preview decorations in real-time, and make informed decisions for a more immersive planning process.

The integration with Social Media is a powerful addition to our application. In future iterations, this feature could be expanded to include more interactive elements, such as live social media feeds during events, social sharing of event highlights, and direct integration with popular social platforms for a seamless user experience.

In conclusion, the recent advancements in our party planner application have laid the foundation for future innovations. Areas of future work could include refining Interactive Invitations, further developing Virtual Reality Previews, and expanding the integration with Social Media. These improvements aim to not only meet but exceed user expectations, providing a revolutionary party planning experience and setting new standards in the realm of event coordination.

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