

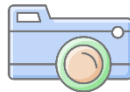


An-Najah National University  
Faculty Of Engineering Computer Engineering Department

Graduation Project 1 (Software)

## **Pic-A-Boo**

### **Your Booking App for Special Moments**



**Rahaf Birawi**

**Masa AbdalNasser Issa**

**Supervisor:**

**Dr. Suleiman Abu Kharmeh**

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## **Disclaimer**

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## Abstract

In this project, an integrated website and mobile application were designed to book and improve the service flow of photography sessions across the services such as MySQL, React, Express, and Node.js . It was possible to make appointments, contact photographers, and choose between several photographic sessions. Other major self-explanatory facets of the application were calendar for the immediate booking of a photographer, chat windows for interaction with the particular photographer in real time, and mapping facilities for identification or booking of location for the shooting session, additional options that can be added to a particular session. Photographers developed special web sites for portfolios, which allowed users to select the sessions and to rate them with the help of feedback service of the application. In terms of payment the necessary conditions were provided to provide the clients and photographers with convenient and problem-free payment solutions. These interface designs were created to be user cooperative and user friendly, resulting in functional, let alone aesthetic, solutions to meet the demands of the existing photographic market. Having all of these features in one system, the project offered a perfect solution for organizing and running photographic sessions successfully.

# Chapter 1: Introduction

## 1.1 General Background and motivation

The photography industry has grown remarkably due to the growing availability of better quality photos in different fields including social communications and personal occasions. But, the process of booking photography or any related service still tends to be uncoordinated as well as lacking in efficiency. Most clients and photographers are still using primitive ways of arranging appointments, communicating with schedules and managing bookings which often takes a lot of time and results to errors in the end. Consequently, these inefficiencies are detrimental to customer satisfaction and create lost business opportunities and diminishing organizational growth. That is why our Pic-a-Boo was created specifically to simplify the process of booking photographers for photography services and make it joyful for both sides. Through the platform, the users can make appointments, contact photographers, select a range of sessions, and paying for them online securely. Besides enabling users to book photographs based on basic parameters, Pic-a-Boo has other services to improve the aspects of photography booking. Clients need not be restricted to photographers within their geographical areas but can instead book a session with photographers they prefer, view galleries, and make informed decisions about the date and time of their photo sessions. Guru: Photographers on the other hand can create profiles and be able to promote their work and sell directly to their clients.

One of the most valuable aspects in using Pic-a-Boo would be that it can help to enhance business performance for those photographers. Thanks to the automation and data entering most of the routine tasks that photographers used to engage into, the application benefits the photographers by cutting down their working time, helping to organized sessions more effectively and reach a wider audience of clients. Such an automated process means that what is in store for the clients, who want to book the services of a photographer, is as seamless a process as possible which in the long run will generate better business outcomes. A love for technology and detailing make this company's goal to transform photography as we know it today possible through mastery of software development. As future professionals we saw the potential of applying technical knowledge within practical efforts within the sphere of photography. The idea behind Pic-a-Boo is to make the employing process between clients and photographers, and the experience for the remaining users fun, straightforward, and positive. The idea behind Pic-a-Boo is to make the employment process between clients and photographers, and the experience for the remaining user's fun, straightforward, and positive. In addition, we understand the importance of Pic-a-Boo in helping small and medium photography enterprises to get affordable and easy to use websites. For this reason, Pic-a-Boo provides the photographers with a cheaper and effective way to offer their services, gain more clients and expand their agencies. As for Pic-a-Boo baseline profit, our primary objective is to provide a complete solution that will improve the photography services quality for the clients and assistants, as well as develop the sphere of photography.

## **1.2 Problem**

As described in the Background and Motivation section, both photographers and clients use outdated, time-consuming and susceptible to mistakes tools and apply a range of manual methods to manage the booking and organization of photo sessions. These non-automated approaches often result in dissatisfied clients, missed opportunities and even general problems with business development. They include communication barriers, lack of well-coordinated schedules, and payment problems that also affect the inefficiency of the industry. These challenges have been met by our Pic-a-Boo application because it is an easy-to-use application that is also technologically sophisticated. Reducing the number of operations that photographers are forced to perform by hand and improving the quality of the booking process makes it better for both photographers and clients. Lastly, the vision of Pic-a-Boo is to bring the meetings of the client and photographer to a more smooth, constructive, and reasonable level towards organizing the desired session.

## **1.3 Objective**

The primary goal of the Pic-a-Boo project is to try and solve the problem of trying to find photographers and booking a session with them as quickly and easily as possible. It also seeks to improve communication. We offer an integrated real-time chat that enables the exchange of messages between the photographers and users of the application.

Photographers are offered individual pages to display their portfolios and thus the clients can make sound choices. Further, there is a professional calendar for the increase in productivity in the field of scheduling, as well as a safe possibility for the transactions making. In addition, opting for session kind, accessories, and locations of the session also adds to clients' flexibility within Pic-a-Boo. The application also fosters business opportunities where photographers including small medium business owners get to get many clients, while developing their services. Thanks to a user-friendly interface and logo, the site meets the requirements of the contemporary photography market and encourages sellers' confidence due to feedback and ratings. In addition, integrated mapping services allow customers search a proper photography location and make a booking of spots accordingly

## **1.4 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 objective sections.

## **1.5 Importance**

Business customers who will be using our Pic-a-Boo application will find the interface created in a way that makes it possible to reduce operations that take place manually, and to offer new tools that make the overall procedure of the booking and management of photographs much easier to accomplish. It offers the following benefits:

1. Automation of manual processes:

Various tasks related to photography session such as bookings, control over session choices, payments and progress of booked appointments are some of the features that are

automated by this application. Notifications and chat minimize the time and effort to sync with the clients and the photographers.

## 2. Improved customer experience:

Pic-a-Boo is a simple interface through which clients can reach photographers and find information on the services within the site and on specific photographers, make appointments and get in touch with the photographers. This confirms greater satisfaction and thus feeds loyalty that is long term.

## 3. Increased efficiency and accuracy:

Some traditional booking processes and the organization of schedules can be delegated to the application, and therefore the main advantages include increased speed, fewer mistakes, and the potential for disruption of communication. This enables photographers to give their clients a tasteful and professional approach to taking photography services.

## 4. Provision of valuable insights:

Organizational decision-makers and photographers that manage the Pic-a-Boo site receive useful data such as booking history, revenue data, and consumer preferences. They include basic and advanced statistics that help make evidence-based decisions regarding services to offer, how to enhance customer experience, and thus expand operations.

# Chapter 2:

## 2.1 Constraints and Earlier coursework

1. Several difficulties were observed during the analysis of requirements as well as during the testing of components that should meet the needs of various clients and photographers. Another major drawback while designing was the issue of achieving an optimum between utility and style on one end of the scale, and between meeting the different needs of the users on the other end of the scale.

2. This timeline presented some challenges in developing Pic-a-Boo, due to the commitment of the team to other activities besides academics and other projects they were working on. Also, practicing with technologies including Flutter, React and back-end tools like Node.js were new to us for the first time, directing a significant amount of time to understanding these forms and languages. Our work was limited to four months, and

during that period, the team mainly concentrated on the learning of the technologies and the provision of basic functions.

3. A final limitation originated from the limited nature of the testing environment, dedicated to the platform only. Because of the availability of only a few iOS devices, the application was tested and further developed on Android devices only. This platform limitation came to affect the extent of testing since we focused our efforts on guaranteeing Android users a stable experience given the limitations.

## **2.2 Earlier coursework**

From the Computer Engineering courses that we took; it was very helpful in that we were able to build and design the Pic-a-Boo application. From the Web Programming and Object-Oriented Programming studied in our classes, each was applied as the fundamentals for this project. To gain further experience, course study was complemented by attendance of the Node.js bootcamp and studying MySQL at the university. Further, we subscribed to the programs on Udemy to master Flutter and React since these languages are indispensable for front-end development. These additional resources enhanced the design and effectiveness of this application to a very large extent.

## **3.2 Literature Review**

The need for development of Pic-a-Boo was identified regarding current systems and their inability to satisfy the photographers as well as clients adequately. Other platforms like Thumbtack, Snappr, and ShootProof are booking, and management services of session photography where photographers use these platforms to display their work and clients

book sessions from these photographers. But these platforms usually do not possess the features such as real time communication tools, choice of session from a list of options and integrated services like choice of accessories and mapping. Other systems provide either fragmented or a portion of the travel photographic booking service offering scheduling or payment processing functionalities, but none provide an all-around experience. Here, independent photographers or small businesses are overshadowed by larger companies or must pay through the roof or are not able to customize enough. Pic-a-Boo aims to fill these voids with a single solution that targets photographers and customers in equal measure. Common features like instant messaging, secure payment solutions, configurable session parameters, and mapping are included and make it simpler and quicker to use. In addition, Pic-a-Boo enhances equity to new and young photographers through the provision of cheaper portfolio management tools and engagements hence improving their standing in the market.

## **Chapter 3: Methodology**

Methodology From the literature review of the photography booking platforms and after conducting a prior research, it can be deduced that Pic-a-Boo is a major step forward in improving the flow and experience of the photographers as well as the clients. The methodology used in the conduct of this research, as well as the collection, analysis, and processing of data to develop the application, is presented in this chapter. It also describes the tools, technology and system adopted in developing Pic-a-Boo, and the results obtained from the development. As part of the methodology, the current systems were assessed to reveal their drawbacks and the requirements of the intended audience guided the development of the main elements of the system. The following chapter expounds on the techniques utilized to guarantee that Pic-a-Boo hosts a capable, user-friendly and efficient platform for booking and organizing photo shooting sessions.

### **3.1 Tools, Methods and Programming Languages**

While designing Pic-a-Boo, we used some of the tools, techniques, methods and programming languages to come up with an application that is effective and easy to use. At the front-end, we use React and React Native, this gives our application a modern and interactive user interface compatible with both the web and mobile devices. On the backend side, we utilized Node.js and Express.js to create a RESTful API; moreover, to

handle the application data and business logic, we utilized the Sequelize ORM. MySQL is used on the backend as the application database which effectively handles the relational database scheme of the application. With the help of these tools, and following a set development pattern, we were able to set up an effective and integrated system for organizing the photography sessions.

## 3.2 Standards

### 3.2.1 MVC (Model View Controller)

In our project, we implemented the Model-View-Controller (MVC) pattern to structure our system efficiently:

**Model:** This part represented our database, MySQL. The model, detailed with expert profiles and relevant data, is central to training and updating in response to requests from both the view and controller.

**View:** This is the graphical user interface (GUI) used by different users like admins, students, and experts. It facilitates various functions such as making reservations, managing bookings, asking questions, and rating and searching features.

**Controller:** Serving as the backbone, it's built with Node.js and handles the backend operations of both the application and the website. It's crucial for linking the Model and the View, ensuring they work together seamlessly.

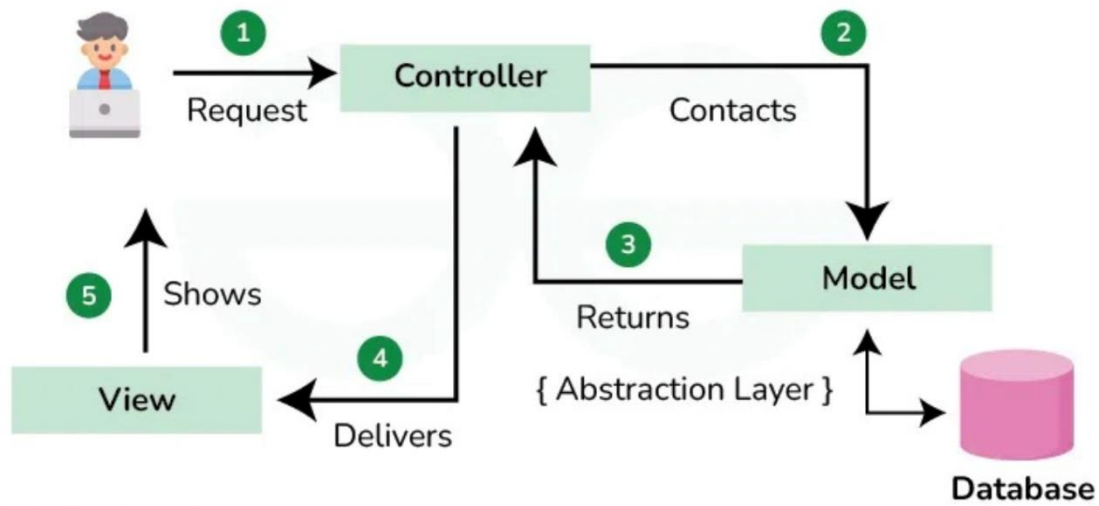


Figure 1:MVC

### 3.2.2 Client Side

#### **Design:**

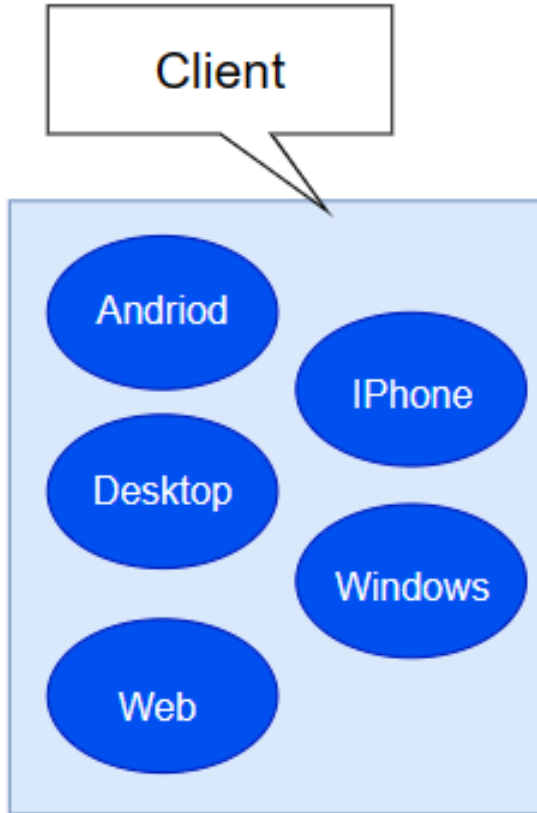
At the start of the Pic-a-Boo application project, the design of the client side followed a series of group discussions and comprehensive research which formed the basis of unique and appealing concept. This idea was created out of a passion for photography and devotion to building the most efficient system for the organization of a photography session booking. Contrary to utilizing standard UI templates for typical business applications, we devoted a lot of time in developing a thoughtful and unique application UI. The UI design was made in-house, although the interfaces designed, and its aspects were based on our findings as well as actual practices with reference to user needs and standards of the trade. The primary consistent that this approach allowed for was the fashioning of a design layout that is an aesthetic fit of the brand image and theme of the application. Also, using a coherent set of colors, we ensured that the application's atmosphere contributes to the overall enjoyable and comfortable experience of a user.

### ***Framework:***

For our client-side development, we utilized **React** and **React Native**, popular open-source frameworks for building user interfaces. React allows us to develop a dynamic and interactive web interface, while React Native extends these capabilities to create mobile applications for both iOS and Android platforms using a shared code base. We selected React and React Native for their robust ecosystems, reusable component structure, and cross-platform development efficiency. By employing these frameworks, we streamlined the development process, eliminating the need for separate native programming for each platform. This approach saved us valuable time and effort while ensuring a consistent user experience across web and mobile platforms. React and React Native's extensive libraries and community support further solidified our decision, making them the ideal choice for delivering the intuitive and responsive interfaces required for **Pic-a-Boo**

### ***Programming Languages:***

When constructing Pic-a-Boo, JavaScript was used as the main language on both the client as well as server side. JavaScript is a friendly, powerful and an object oriented language that has been used in the modern world development of web and mobile applications. JavaScript is able to adapt and be flexible which also is fueled by a large amount of libraries and frameworks, along with us having exposure to the language during our university years. Thus, with the help of libraries and frameworks like React, React Native and Node.js JavaScript allowed keeping the process of development effective and scalable. Its capability to operate dynamic, real-time features it is suitable for the application hence becoming an essential tools that supports delivery of a good user experience.



*Figure 2: client side*

### 3.2.3 Server Side:

#### **Architecture**

In the case of Pic-a-Boo's design, we decided to have a client-server structure which supported multiple client communication through the same server. The server tier was implemented specifically for a RESTful API enabling clean interaction between the client tier and the server tier.

#### **Framework**

In terms of server-side scripting the main frameworks used were Node.js and Express.js. These technologies have been selected because of their virility, community of users, and stunning results that will fit perfectly within our project needs. Node.js has excellent I/O control in parallel and is event based, thus allowing for many similar requests to be processed simultaneously, and Express.js is an advantageous way to work with strong API using simple features and middleware. Considering the Node.js and Express.js in parallel with each other, we created a dependable and efficient backend framework to meet the fundamental requirements of Pic-a-Boo.



Figure 3:server side

### 3.3 Backend Development

#### Express Js:

is a simple and flexible framework used in Node.js to build web applications and APIs. It makes web development easier by handling tasks like routing (directing traffic based on URLs) and dealing with HTTP requests and responses. You can also extend its features with various plug-ins, known as middleware. Express.js is popular for its simplicity and speed, making it a great choice for creating efficient web applications.

Basic routing:

Put, Delete, Post, Get

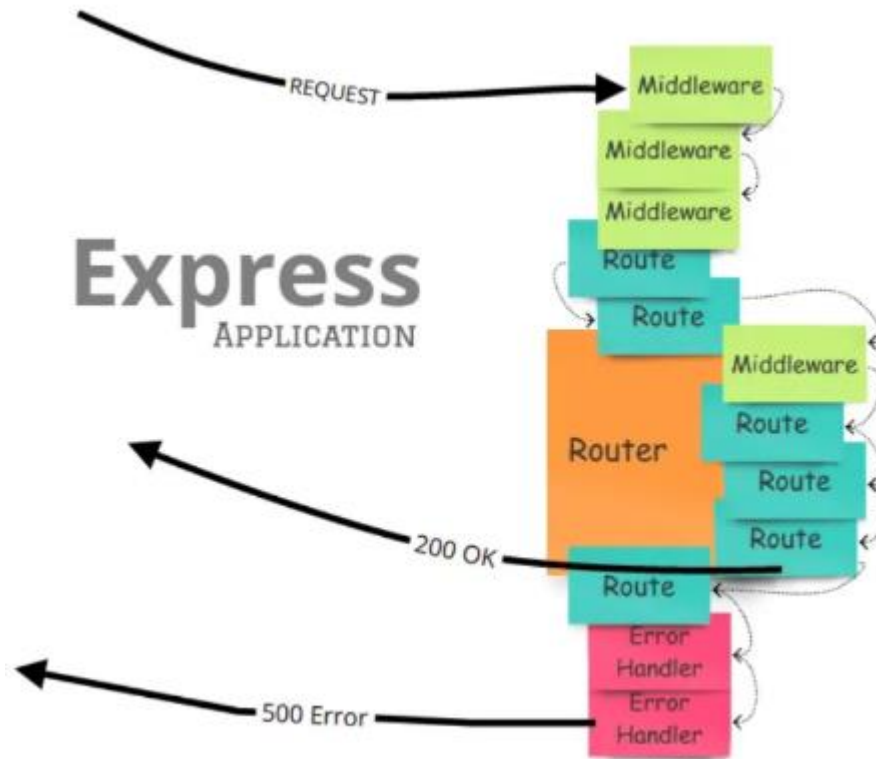


Figure 4: Express JS

### 3.3.1 API's We Use

#### Google Maps API

- **Purpose:** To display and interact with maps, provide directions, and help users locate photo session venues with ease.
- **Usage:** This API is used for features such as mapping photo session locations and integrating search functionalities for places.

```
import React from 'react';

const MapComponent = () => {
  return (
    <div style={{ width: '50%', height: '80px', borderRadius: '15px'}}>
      <iframe
        title="Google Map"
        src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d432944.0220963437!2d35.088476049999998!3d32.032"
        width="100%"
        height="100%"
        style={{ border: 0 }}
        allowFullScreen=""
        loading="lazy"
      ></iframe>
    </div>
  );
};
```

Figure 5: Google Maps API

#### Calendar API

- **Purpose:** To manage bookings and display available dates and times.
- **Usage:** Enables users to select time slots for photography sessions and provides reminders for appointments.

```
1 import * as React from 'react';
2 import Paper from '@mui/material/Paper';
3 import { ViewState } from '@devexpress/dx-react-scheduler';
4 import Topbar from './components/topbar/Topbar';
5
6 import {
7   Scheduler,
8   DayView,
9   Appointments,
10  WeekView,
11  Toolbar,
12  ViewSwitcher,
13  MonthView,
14 } from '@devexpress/dx-react-scheduler-material-ui';
15
16 const currentDate = '2025-01-01';
17
```

Figure 6: Calendar API

## Chart.js API

- **Purpose:** To create interactive and visually appealing data visualizations such as bar charts, line graphs, and pie charts.
- **Usage:** This API is utilized in the dashboard to display metrics, such as the number of visits to a place, photographers' working hours, or other analytical data. It provides an intuitive way for users to understand performance and trends.

```
import React from "react";
import { Bar } from "react-chartjs-2";
import { Chart as ChartJS, CategoryScale, LinearScale, BarElement, Title, Tooltip, Legend } from "chart.js";

// Register Chart.js components
ChartJS.register(CategoryScale, LinearScale, BarElement, Title, Tooltip, Legend);

const WeeklyActivityChart2 = () => {
```

Figure 7:Chart.js API

## Map API

- **Purpose:** To provide an interactive map interface for users to view and explore locations available for photography sessions.
- **Usage:** The Map API is used in the application to display the locations of photo session venues. Users can interact with the map to see specific places, such as landmarks or studios, along with their details like contact information, address, and images. This feature enhances user experience by offering a visual and intuitive way to locate and select places for their sessions.

```
import React from 'react';
import { View, Text, Image, TouchableOpacity, ImageBackground } from 'react-native';
import Icon from "@expo/vector-icons/Entypo";
import MapView, { Marker } from 'react-native-maps'; // استيراد MapView
```

Figure 8:Map API

## Navigation API

- **Purpose:** To facilitate seamless movement between different pages and components within the application.
- **Usage:** The navigation system enables users to move intuitively through the app.

For instance:

- Users can navigate from the homepage to detailed location pages.
- Access their personal profiles.
- Switch between chat, notifications, and booking pages.

```
handlePress = ()=> {  
  this.props.navigation.navigate("Detail2");  
}
```

Figure 9:Navigation API

## Expo Location API

- **Purpose:** To access and utilize the user's geographical location within the application, enhancing features that rely on location-based services.
- **Usage:**
  - Retrieve the user's current location to personalize their experience.
  - Display nearby photography session locations.
  - Support map features, such as showing directions or pinpointing session locations.
  - Filter available photo shoot places based on the user's city or current location.

```
import * as Location from 'expo-location';
```

Figure 10:Expo Location API

## Document Picker Integration

- **Purpose:**
- The Document Picker API was implemented to allow users to upload files or documents, such as contracts, reference images, or additional session details, directly from their devices into the application.
- **Usage:**
  - Enable users to attach files in chats or booking details.
  - Allow photographers and location owners to upload images or documents, such as accessory details or venue specifications.

```
const handleFileChange = async () => {
  const result = await DocumentPicker.getDocumentAsync({
    type: ['application/pdf', 'image/jpeg', 'image/png'],
  });
  if (result.type === 'success') {
    setFormData({ ...formData, permit: result });
  }
};
```

Figure 11: Document Picker Integration

### 3.3.2 API Testing with Postman

- **Purpose:**  
Postman was used extensively to test and validate the functionality of APIs related to **real-time chat** and **notifications**. This ensured that the system delivered reliable and accurate communication features.
- **Usage Scenarios:**

#### Chat API Testing:

- Verified message delivery between users (e.g., customers, photographers, and place owners).
- Tested endpoints for sending and retrieving messages in real-time.
- Ensured that attachments, such as images or files, were successfully uploaded and displayed.

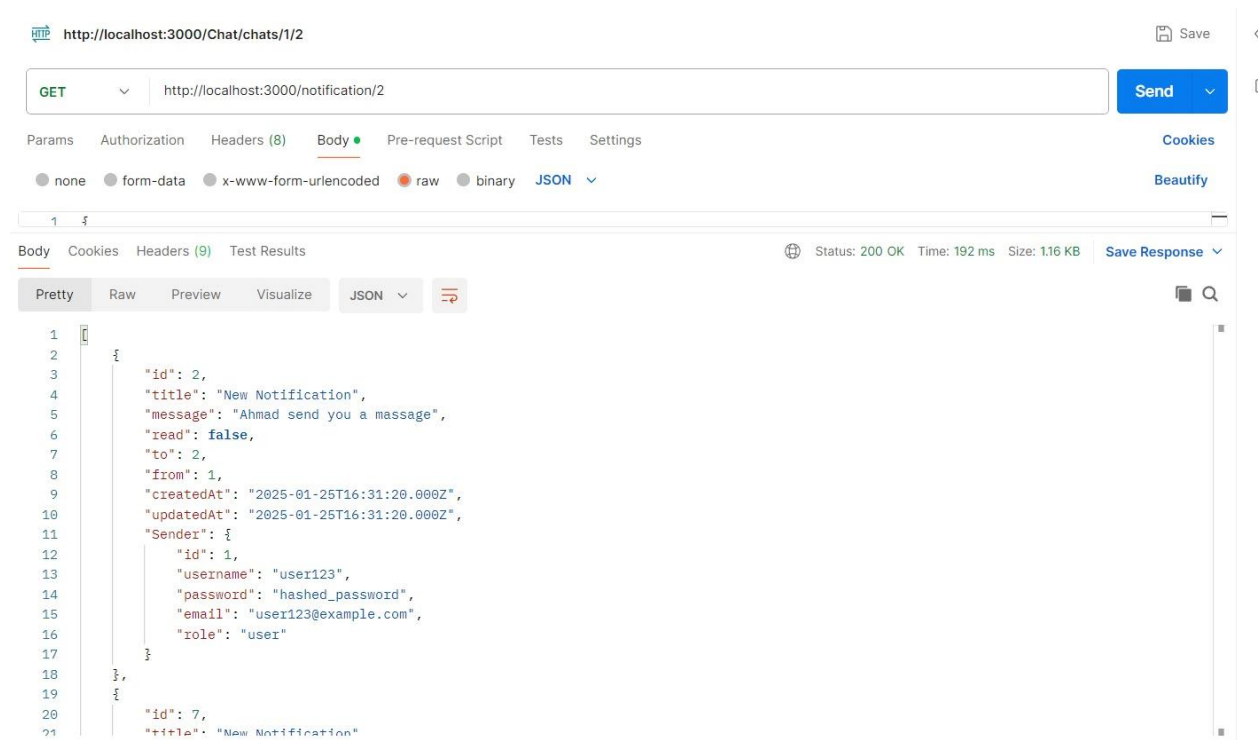


Figure 12: Chat API Testing

## Notifications API Testing:

- Ensured users received appropriate notifications for new messages, booking reminders, or updates.
- Tested the delivery of push notifications to the intended recipients.

The screenshot displays a REST client interface for testing a notification API. The URL is `http://localhost:3000/notification/`. The request method is `POST`. The request body is a JSON object:

```
1 {
2   "title": "New Notification",
3   "message": "masa send you a massage",
4   "to": 1, "from": 2
5 }
```

The response status is `201 Created`, with a time of `308 ms` and a size of `486 B`. The response body is a JSON object:

```
1 {
2   "read": false,
3   "id": 10,
4   "title": "New Notification",
5   "message": "masa send you a massage",
6   "to": 1,
7   "from": 2,
8   "updatedAt": "2025-01-26T20:51:37.505Z",
9   "createdAt": "2025-01-26T20:51:37.505Z"
10 }
```

Figure 13: Notifications API Testing

# Chapter 4: System Features and Implementation

## 4.1 Home page

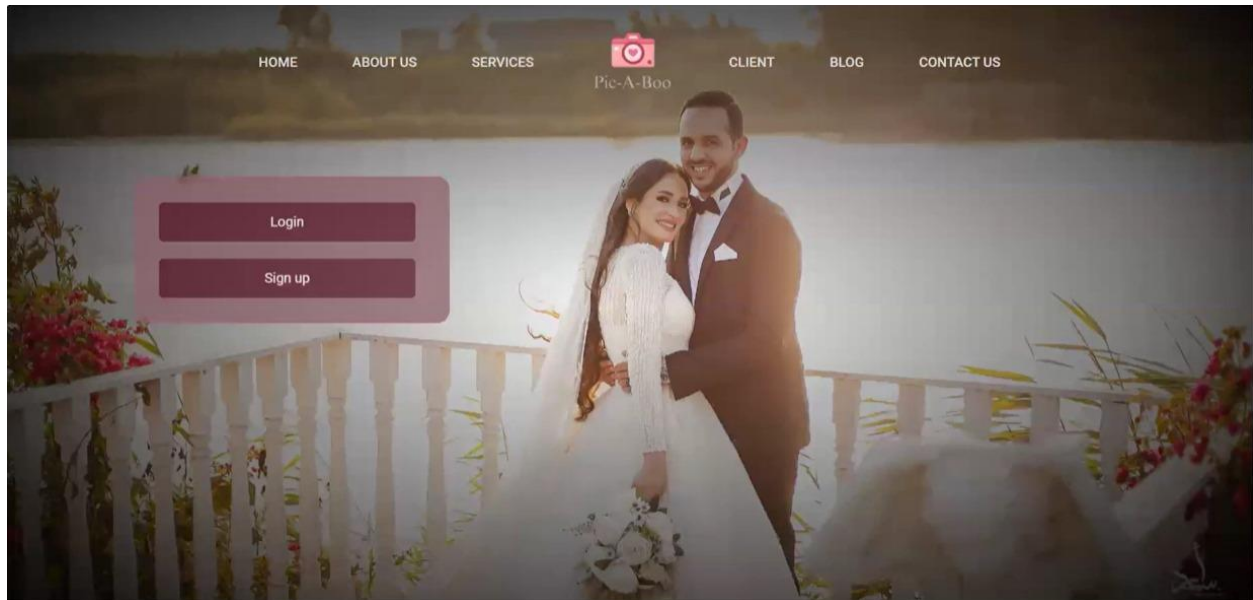


Figure 14: Home page

## WE CAPTURE THE MOMENTS

At Capturer, we specialize in freezing those fleeting moments in time that hold immense significance for you. With our passion for photography and keen eye for detail, we transform ordinary moments into extraordinary memories.

Whether it's a milestone event, a candid portrait, or the breathtaking beauty of nature, we strive to encapsulate the essence of every moment, ensuring that your cherished memories last a lifetime. Trust us to capture the magic of your life's journey, one frame at a time.



Pic-A-Boo

### ~ PORTFOLIO ~

Figure 15: About us

### ~ TESTIMONIALS ~



Capturer exceeded all our expectations! Their attention to detail...

**Sarah and Michael**

### ~ GALLERY ~



Figure 16: Gallery

~ PORTFOLIO ~



Figure 17:Portfolio



~ SERVICES ~

At Capturer, we offer a range of professional photography services tailored to meet your unique needs. With a commitment to excellence and creativity, we strive to exceed your expectations, delivering captivating visuals that tell your story with authenticity and passion.

Portrait Sessions

Our portrait sessions are designed to showcase your personality and style in stunning imagery.

Maternity Sessions

Embrace the beauty and miracle of new life with our maternity and newborn photography sessions.

Family Sessions

Cherish the bond of family with our custom-designed playful candid moments and portrait sessions.

Figure 18:Services

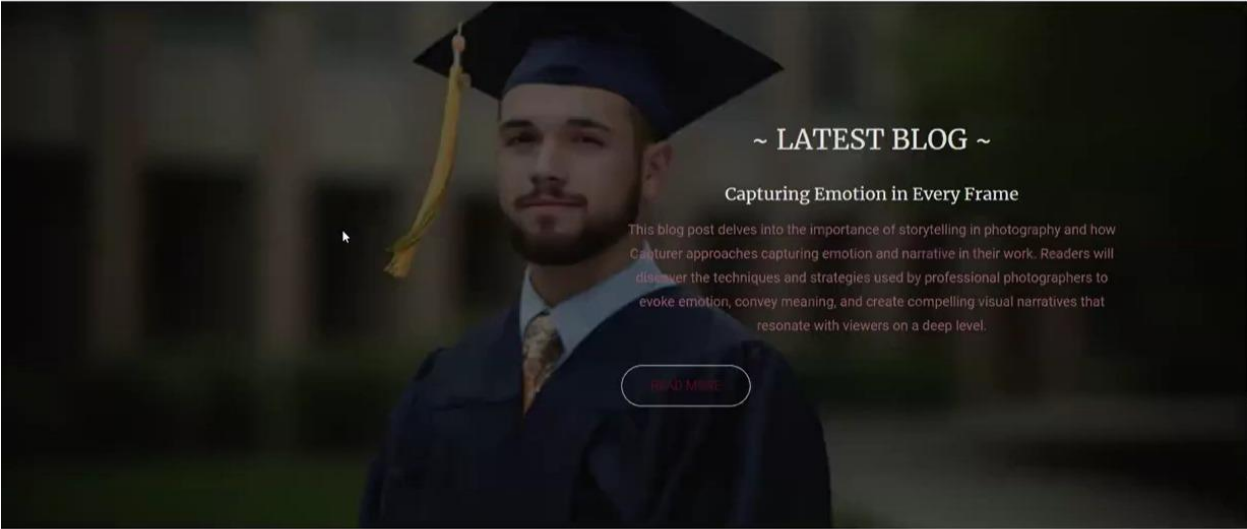


Figure 19:Blog

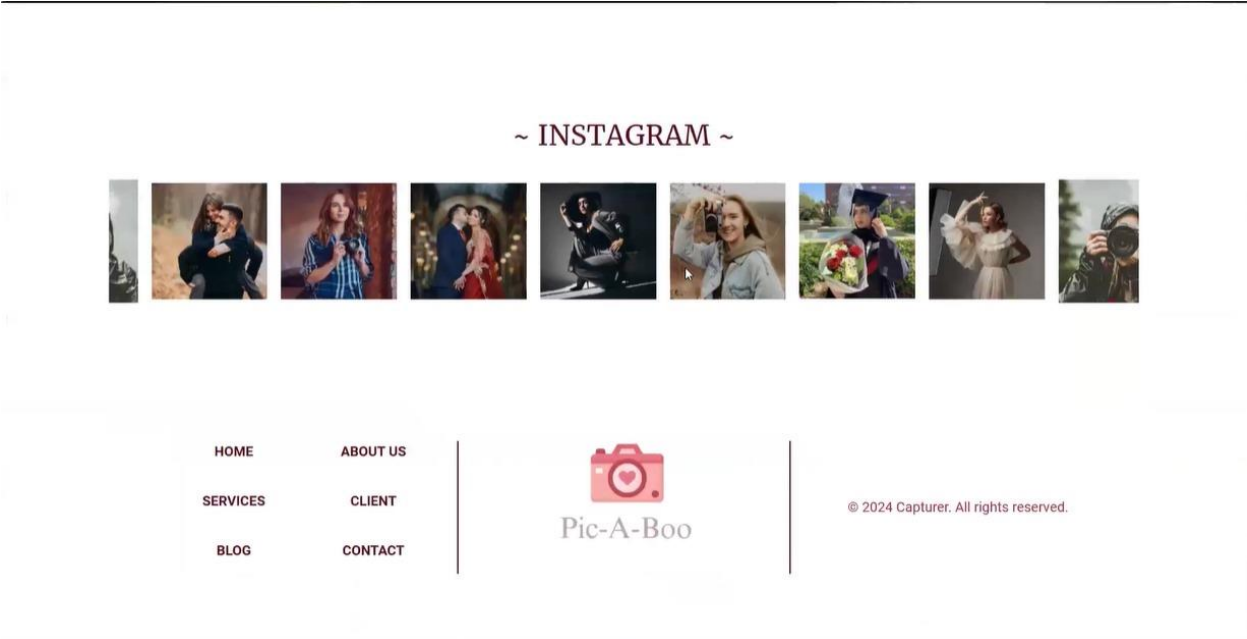


Figure 20:Contact Us

## 4.2 Login and Registration feature

### 4.2.1 Log in

To have access to all the services included in the application, the user must sign in. In this case, the correctness of the entered data both topical and identifier is checked, as well as the match to the account registered earlier using the username and password combination. If the password entered is not the right one as registered for the user, then a message saying that the password entered is wrong will be shown. In case of the new user, they must register the help of the registration button that is placed on the same screen to access the application's services. In our application, there are four types of users who can access the platform: the customer, the photographer, the owner of the photo session location, and the admin. Each user type has their account page created to display the information or services a typical user in that role would need. Altogether these provisions make its use perspective smooth and coherent with the execution of the application.

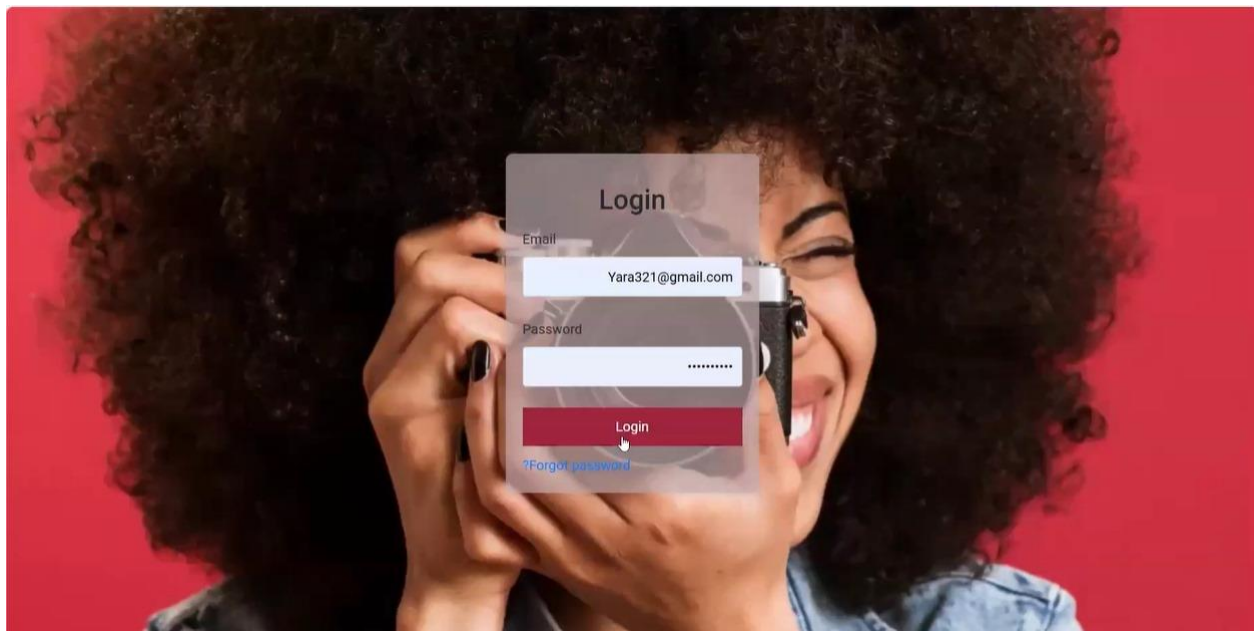


Figure 21:Log in

## 4.2.2 Login and Register Error Notification

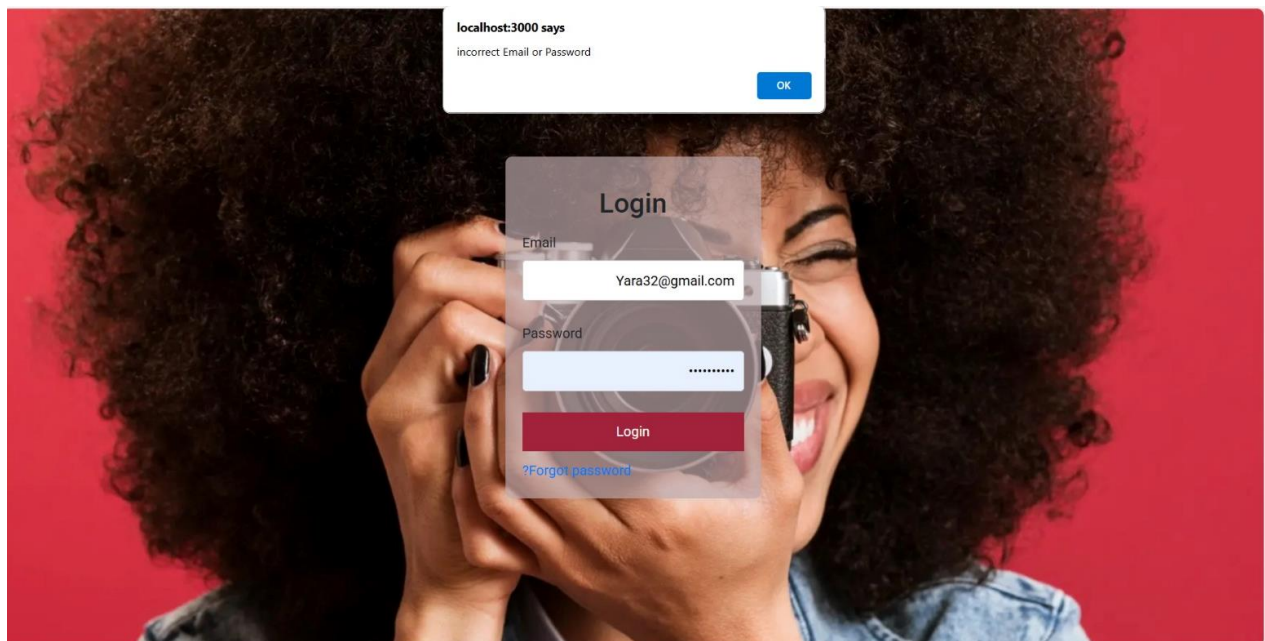


Figure 22:incorrect Password or Email

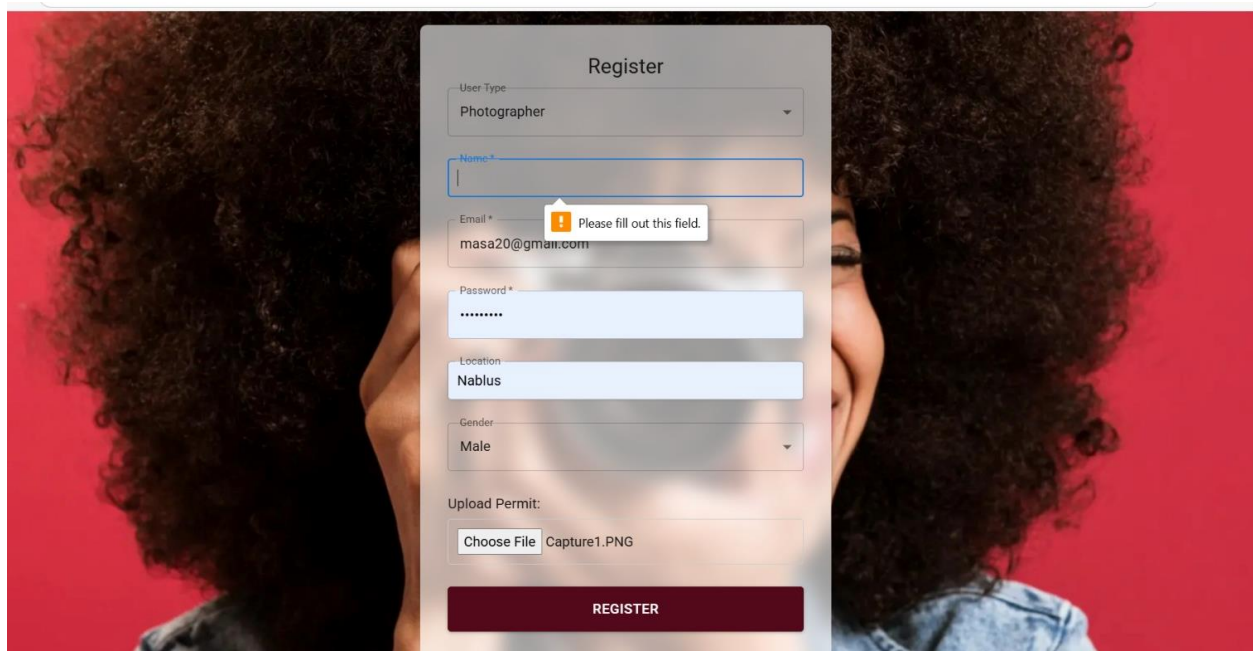


Figure 23:fill out the fields

### 4.2.3 User Type Selection

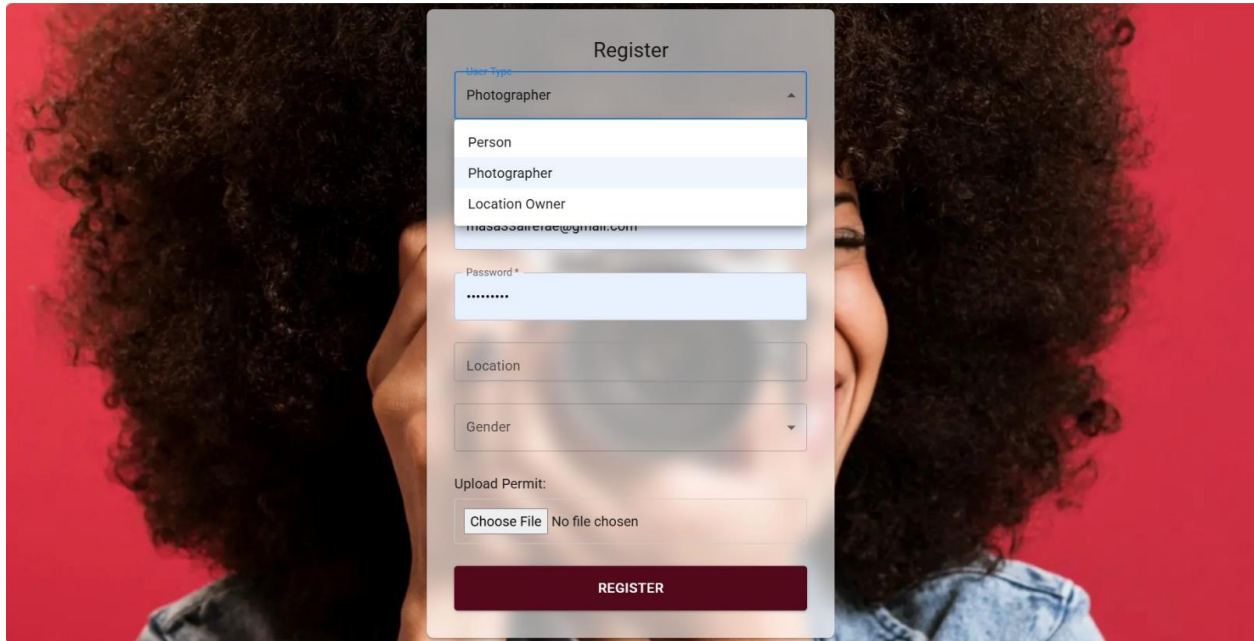


Figure 24: User Type Selection

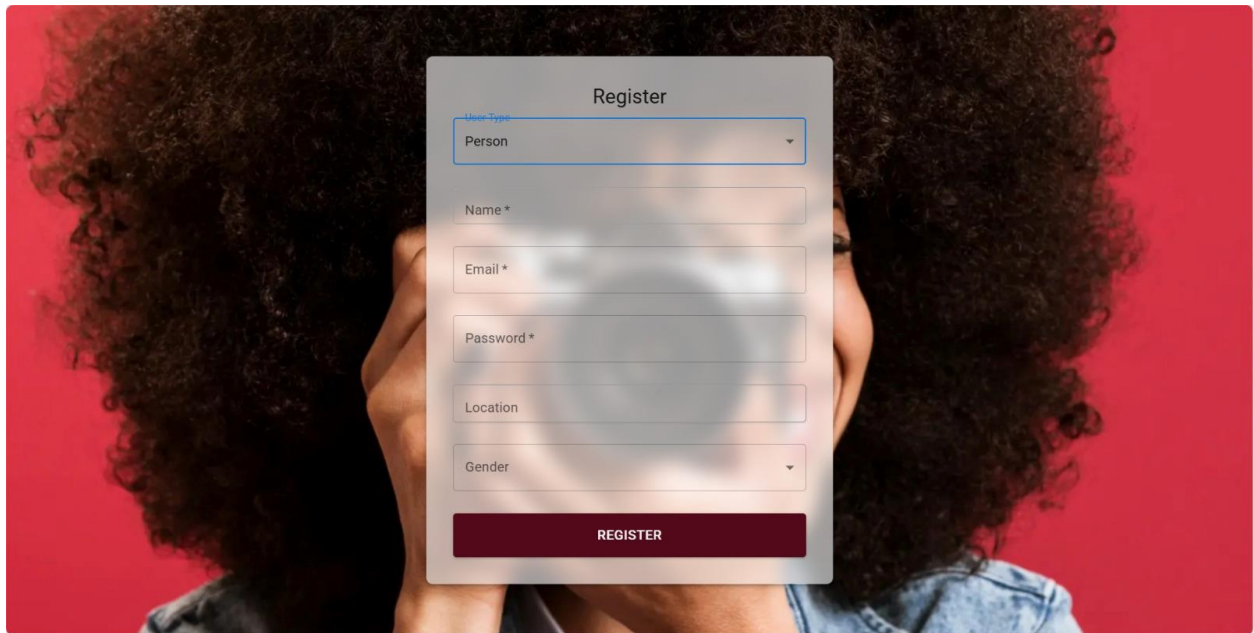


Figure 25: Client Register

The image shows a registration form titled "Register" overlaid on a background image of a woman with curly hair. The form contains the following fields and elements:

- User Type:** A dropdown menu with "Photographer" selected.
- Name \*:** A text input field.
- Email \*:** A text input field.
- Password \*:** A text input field.
- Location:** A text input field.
- Gender:** A dropdown menu.
- Upload Permit:** A section containing a "Choose File" button and the text "No file chosen".
- REGISTER:** A dark red button at the bottom of the form.

Figure 26:Photographer Register

## 4.3 User's Screen and Features

### 4.3.1 Home screen

After logging in as a customer, filters appear at the top of the page. These filters allow the customer to specify criteria for searching photographers based on specific requirements or preferences.

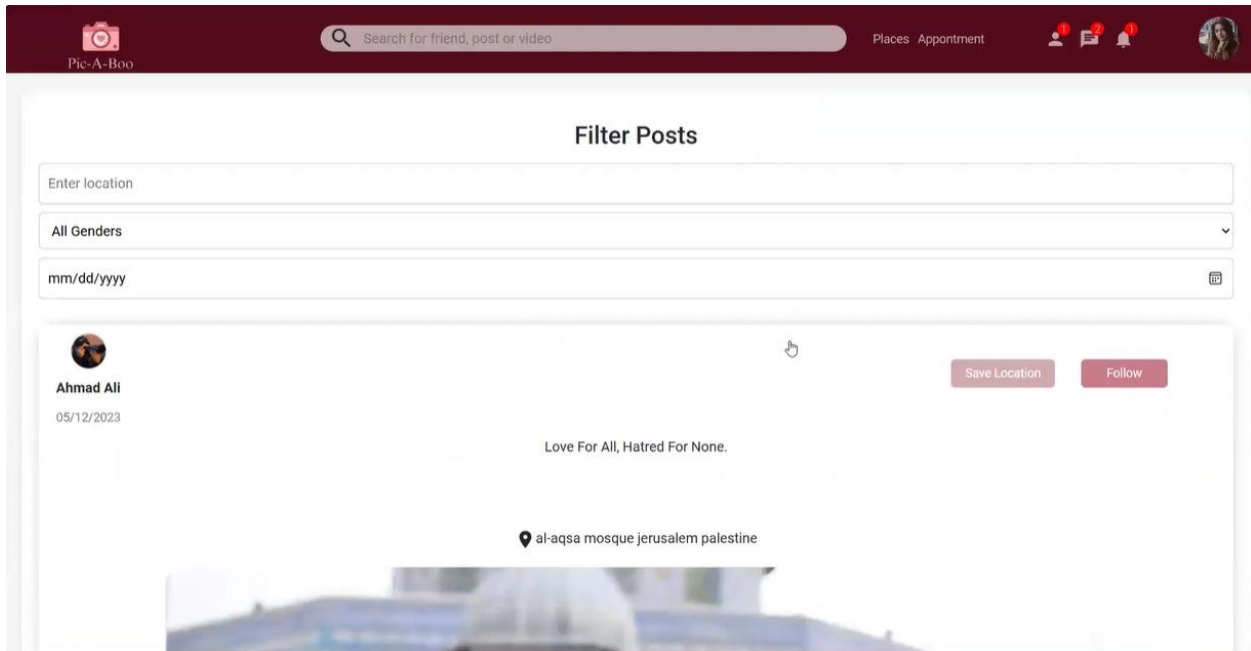


Figure 27:Users Home page

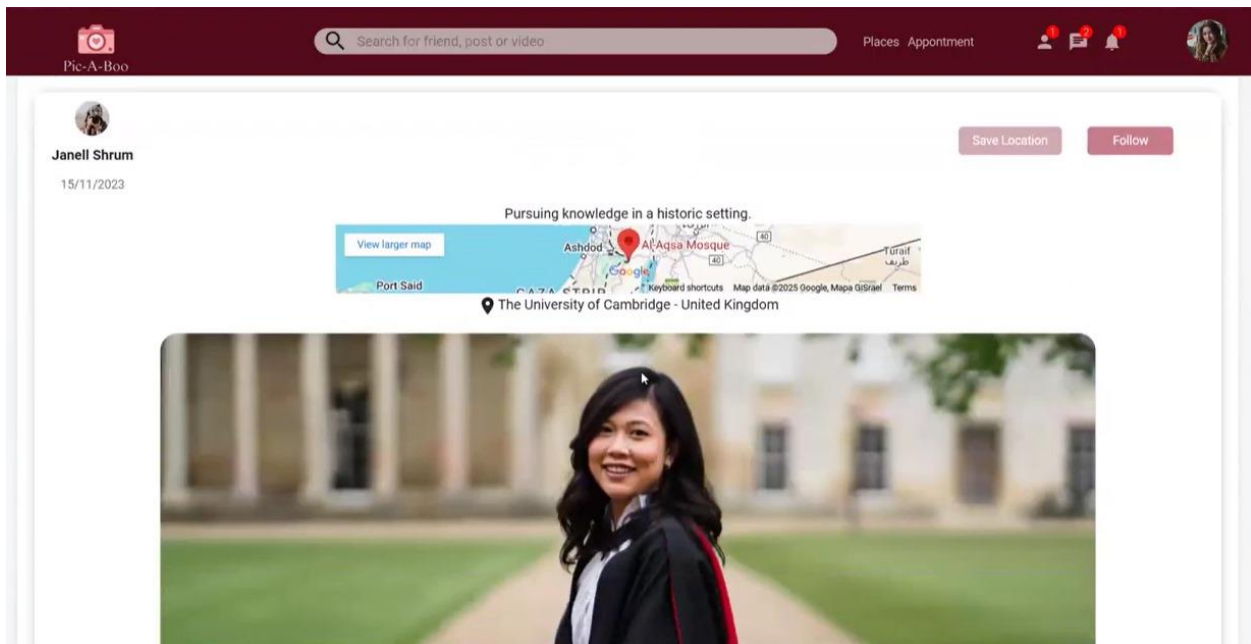


Figure 28:Home page posts

### 4.3.2 Posts Filtering

The navigation bar also allows users to filter posts to display those by female photographers only, male photographers only, or to showcase photography sessions in specific locations, such as Al-Aqsa Mosque. Additionally, users can filter posts by date for more tailored results.

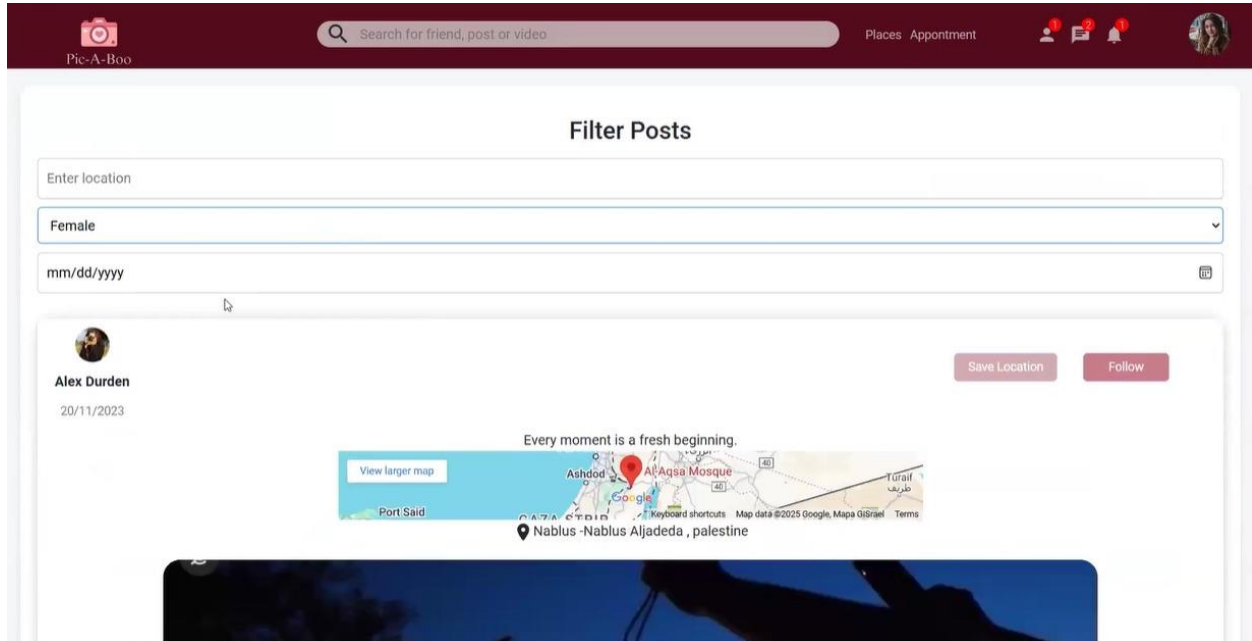


Figure 29: Filter posts by gender or date

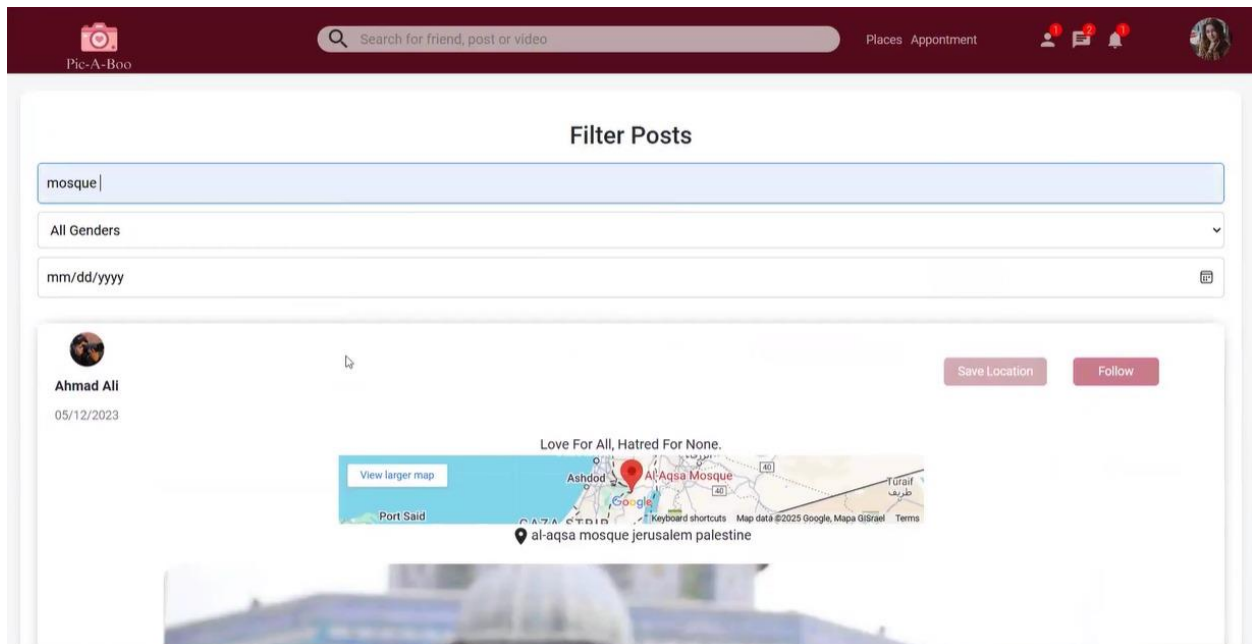


Figure 30: Filter posts by location

### 4.3.3 Location Save Confirmation

The navigation bar also displays notifications, such as new messages or reminders about upcoming photo session dates. Users can easily access various features from the navigation bar, including chats, location profiles, and appointment searches. Each feature will be explored in more detail later.

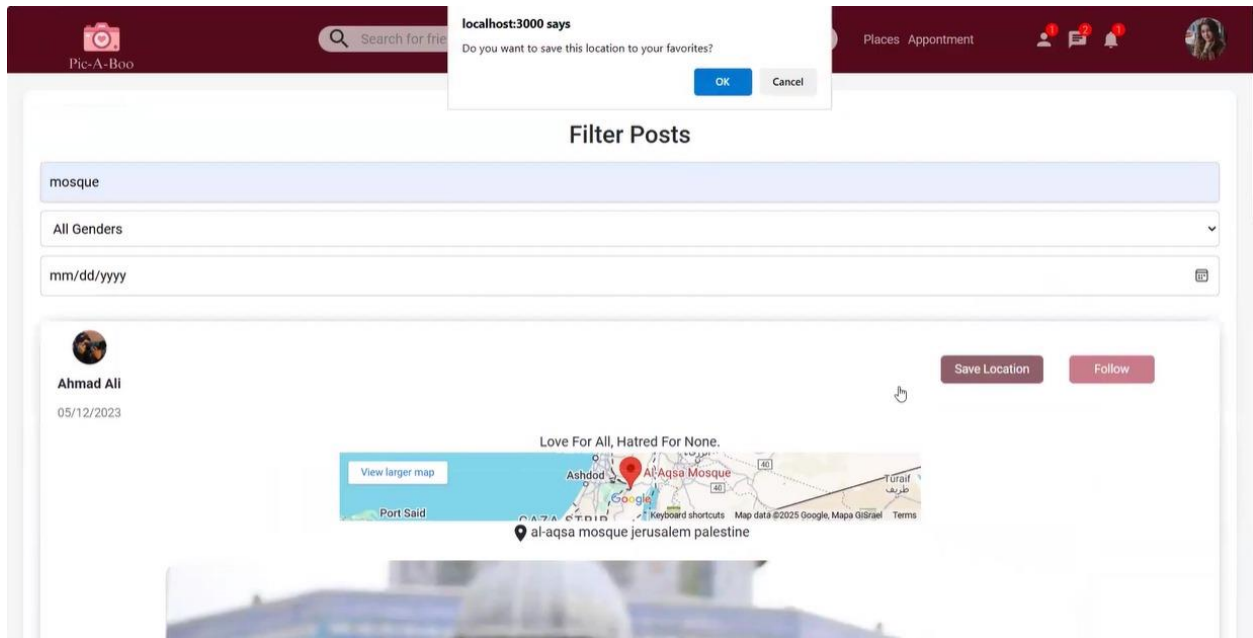


Figure 31: Save location



Figure 32: Location has been saved

### 4.3.4 Follow Confirmation

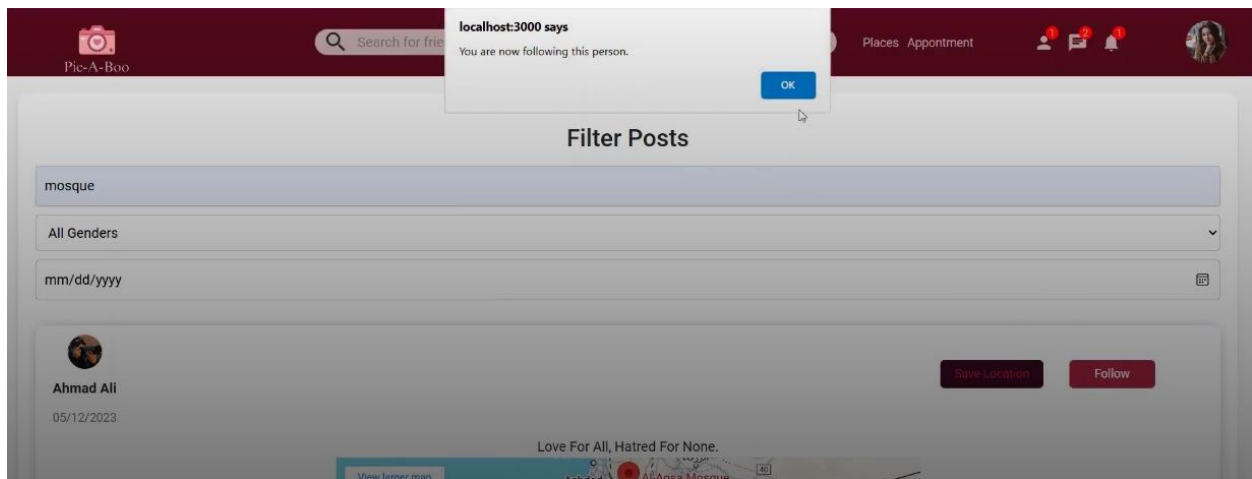


Figure 33:Follow

### 4.3.5 Map Integration for Location Selection

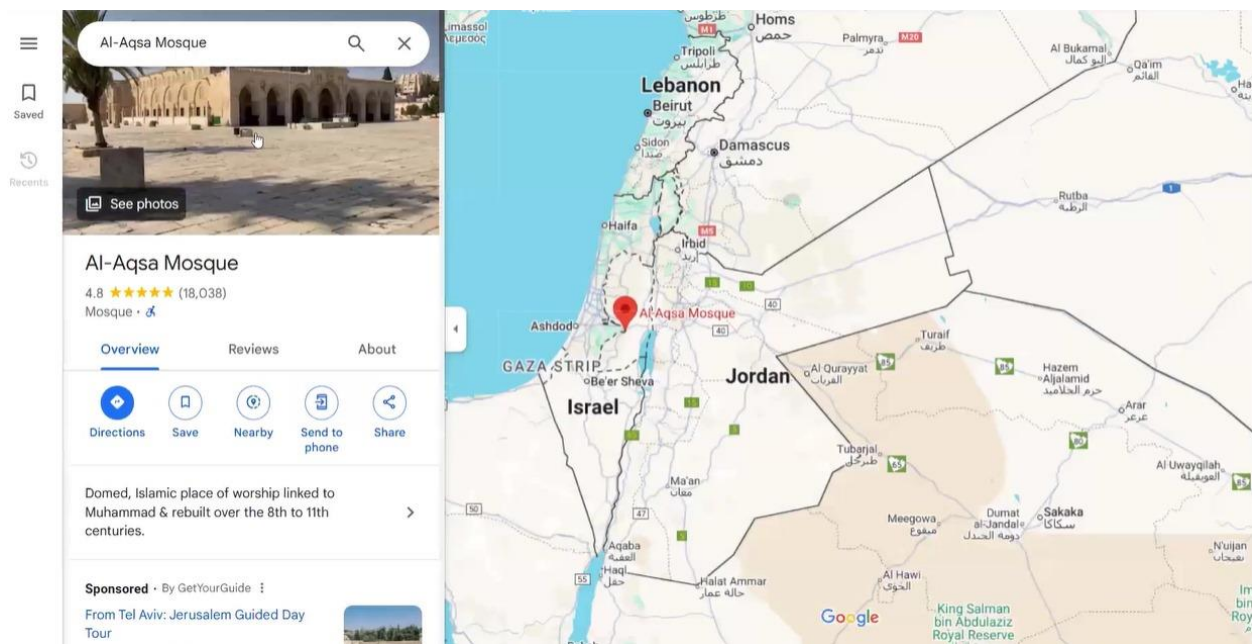


Figure 34:5 Map Integration for Location Selection

Pic-A-Boo

Search for friend, post or video

Places Appointment

### Filter Posts

mosque

All Genders

mm/dd/yyyy

tala send you a message

remember you that you have session today

**Ahmad Ali**  
05/12/2023

Save Location Following

Love For All, Hatred For None.

View larger map

Port Said Ashdod Al-Aqsa Mosque Tulkarm طبريف

al-aqsa mosque jerusalem palestine

Figure 35: Notification

### 4.3.6 Photographer Profile Interaction

When a customer reaches out to the photographers, they redirect to the photographer's personal page. There is a current button on this page for a photo session, as well as some details about the photographer, his/her social networks, and the portfolio. Such samples enable the customer to see other works done by the photographer meaning the customer can judge the kind of work the photographer can offer. In this aspect, the page also includes some prop accessories made available by the photographer for such occasions as weddings, graduation and other occasions.



Figure 36: View photographer profile

~ Matereal ~



Graduation



Weddings



Fashions

Figure 37: Photographer Accessories



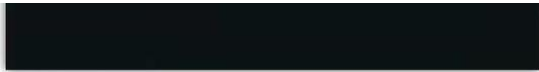
AMAZING TEAM WORK WITH PROFESSIONAL PHOTOGRAPHER

Lorem ipsum dolor sit amet consectetur adipiscing elit. Atque ducimus laboriosam facilis repudiandae neque minus in corrupti consequatur illum placeat nam libero adipisci quidem doloribus, numquam eius delectus quaerat omnis illo earum necessitatibus natus soluta deserunt iusto. Modi, soluta quos.

[VIEW ALL](#)



Figure 38: About photographer



"Taking an image, freezing a moment, reveals how rich reality truly is."

## FOLLOW ON INSTAGRAM

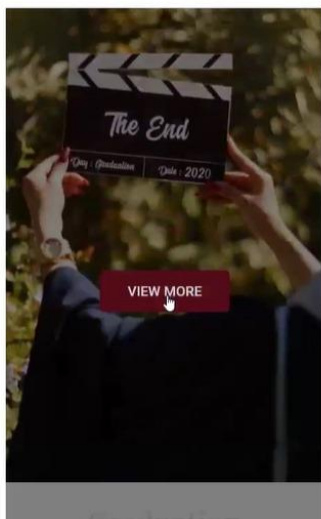
@Ahmad\_Ali



Figure 39: Contact photographer

When the user clicks on "View More," they can explore examples of the accessories provided by the photographer. The client can easily navigate through the photos in a smooth and user-friendly manner, allowing them to view all available options before booking the session.

~ Matereal ~



Wedding



Fashion

Figure 40: click "view more"

### Photography Equipment



Figure 41:View Accessories(1)

### Photography Equipment



Figure 42:View Accessories(2)

### 4.3.7 Appointment Booking

When the user clicks on the "Book an Appointment" button, they will see the available session times with the photographer. After selecting a suitable session time, a screen will appear to fill in the reservation details. Once the information is completed, the user can click "Save" to confirm the booking. If the user clicks on a previously booked photography appointment, options will appear, allowing them to delete the appointment if desired.

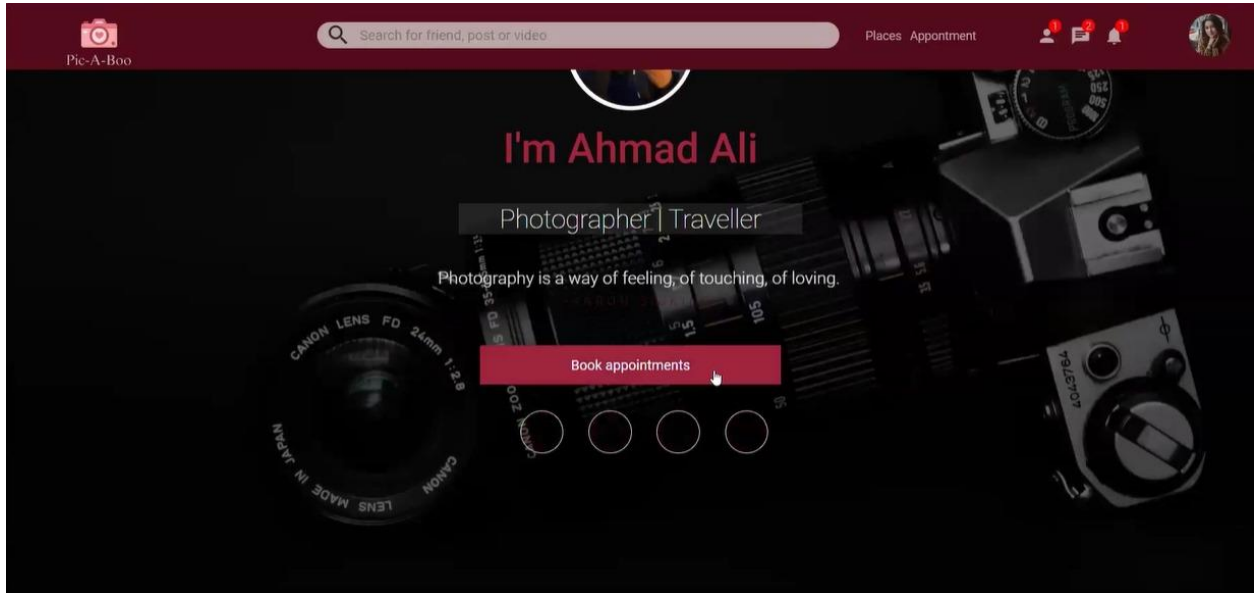


Figure 43: Book photographer appointment

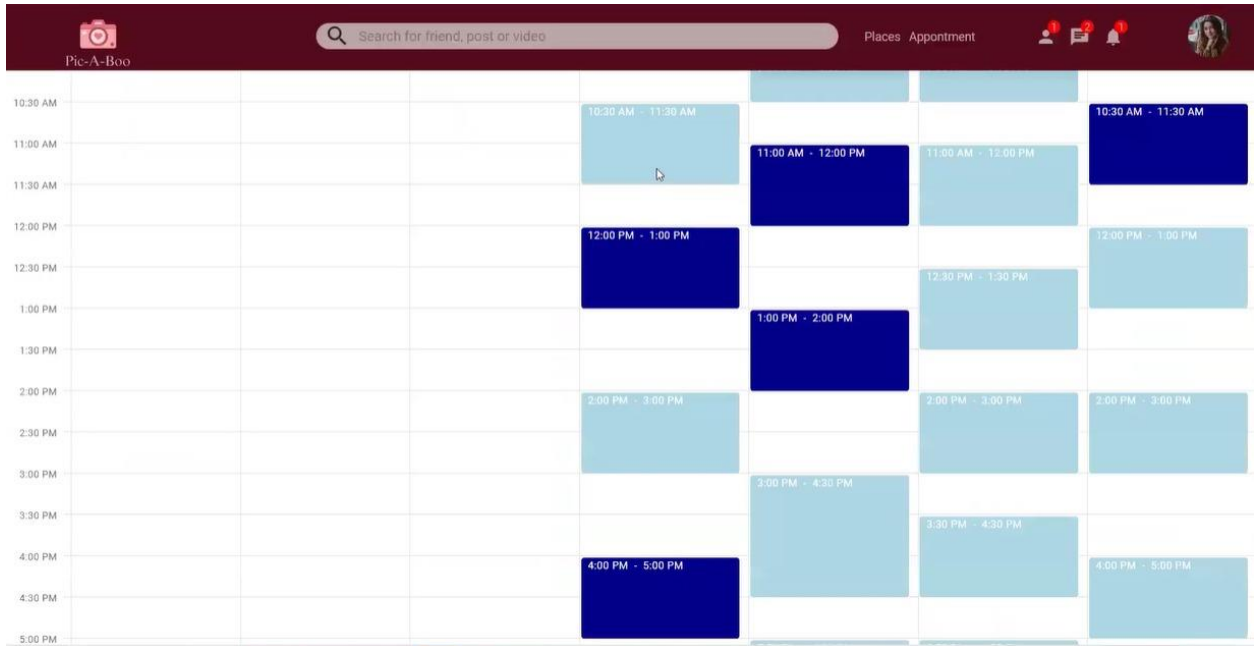


Figure 44: Select time

When the user clicks on the "Book an Appointment" button, the available session times with the photographer will be displayed. Upon selecting a suitable session time, a screen will appear for the user to fill in the reservation details. After entering the required information, the user can click "Save" to confirm the booking. If the user clicks on an already booked photography appointment, options will appear, allowing them to choose whether to delete the appointment or keep it.

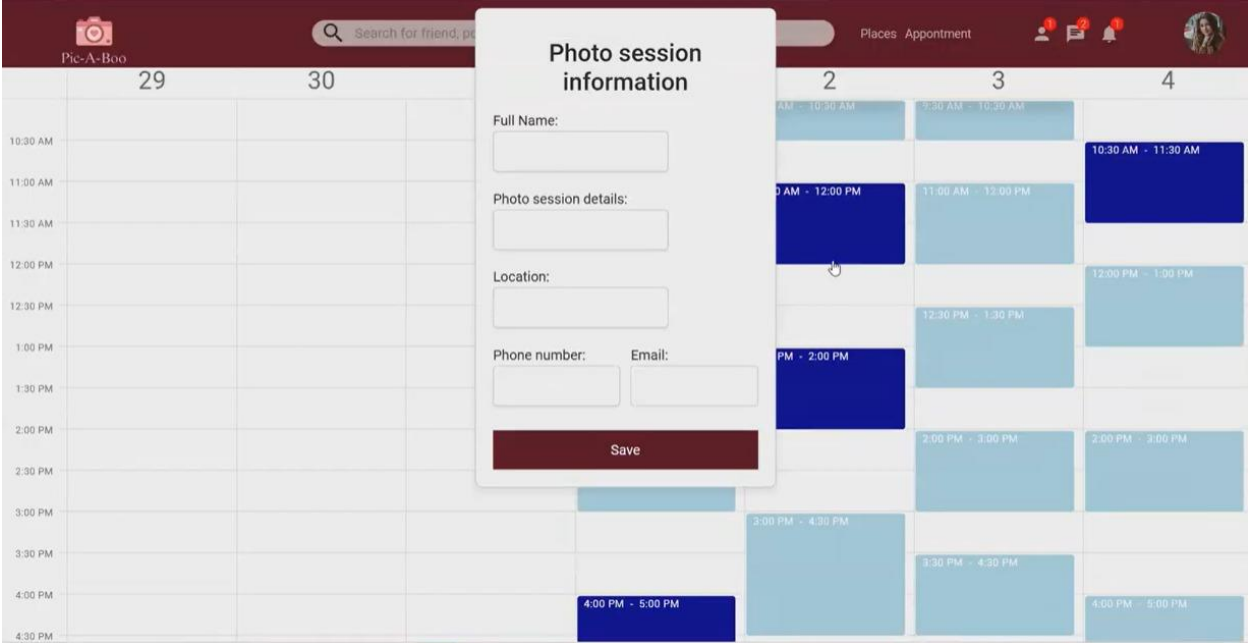


Figure 45:fill information

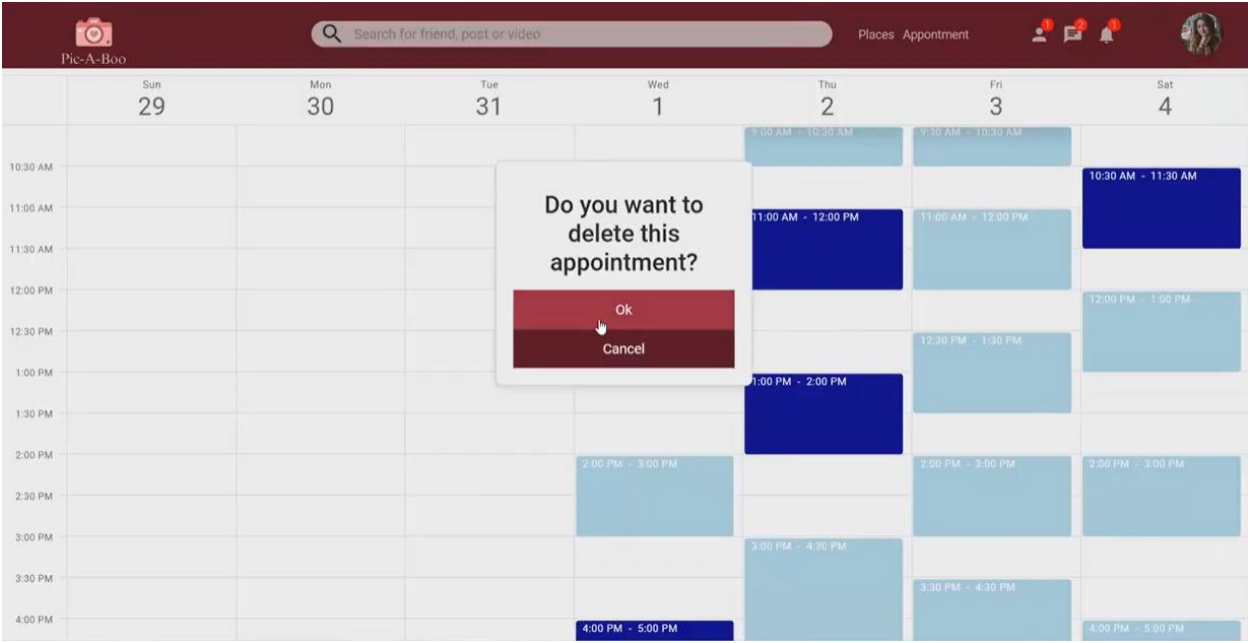


Figure 46:Delete appointment

### 4.3.8 User Profile Management

This is done by clicking at the users photo on the homepage of the account and then going to the profile account name. Here the customer can check the list of scheduled photography sessions and details of the session where the customer has booked a slot. Also, it shows the addresses that have been saved in “Favorite Locations” tab. The customer is again free to remove the location by clicking the bin icon that is close to the photo of the location to be deleted. They also contain the customer’s personal information that includes the name, phone number, location and an email address. Customers can change their name or other information at the account by clicking the “Update” button, the relevant changes, and then click the “Save” button to set this update as final.

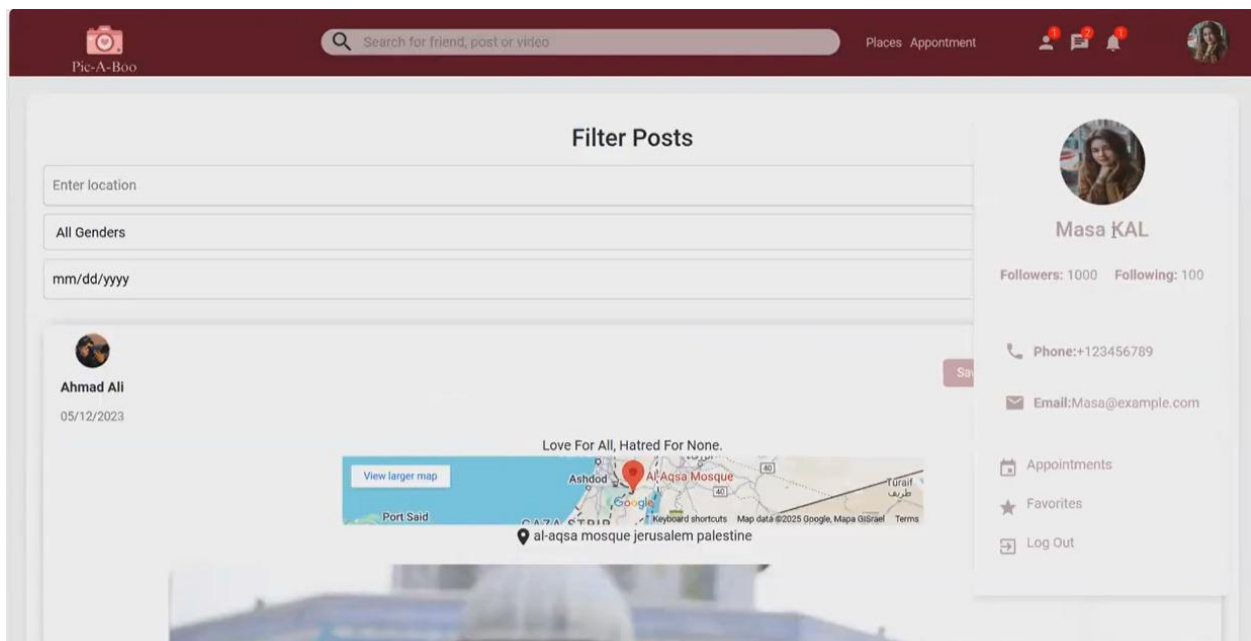


Figure 47: User Profile Management

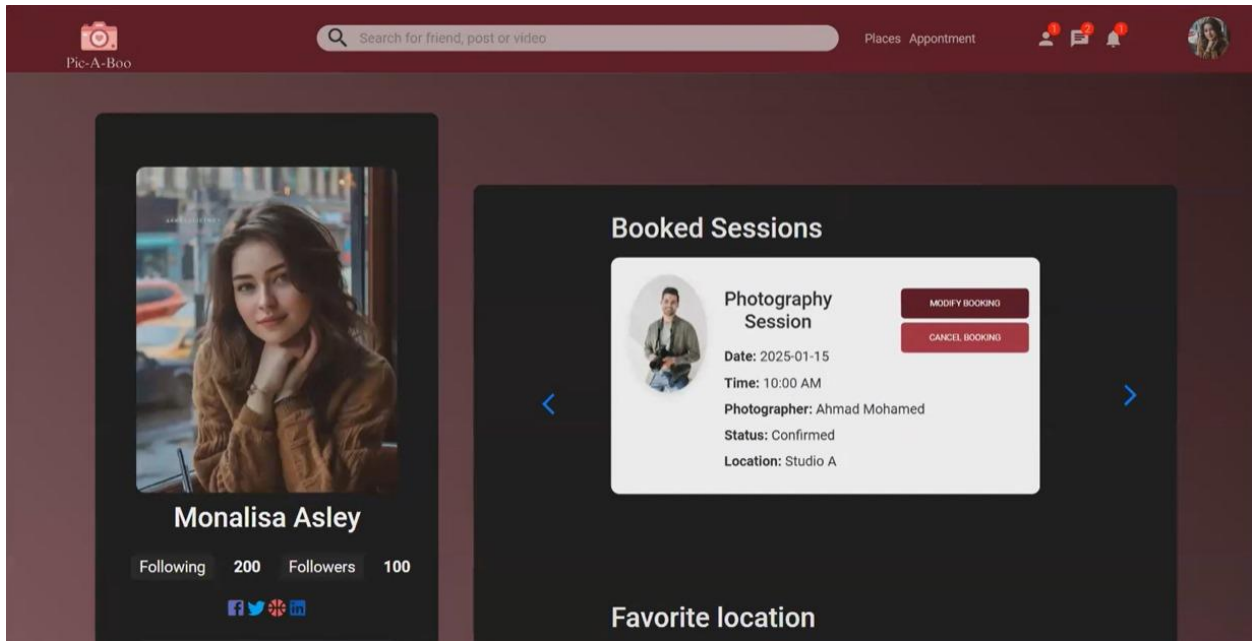


Figure 48: Client Profile (Booked sessions)

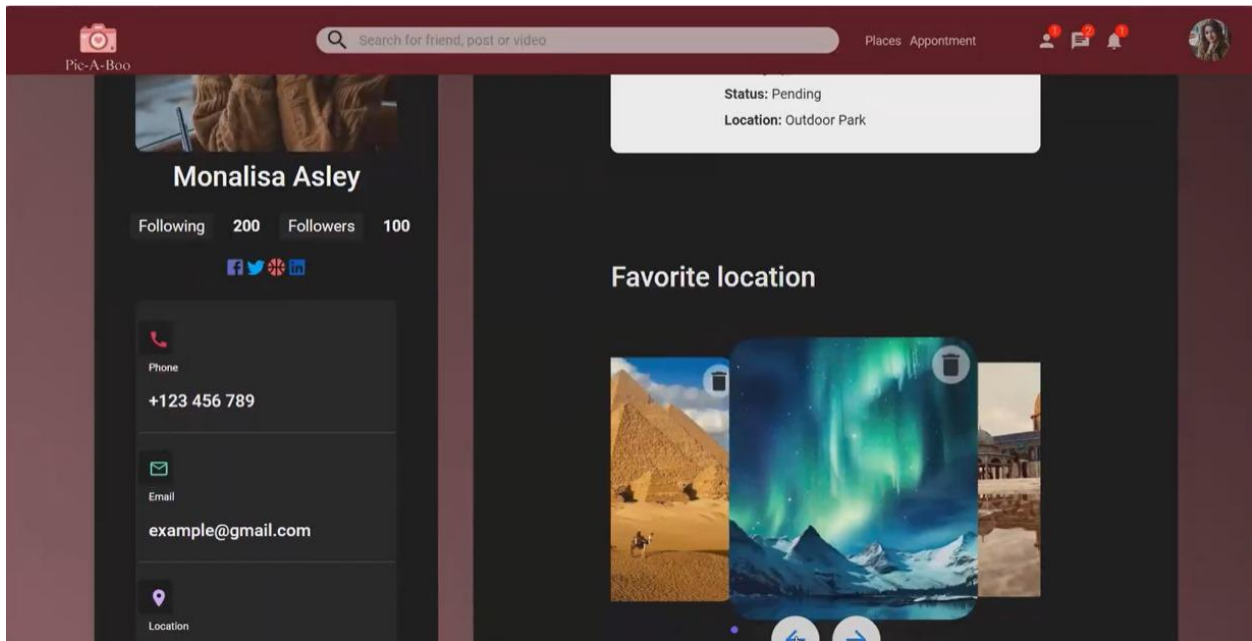


Figure 49: Client Profile (Favorite Locations)

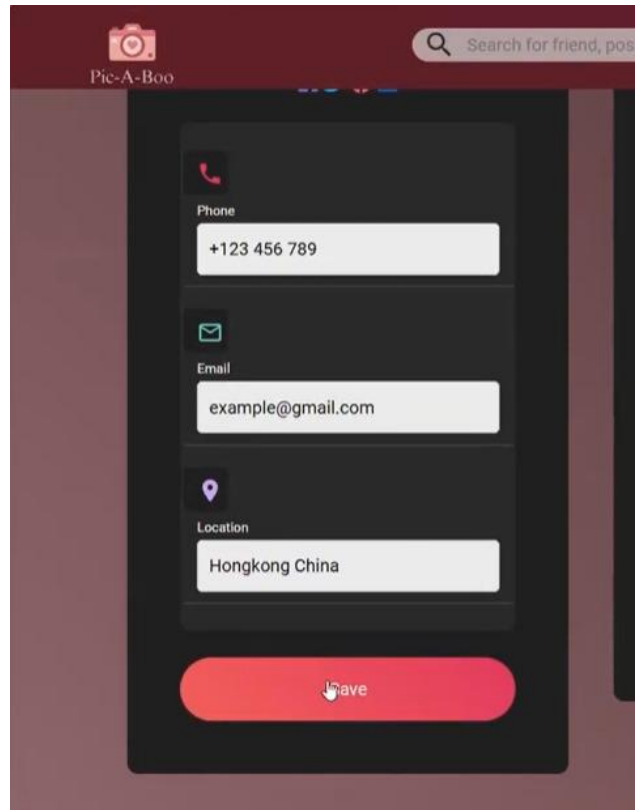
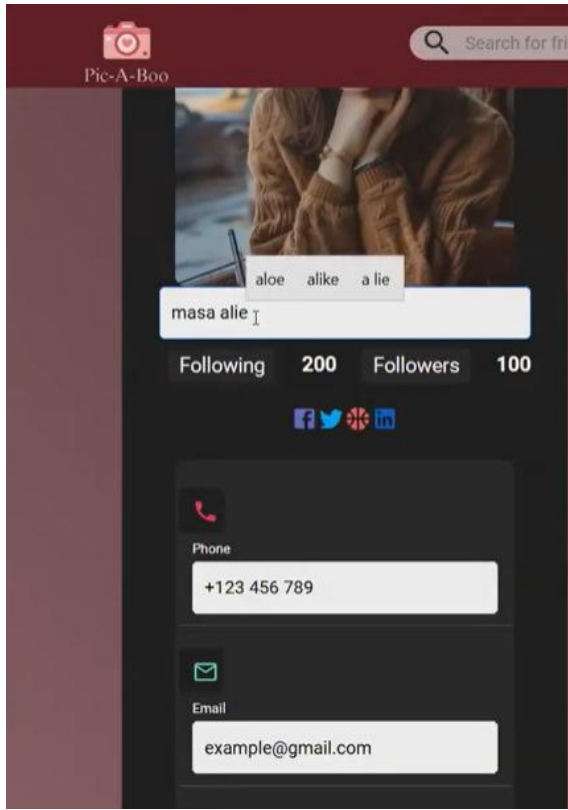


Figure 50: Client Profile (Edit user information)

### 4.3.9 Life Chat with file attachment

When the customer moves the pointer on the chat-box on the navigation bar, he is taken to the conversations. Here, the customer can call photographers or owners of photo shoot locations, or ask questions, make requests or decide. Also, by using the “Attach a File” button in the conversation list, the customer can take a picture or browse a file and send it to the recipient. It enables the user to request changes, seek similar images or make a specific demand because of the conversation in the chat in accordance with the discourse and consensus achieved in the conversation.

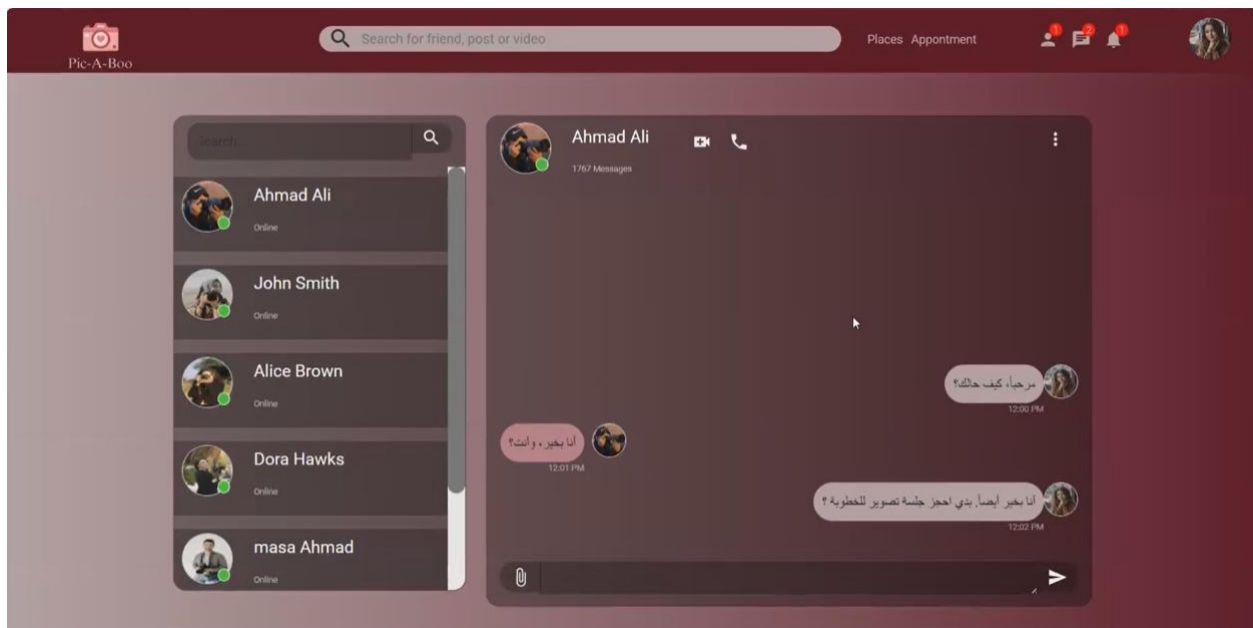


Figure 51:Life Chat

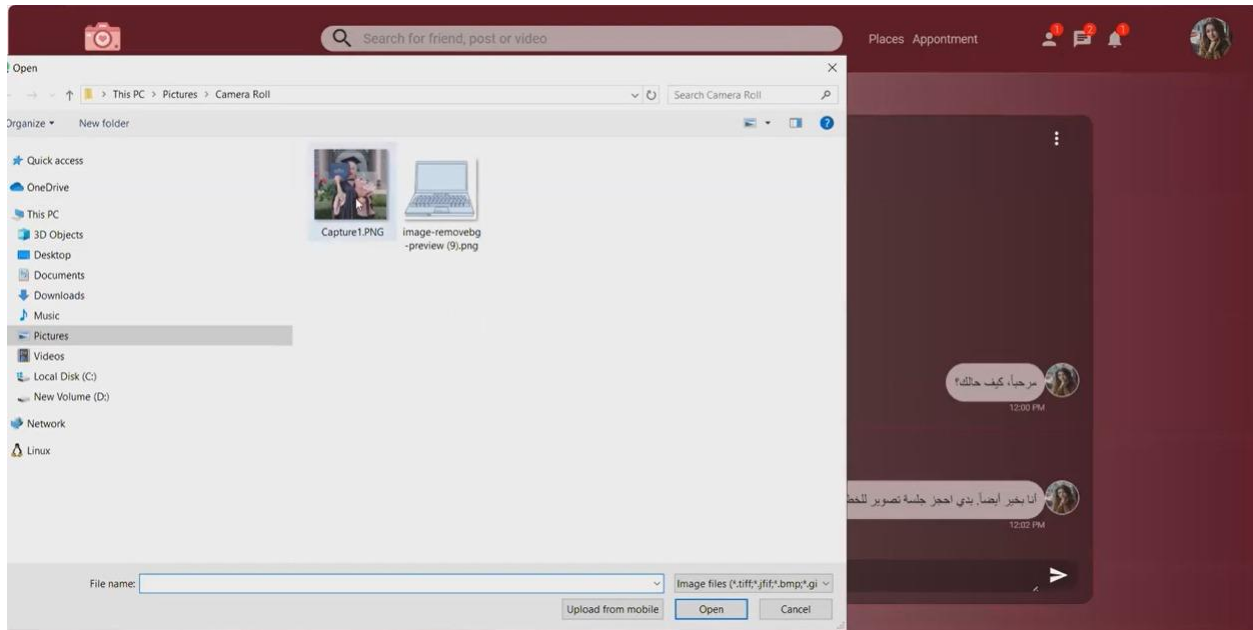


Figure 52: file attachment

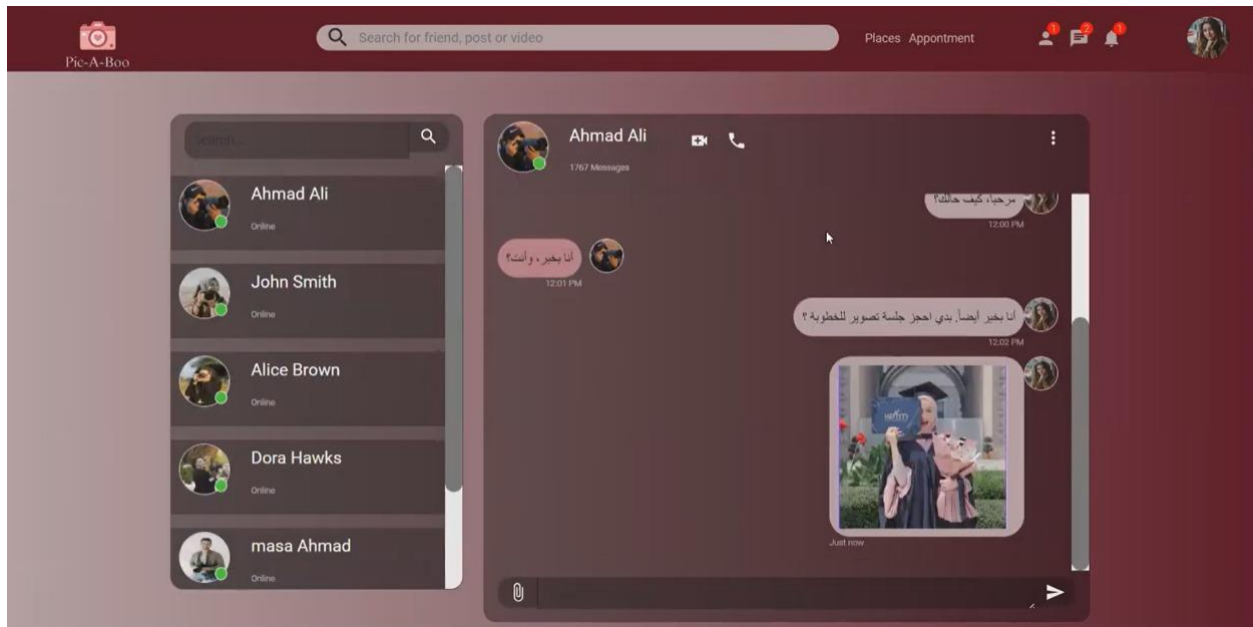


Figure 53:Life Chat with file attachment

### 4.3.10 Location Browsing and Booking

If the customer clicks on “Places” he or she will be able to see available locations for photo sessions. It also has a feature for searching for specific locations so venues for a photo shoot within a selected city for instance will be pulled out. When choosing a certain area, the customer receives the information about the area including the address, the phone number and the photos of the place. It is fast for the customer to navigate around the images to view all of them. When the customer clicks on the “Book an Appointment,” button, the dates and time of booking possibilities will be displayed. In case a particular time slot of choice is taken, the customer will be presented with a field to fill out the booking details. The booking will then be confirmed after the information has been saved into the database. Further, in the same drop-down menu the customer is also able to cancel the booking by selecting it and clicking on “Delete”.

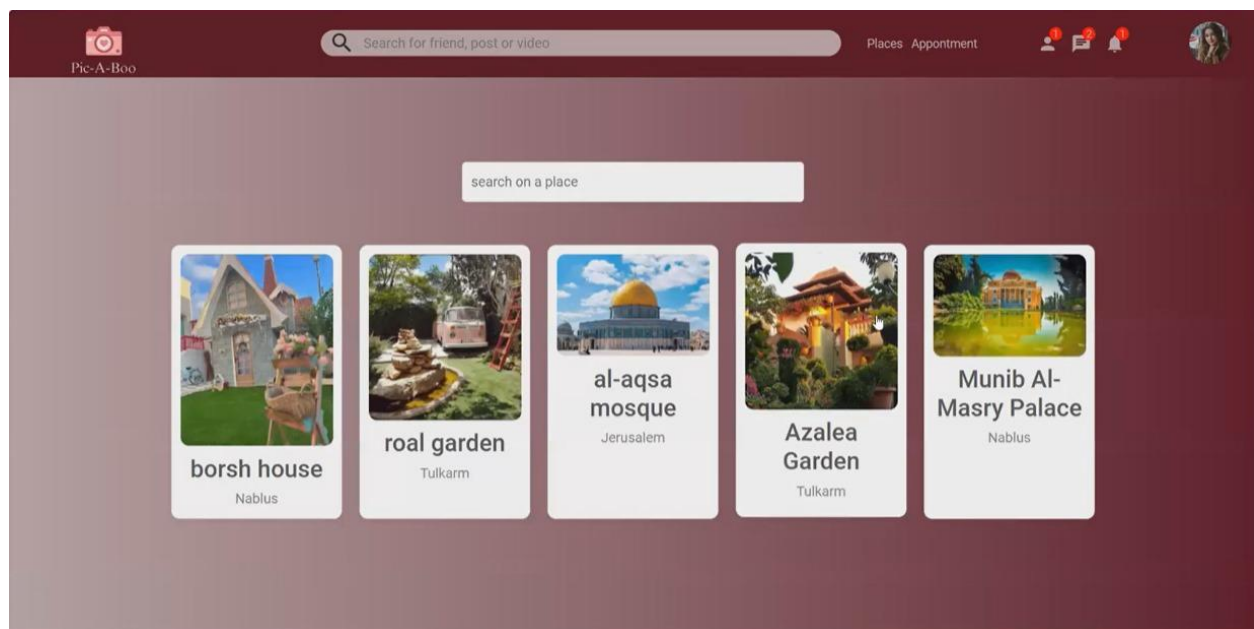


Figure 54:Location Browsing

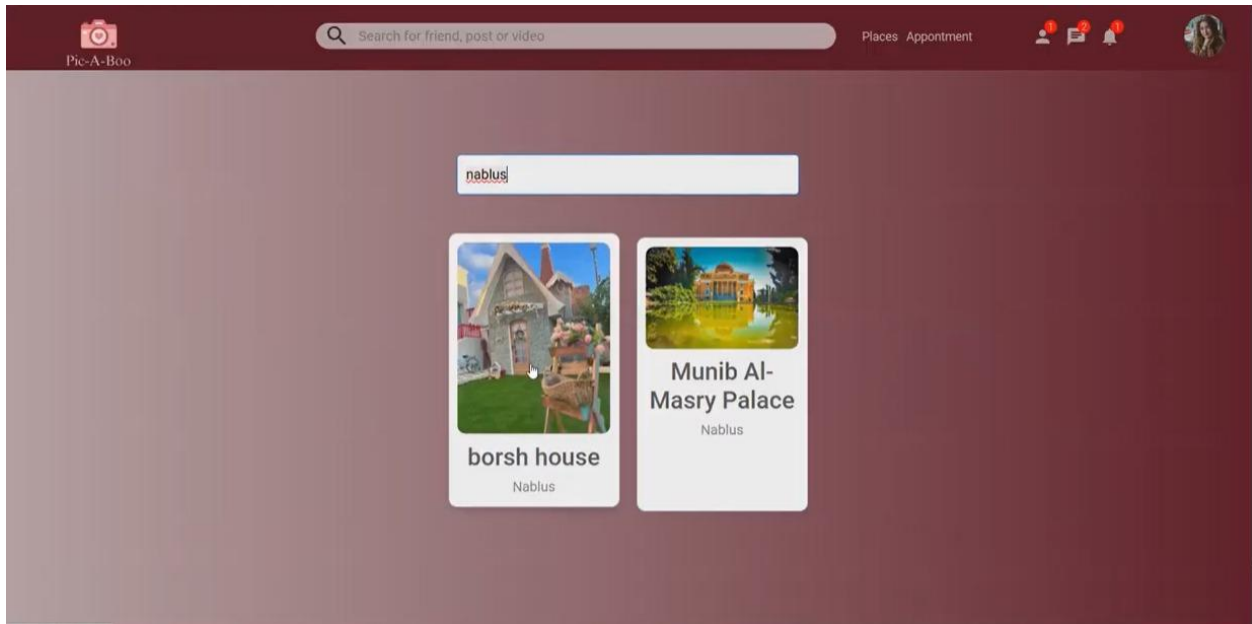


Figure 55: Search by location

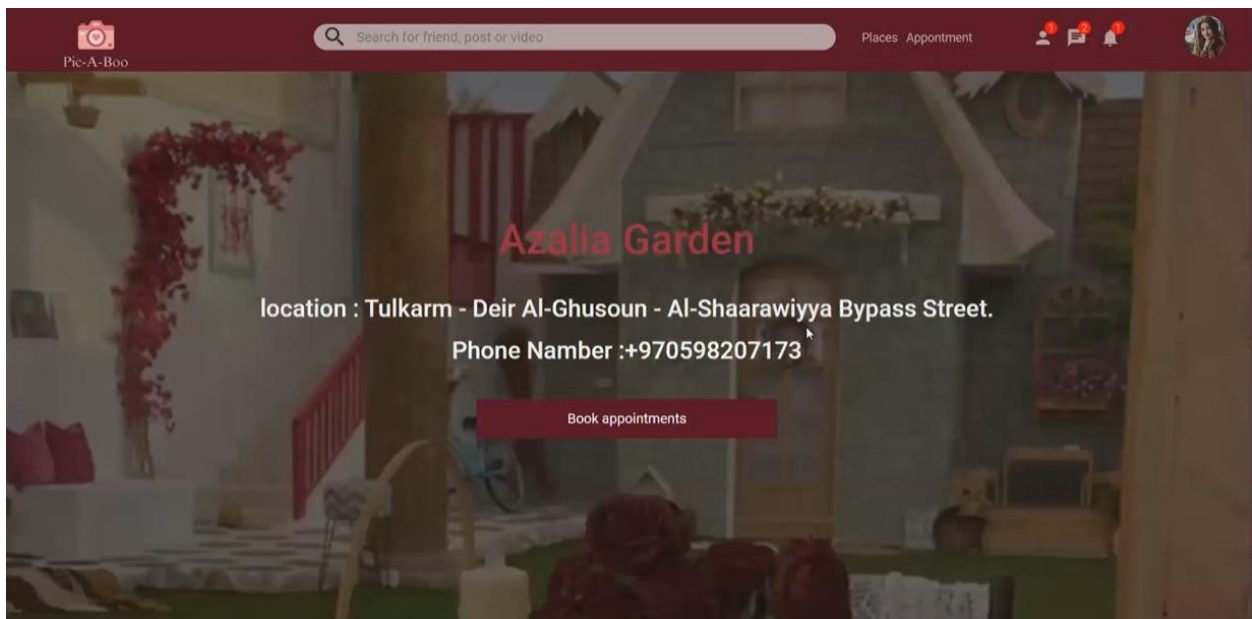


Figure 56: View place profile

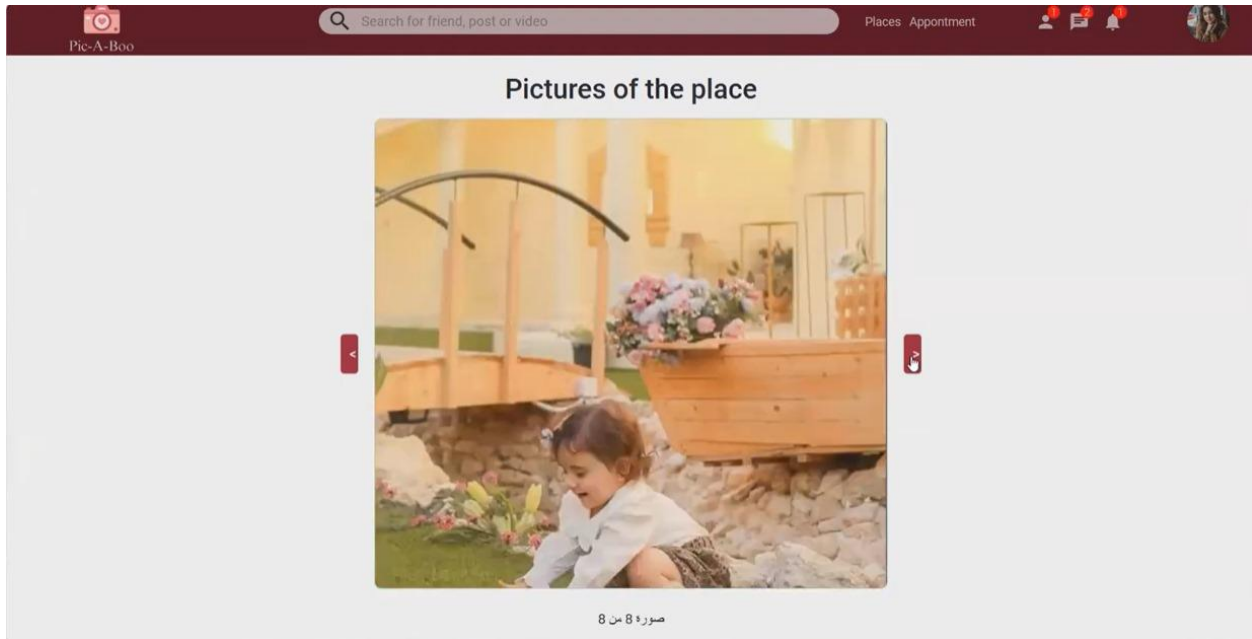


Figure 57: Pictures of the place

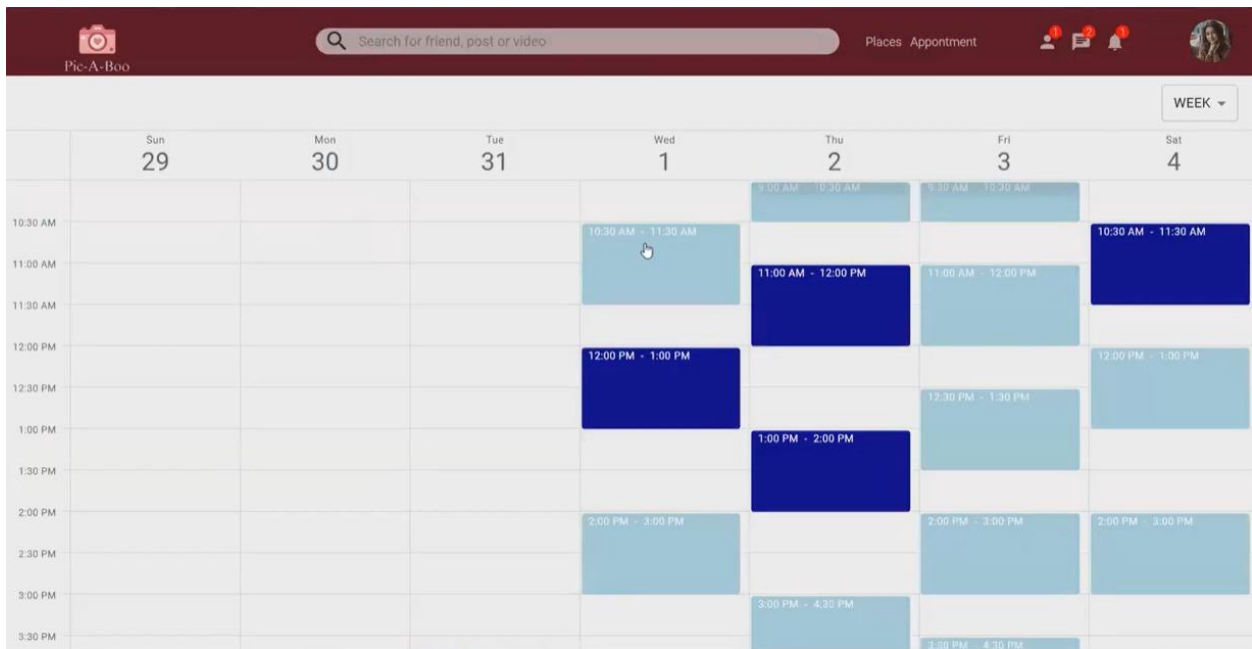


Figure 58: Select time to Book

The screenshot shows a web interface for booking photo sessions. At the top, there is a dark red navigation bar with the 'Pic-A-Boo' logo on the left, a search bar in the center, and navigation links for 'Places' and 'Appointment' on the right. A user profile picture is also visible in the top right corner. Below the navigation bar is a calendar grid showing days from Sunday to Saturday. A modal window titled 'Photo session information' is open in the center, containing the following fields:

- Full Name:** A text input field.
- Photo session details:** A text input field.
- Phone number:** A text input field.
- Email:** A text input field.
- Save:** A dark red button.

The background calendar shows a grid of time slots from 10:30 AM to 3:30 PM. Light blue blocks represent available slots, and dark blue blocks represent booked sessions. For example, on Thursday, there are booked sessions from 10:30 AM to 12:00 PM and 2:00 PM to 3:00 PM. On Friday, there are booked sessions from 9:30 AM to 10:30 AM, 11:00 AM to 12:00 PM, 12:30 PM to 1:30 PM, 2:00 PM to 3:00 PM, and 3:30 PM to 4:30 PM. On Saturday, there are booked sessions from 10:30 AM to 11:30 AM and 12:00 PM to 1:00 PM.

Figure 59:fill information

## 4.4 Photography's Screens and Features

### 4.4.1 Log in as a photographer

This is the home page that appears when the photographer logs into their account. It displays both the posts of other photographers and the posts they have published. At the top of the page, the photographer has the option to publish a new post, which includes adding a photo, its location, and an optional caption or description.

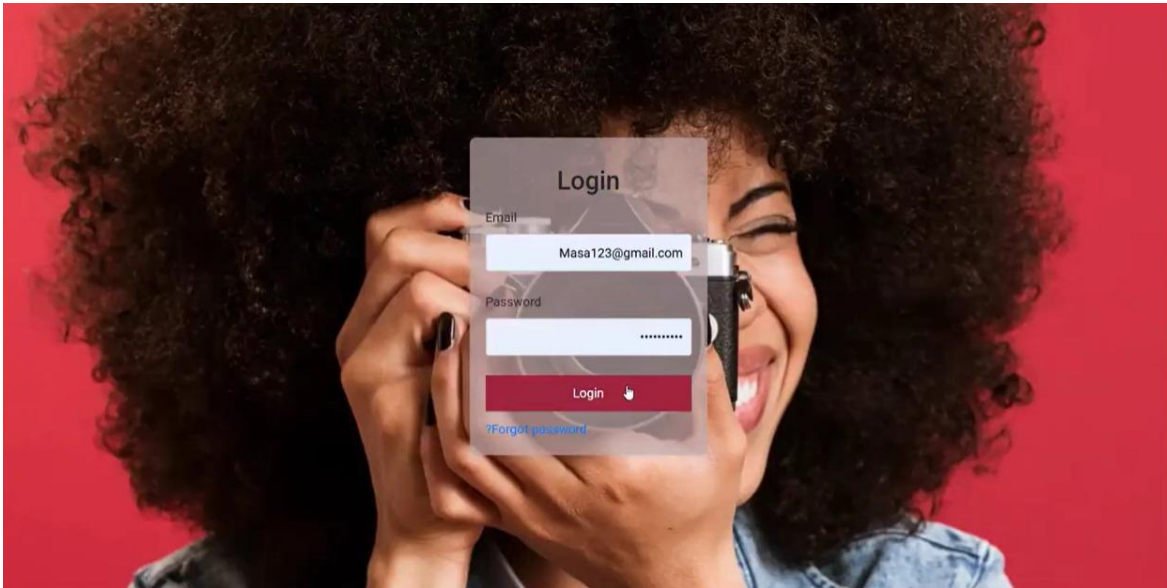


Figure 60:Log in as a photographer

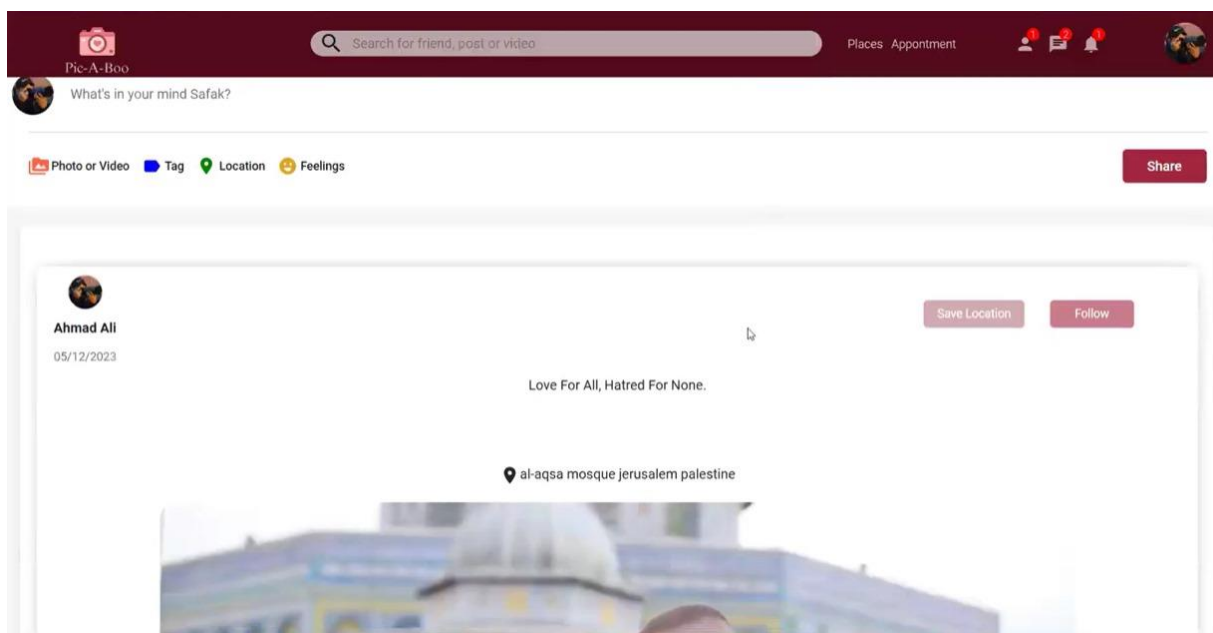


Figure 61:home page for photographer

## 4.4.2 Photographer Profile and Dashboard management

When the photographer enters their personal page by clicking on their profile picture in the navigation bar and then on their name, a graph appears at the top of the page displaying their working hours for the week. At the bottom of the page, the photographer can see images of the accessories available for their photo sessions. They can delete any image by clicking the trash icon at the top right of each picture, or they can add new accessory photos by clicking the file selection button below the images. On the left side of the page, the photographer's personal information is displayed. They can modify this information by clicking the "Update" button, making changes, and then clicking "Save" to save the updates.

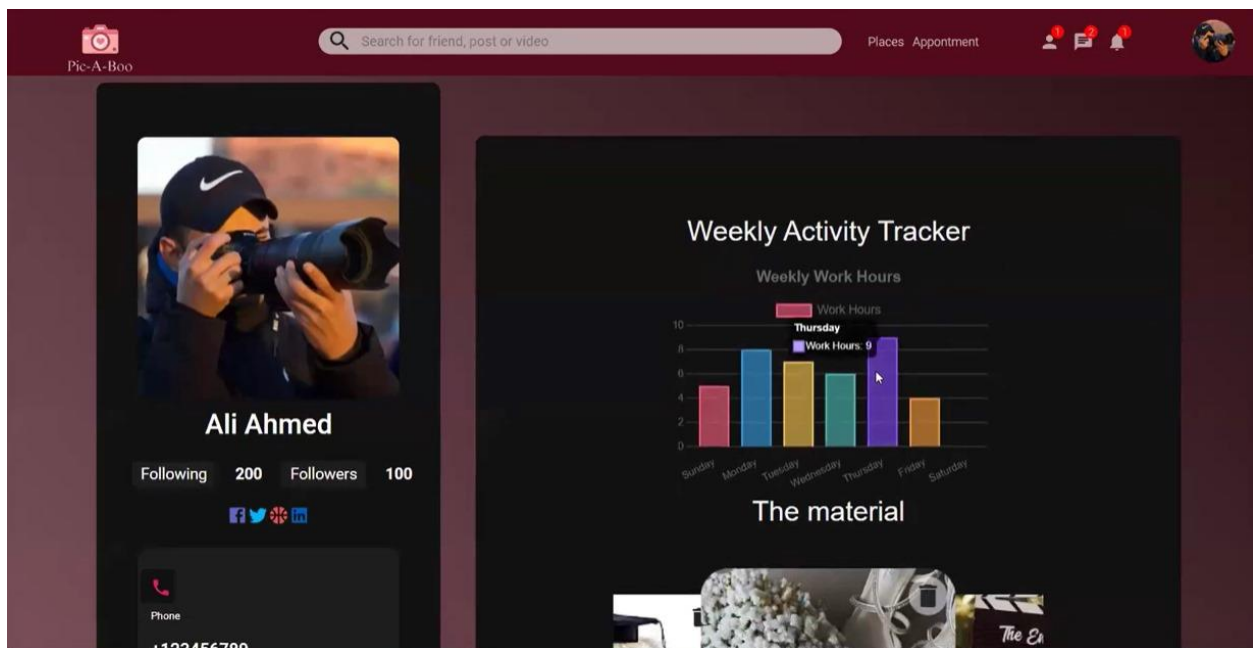


Figure 62: Photographer Profile and Dashboard management

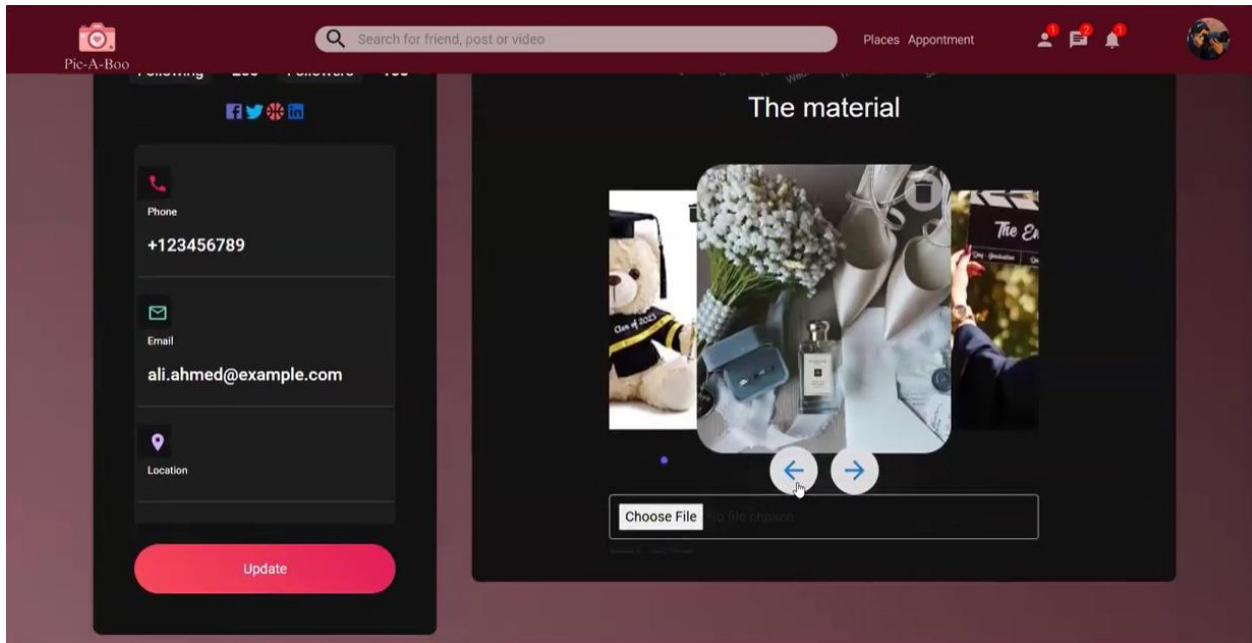


Figure 63: Photographer Profile (view material)

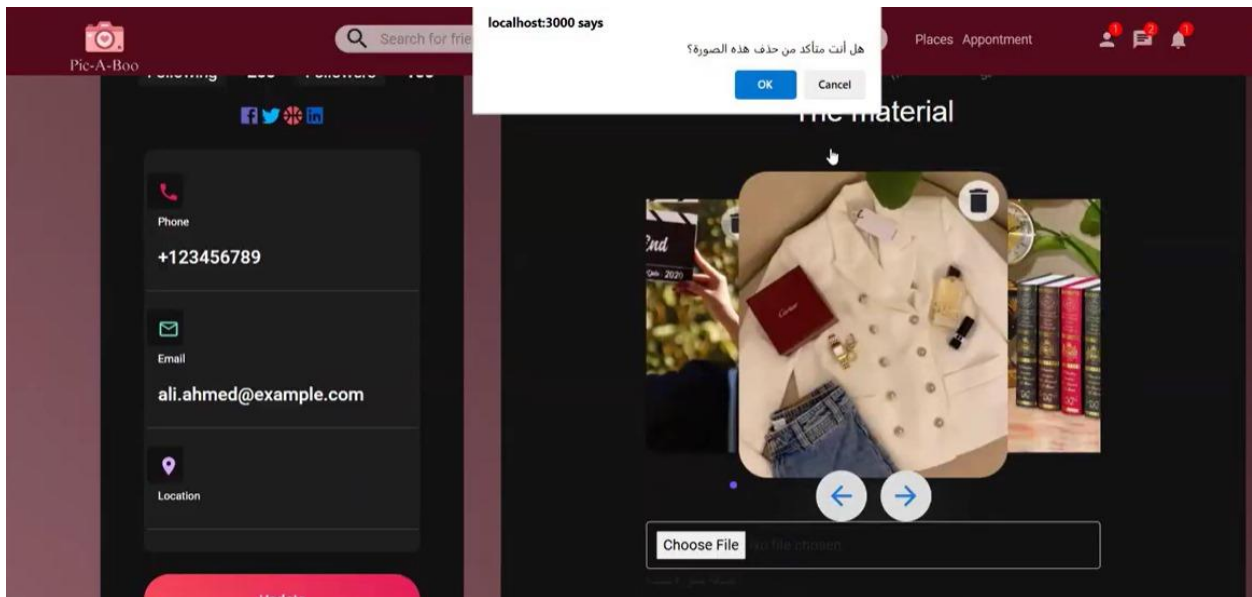


Figure 64: Delete one of materials

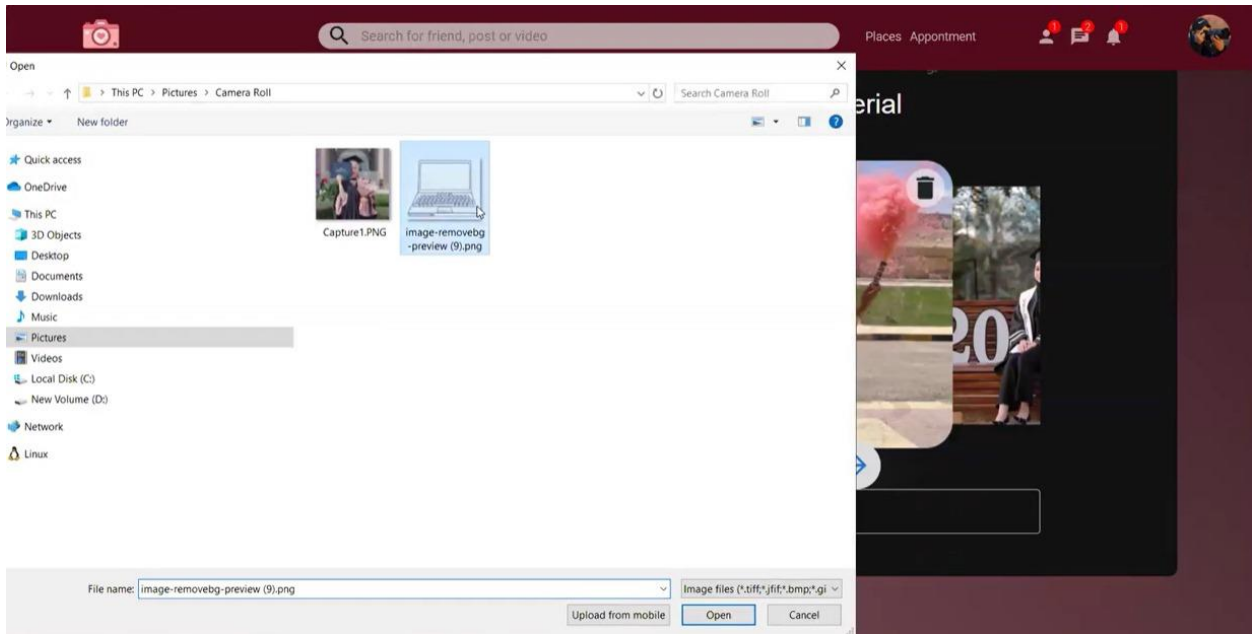


Figure 65: add material

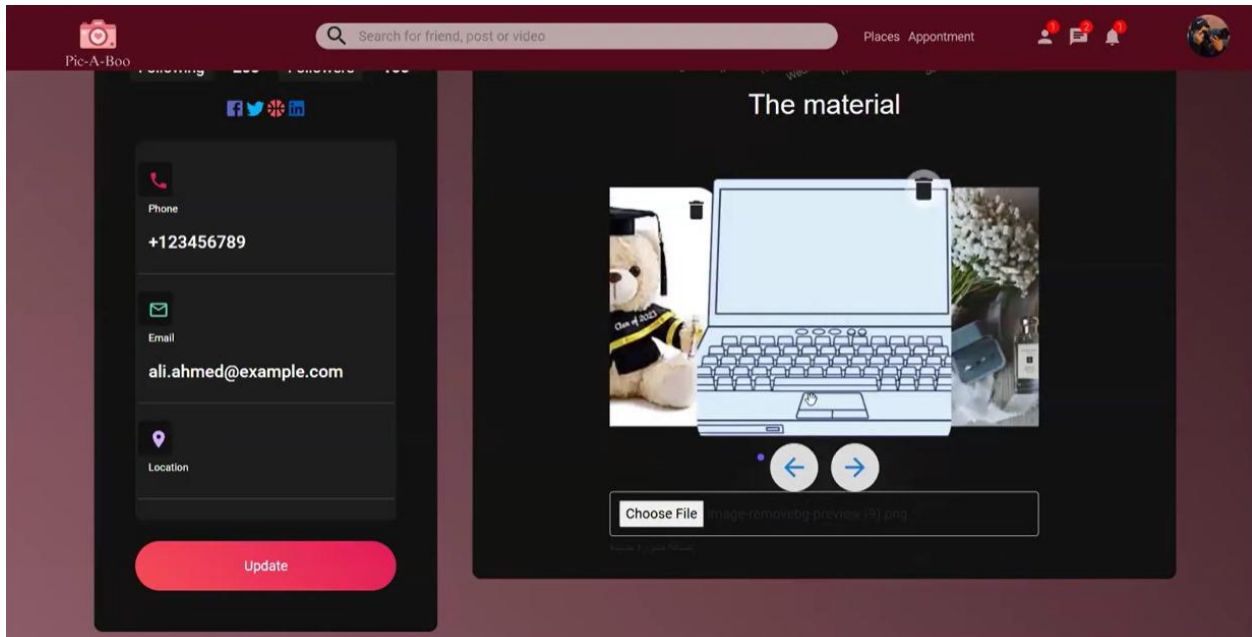


Figure 66: new material added

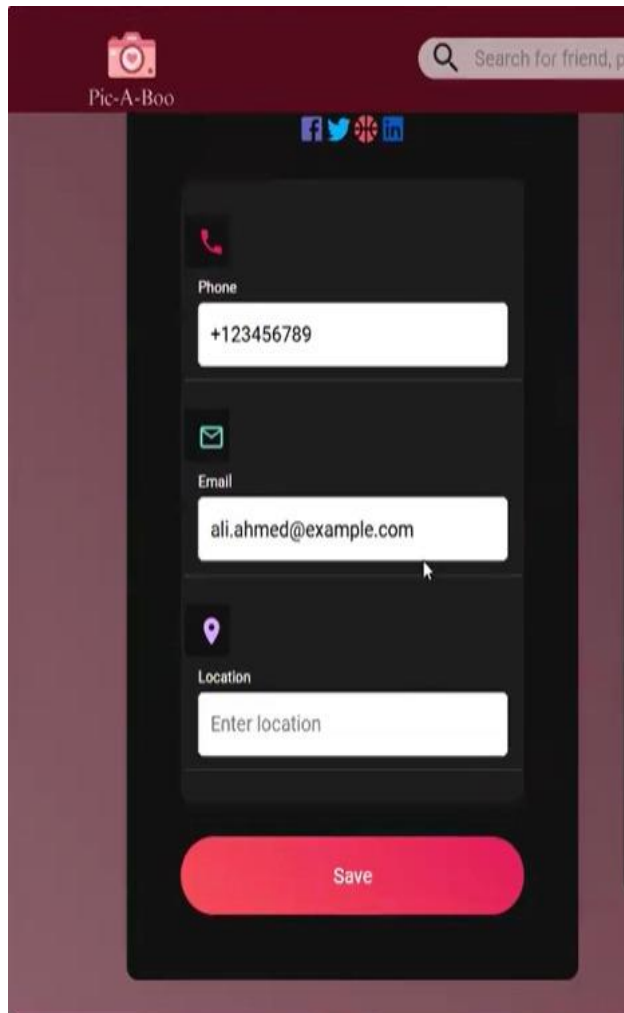


Figure 67:edit photographer information

### 4.4.3 Appointment Management

The bridge to personal pages starts by selecting their image from the navigation bar, followed by clicking on their name. This opens a graph showing the photographer's working hours for the week. The bottom section of the page displays images of accessories suitable for photo sessions. Each image has a trash icon located at the top right corner, allowing photographers to delete it from the list. Photographers can also add new accessory images by selecting files using the button under the existing pictures. Personal information about the photographer is displayed on the left side of the page. By selecting the "Update" button, photographers can modify any of their stored details. Clicking "Save" applies to the changes and updates the profile. Once a photographer accepts a booking, the color of the booking turns red to indicate confirmation.

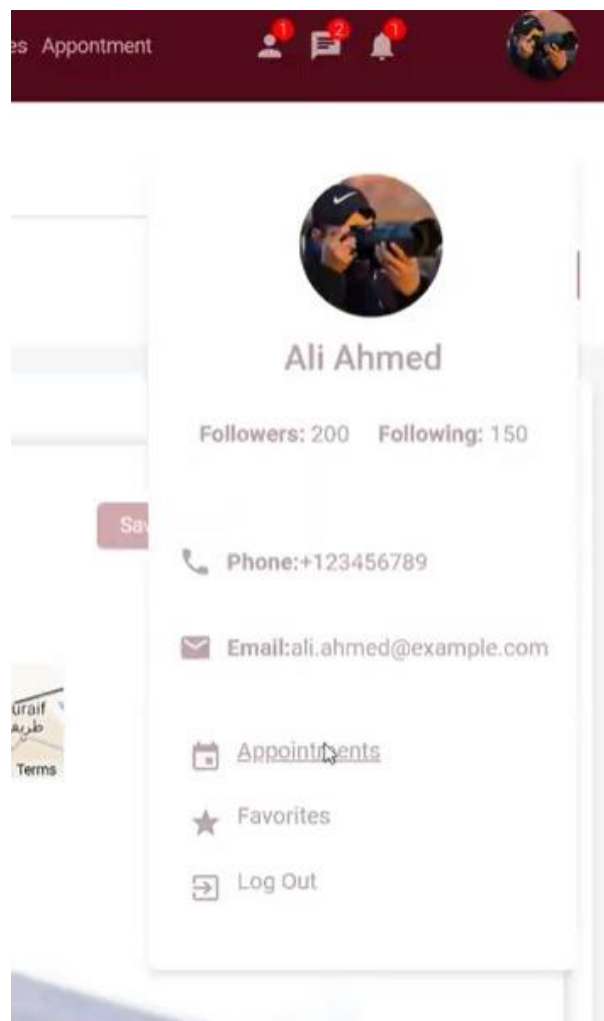


Figure 68:Photographer Appointment Management

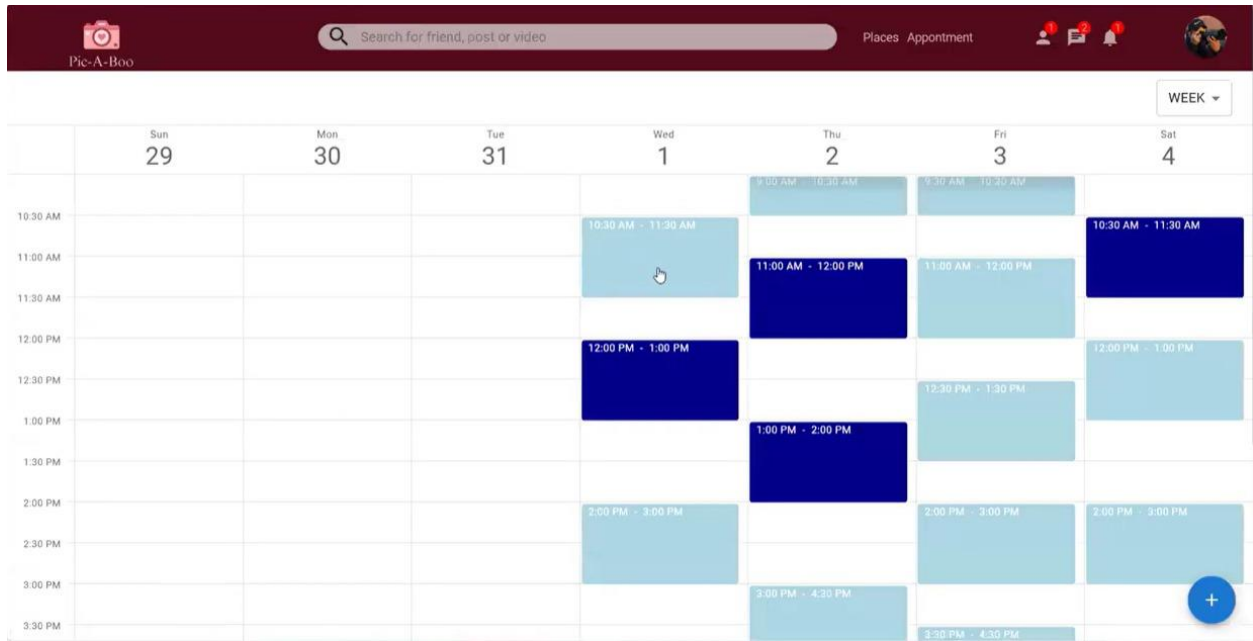


Figure 69:view appointments

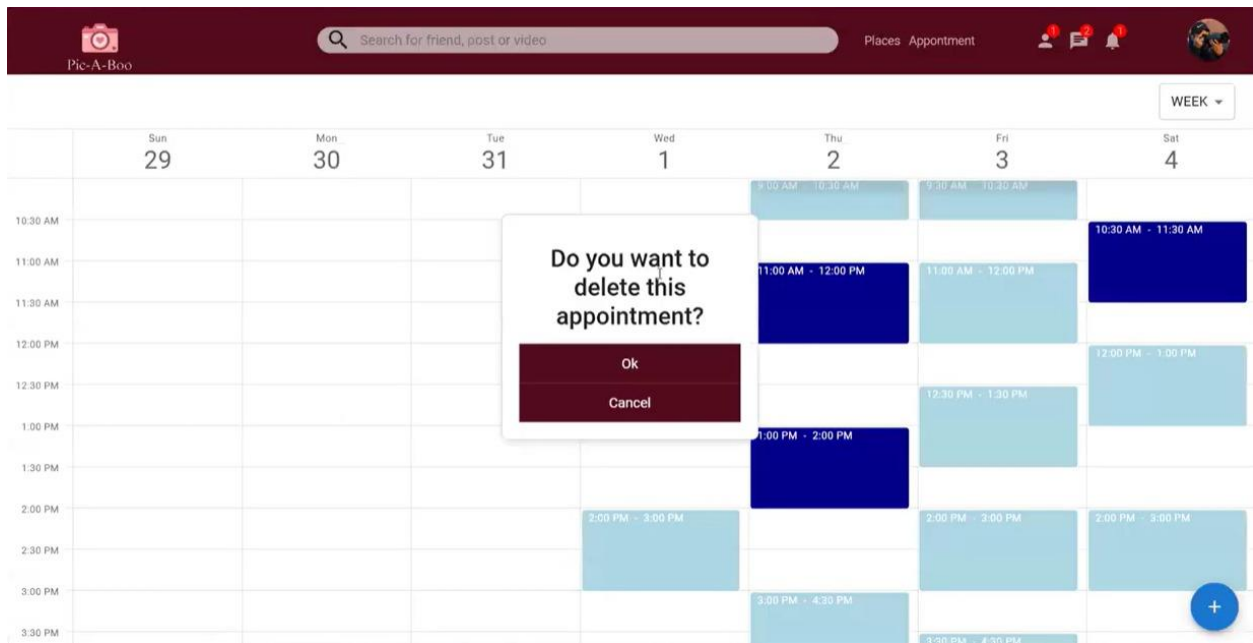


Figure 70:Delete appointment

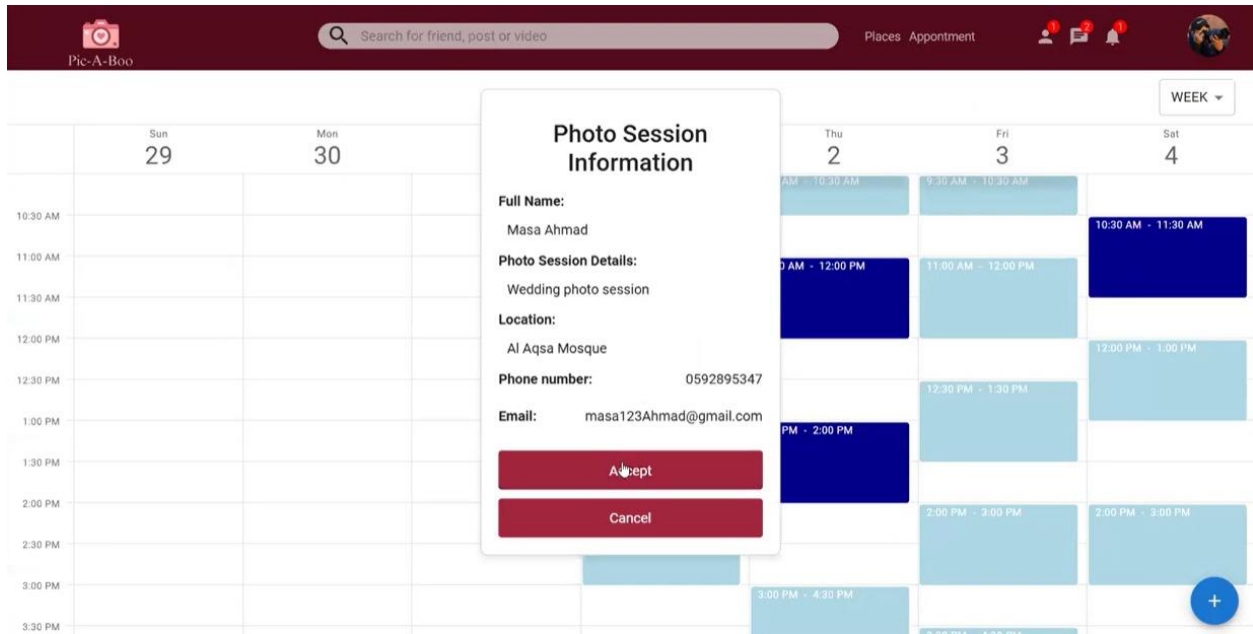


Figure 71:Accept the appointment

the photographer can also filtering the calendar to weekly or monthly or daily, also when the photographer clicking on the plus icon he can add new time available for booking.

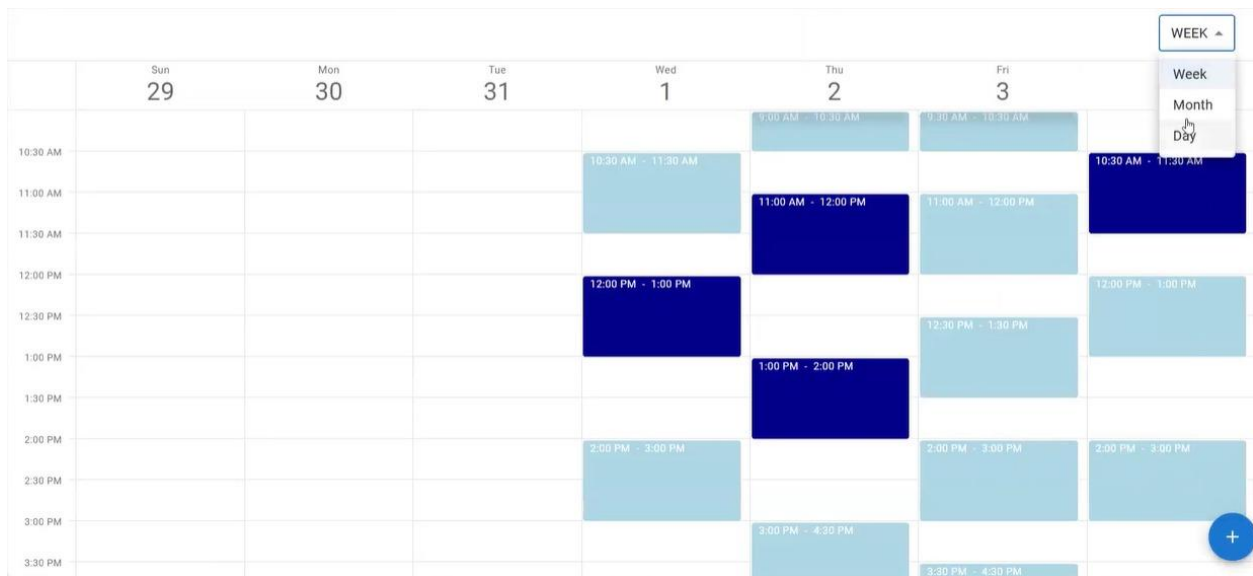


Figure 72:filtering the calendar

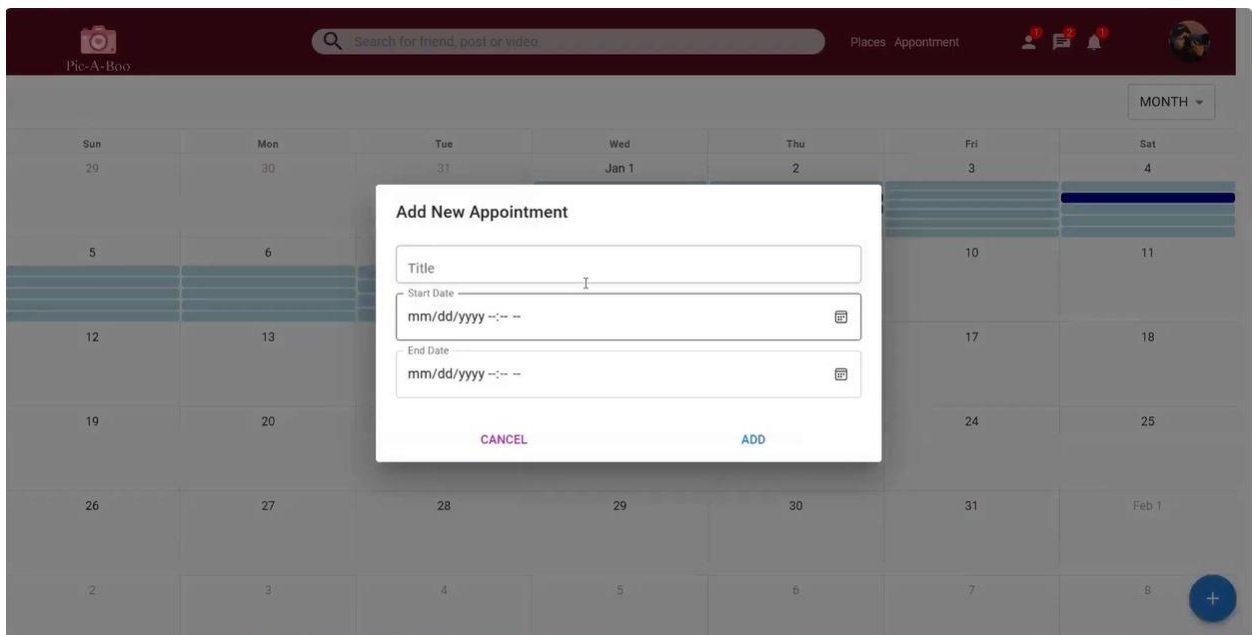
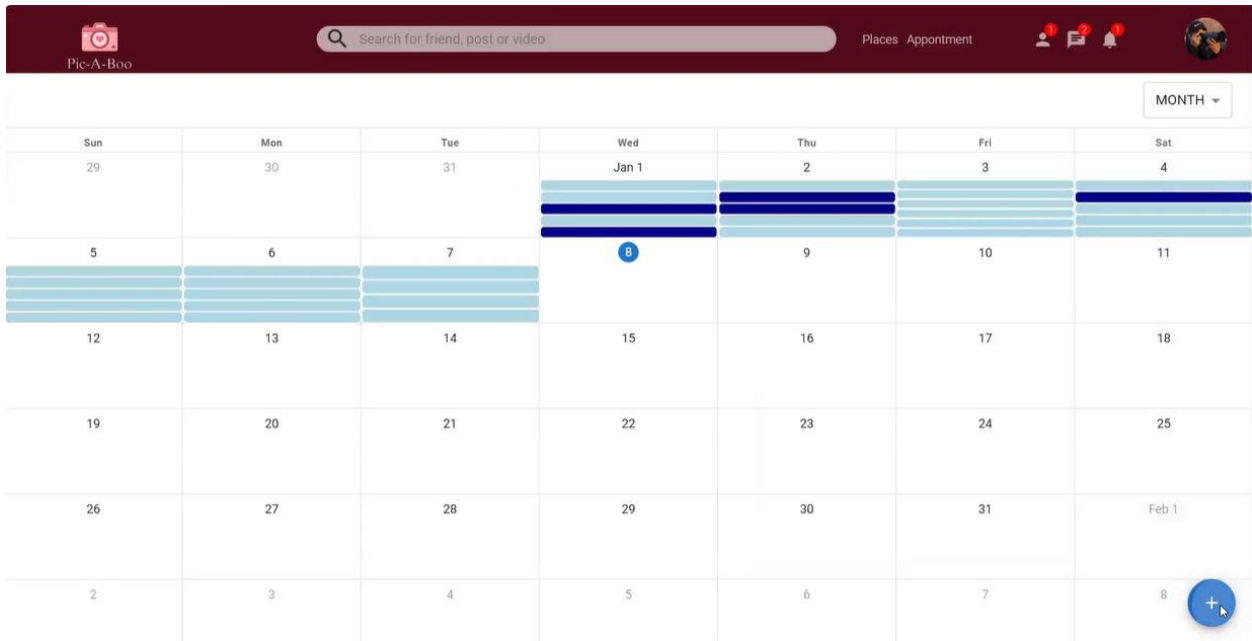


Figure 73: Add new appointment time



Search for friend, post or video

Places Appointment



MONTH

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	Jan 1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	Feb 1
2	3	4	5	6	7	8



## 4.5 Place Owner's Screens and Features

### 4.5.1 Log in as a place owner

This is the home page that appears when the place owner logs into their account. It displays both the posts of other place owners and the posts they have published. At the top of the page, the place owner has the option to publish a new post, which includes adding a photo, its location, and an optional caption or description.

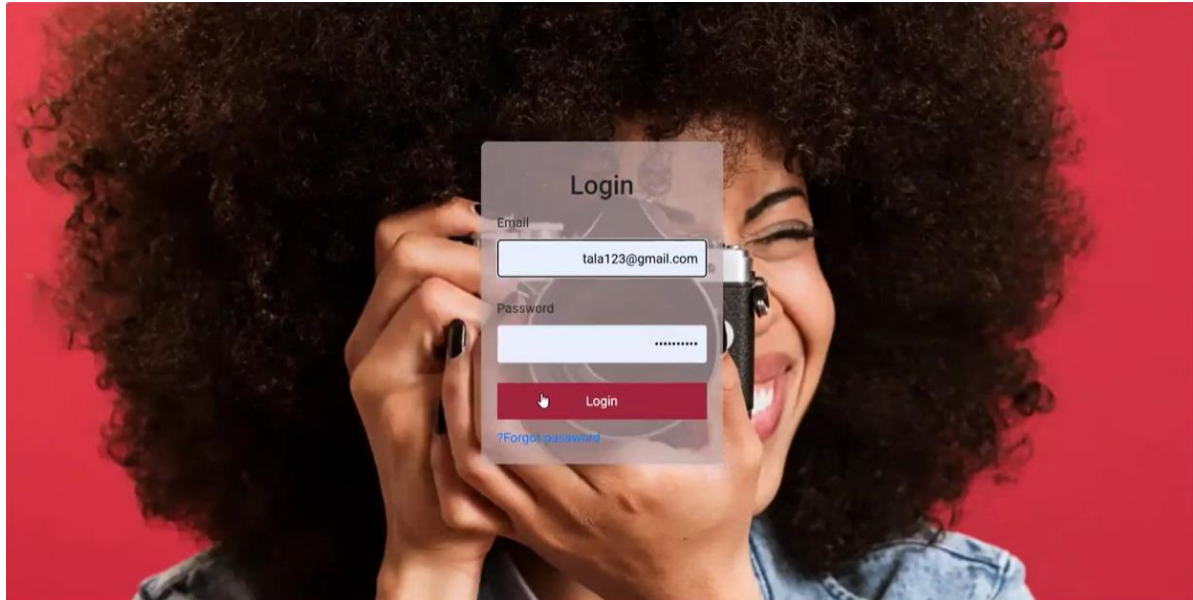


Figure 74: Log in as a place owner

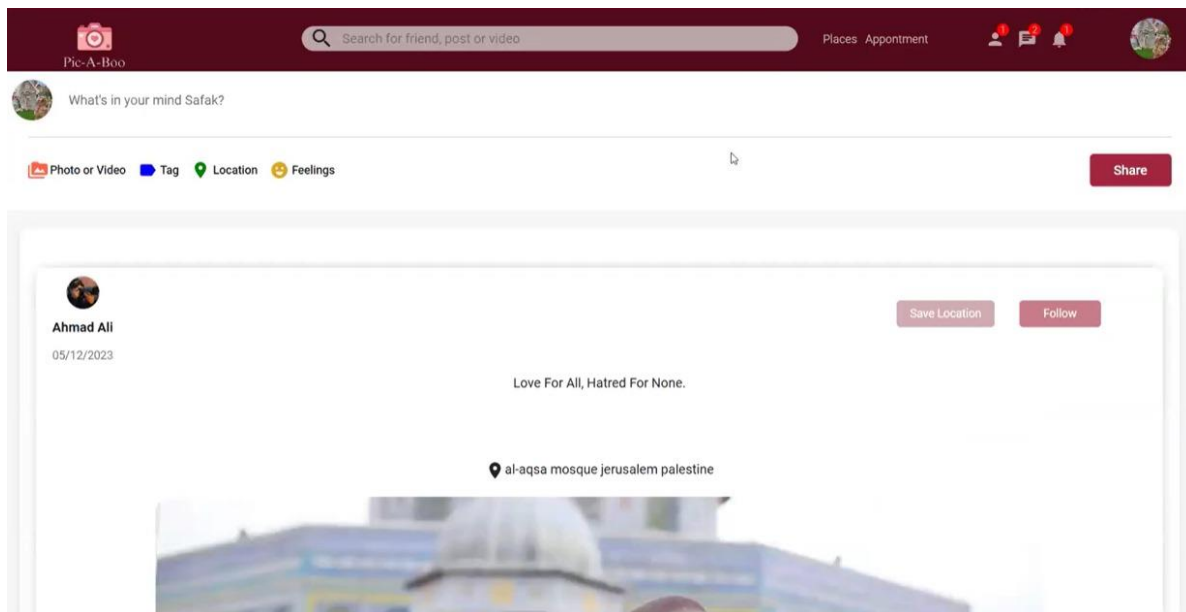


Figure 75: place owner home page

### 4.5.2 Place Owner Profile and Dashboard Management

When the place owner enters their personal page by clicking on their profile picture in the navigation bar and then on their name, a dashboard appears at the top of the page displaying a graph of the number of visits to their location for the week. At the bottom of the page, the place owner can see images of the accessories available at their location for photo sessions. They can delete any image by clicking the trash icon at the top right of each picture, or they can add new accessory photos by clicking the file selection button below the images. On the left side of the page, the place owner's personal information is displayed. They can modify this information by clicking the "Update" button, making changes, and then clicking "Save" to save the updates.

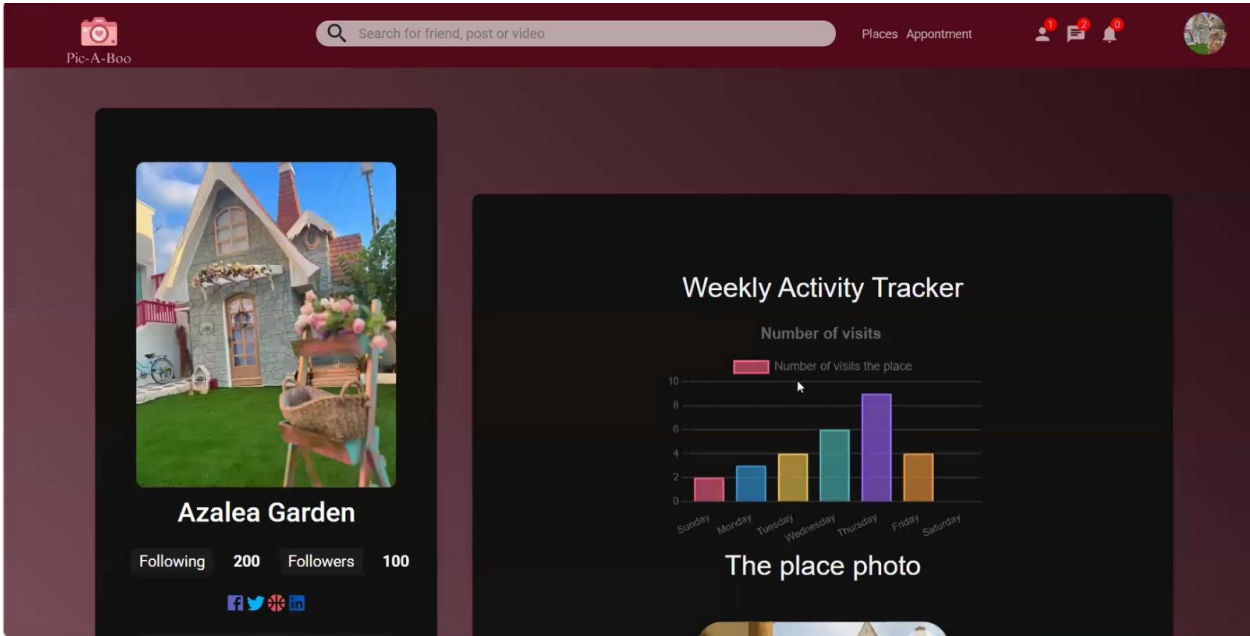


Figure 76: Place Owner Profile and Dashboard Management

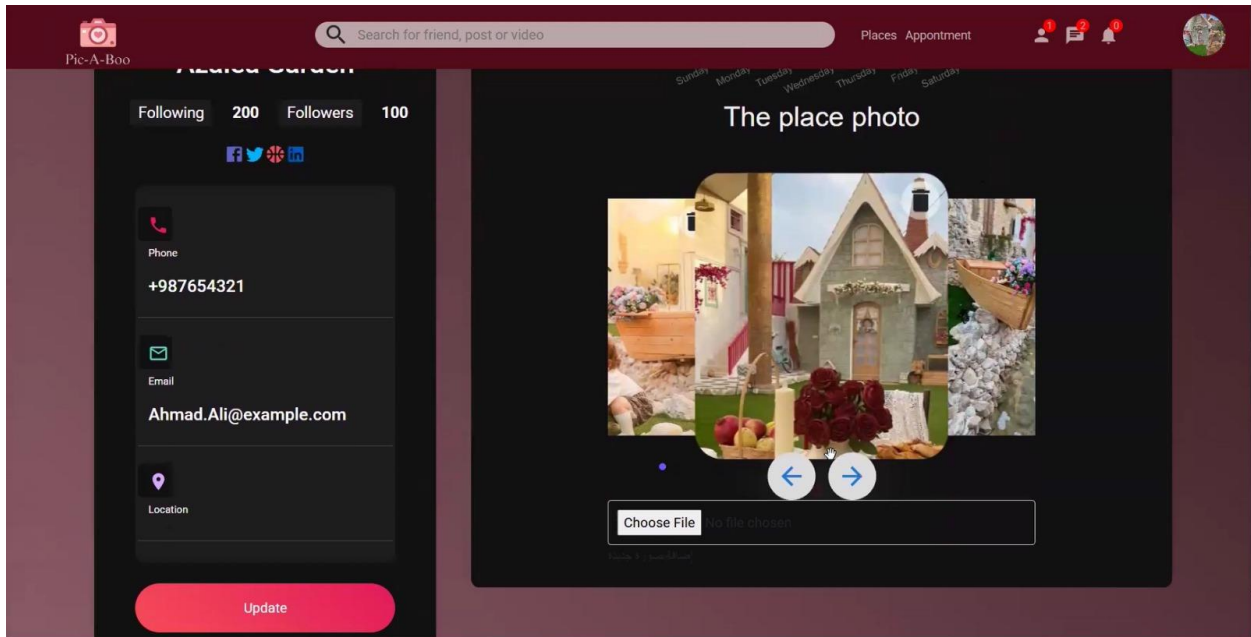


Figure 77:the place photos

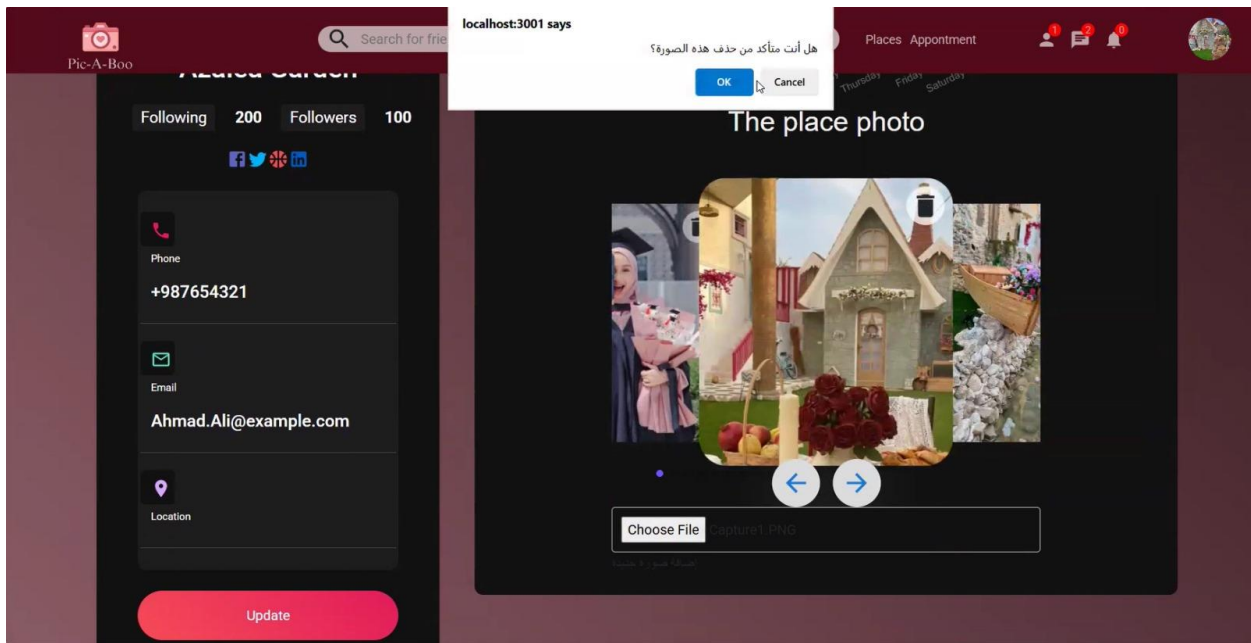


Figure 78:Delete place photo

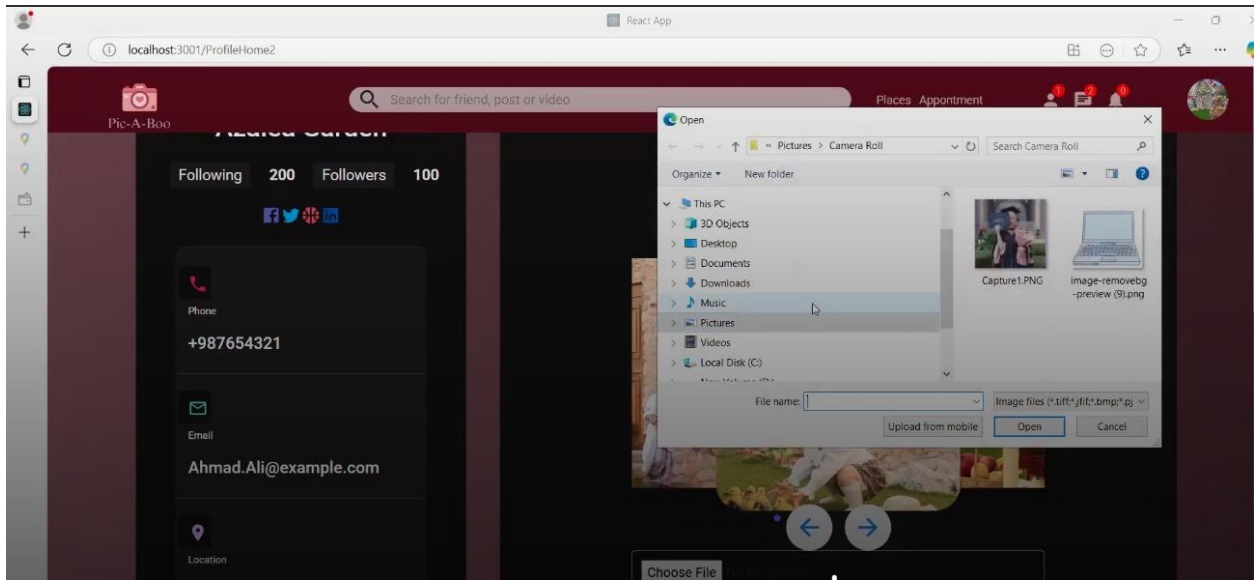


Figure 79: add new place photo

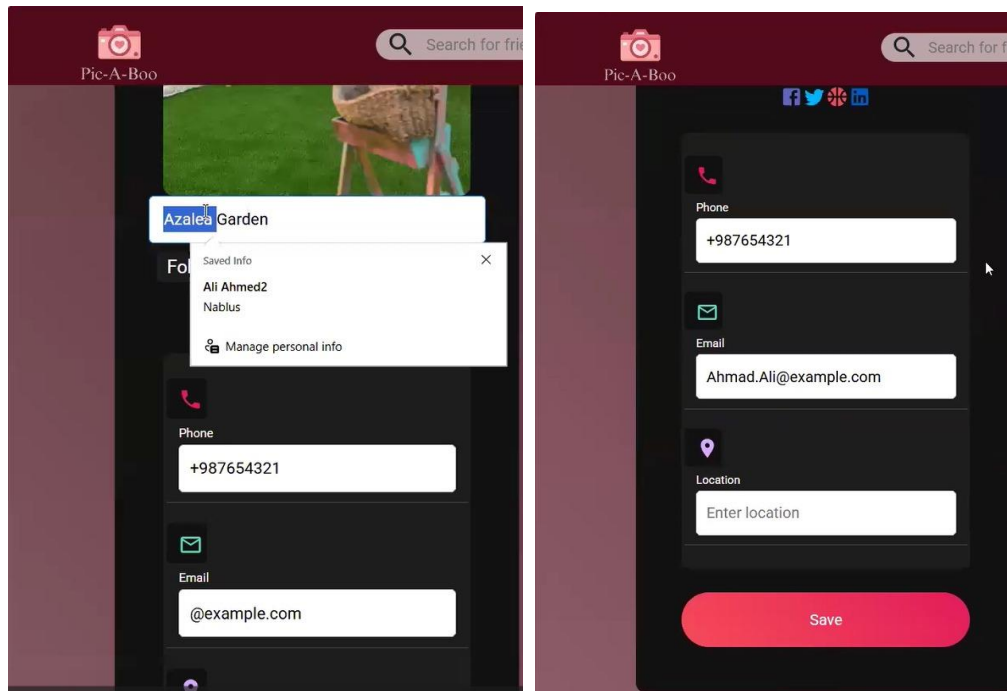


Figure 80: Edit place owner information

### 4.5.3 Appointment Management

The bridge to personal pages starts by selecting their image from the navigation bar, followed by clicking on their name. This opens a graph showing the place owner's working hours for the week. The bottom section of the page displays images of accessories available at the location for photo sessions. Each image has a trash icon located at the top right corner, allowing place owners to delete it from the list. Place owners can also add new accessory images by selecting files using the button under the existing pictures. Personal information about the place owner is displayed on the left side of the page. By selecting the "Update" button, place owners can modify any of their stored details. Clicking "Save" applies to the changes and updates the profile. Once a place owner accepts a booking, the color of the booking turns red to indicate confirmation.

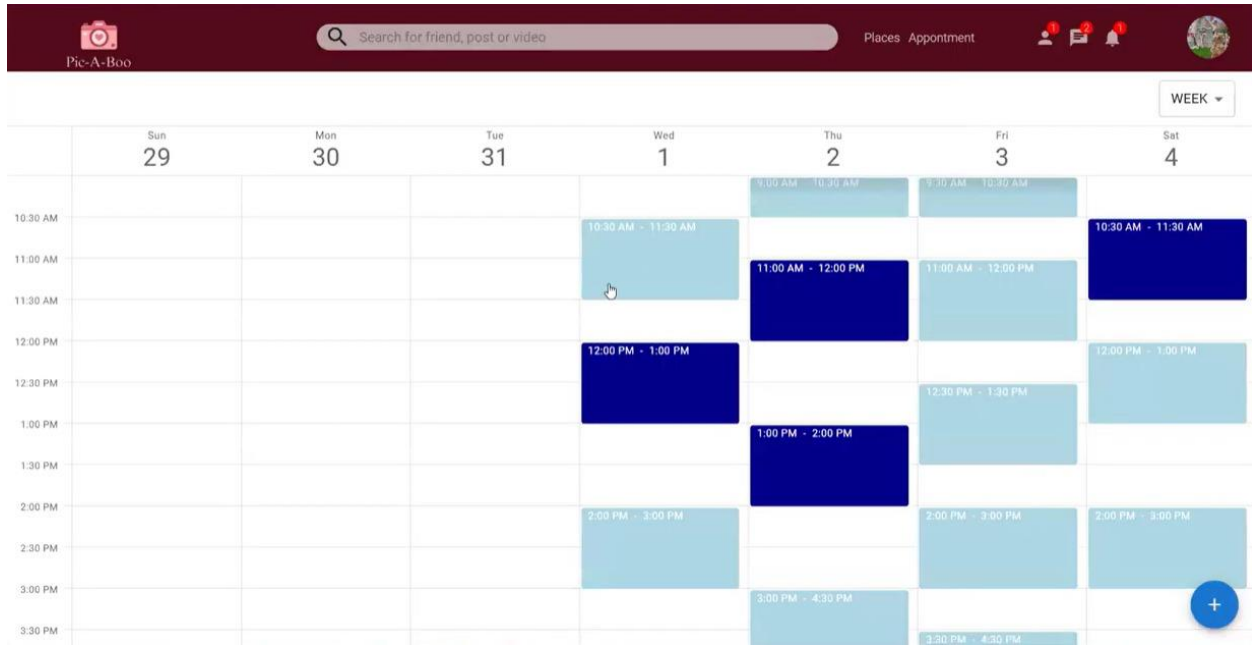


Figure 81: Appointment Management

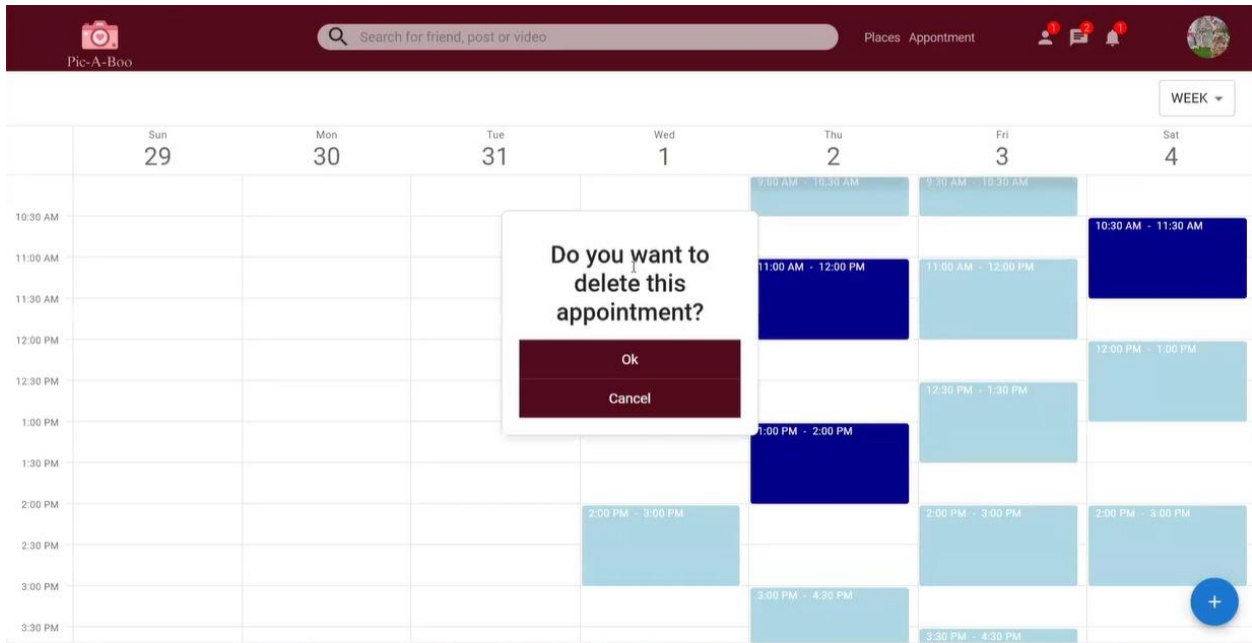


Figure 82:Delete Appointment

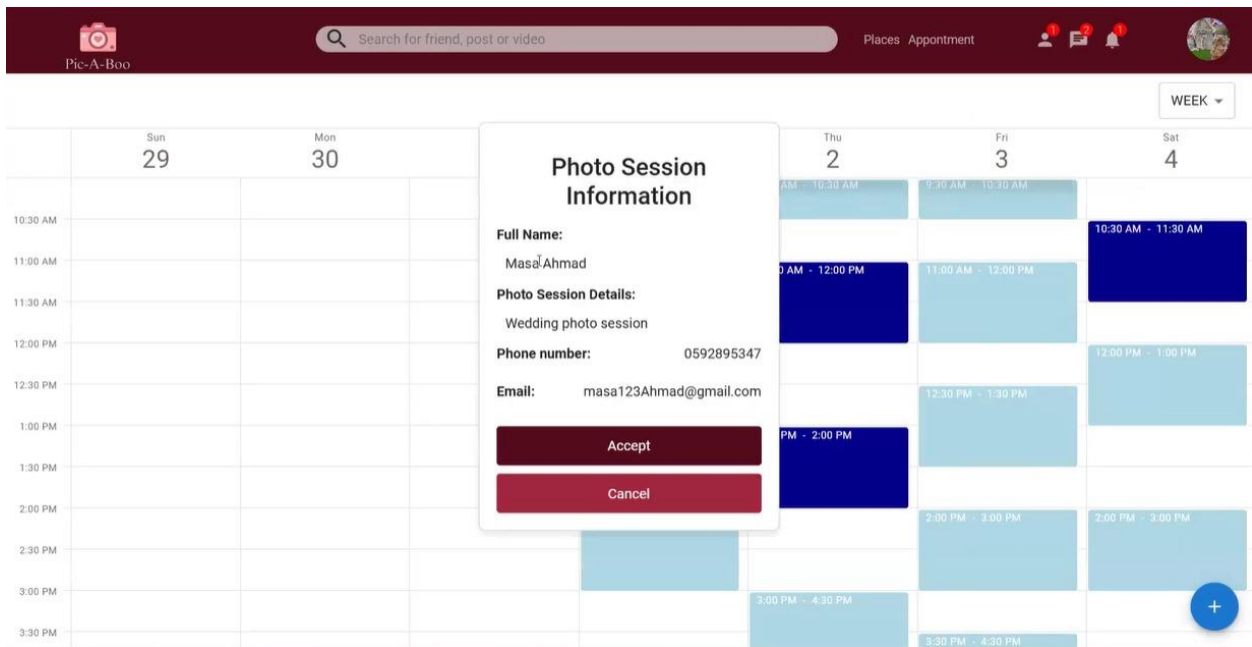


Figure 83:accept appointment

## 4.6 Admin's Screens and Features

### 4.6.1 Login as an Admin

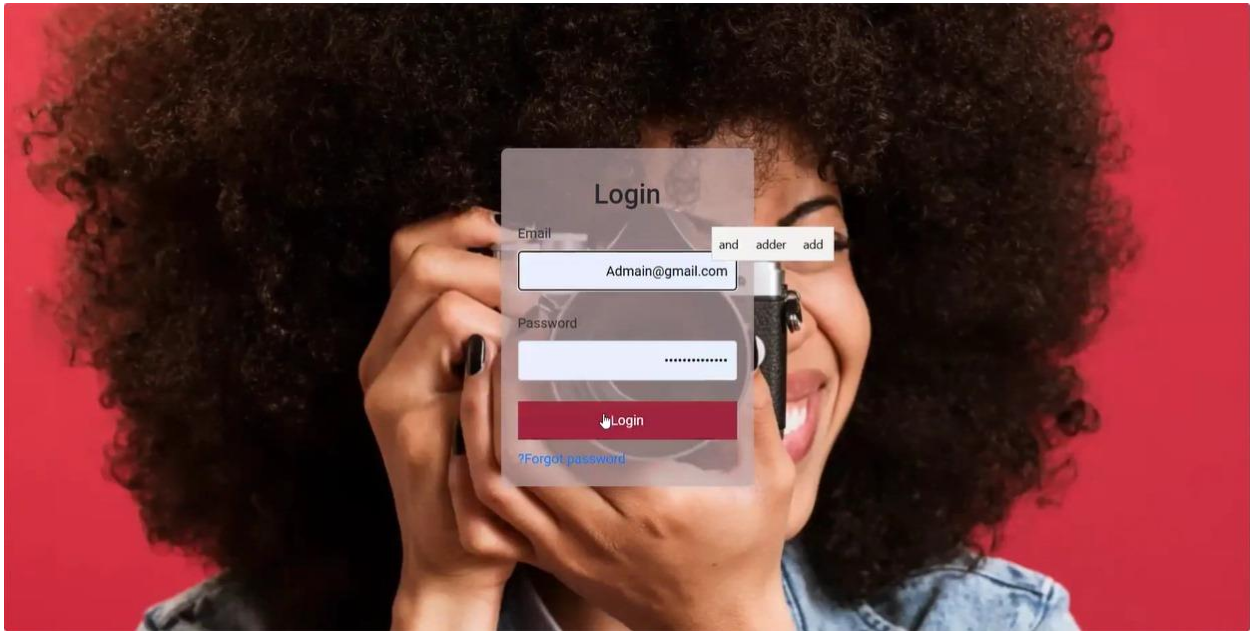


Figure 84:log in as admin

## 4.6.2 Admin Home Page

This is the admin's home page where all the information about the application appears. He can classify users by searching by name or by their type (photographers, place owner, regular user) or by city.

The screenshot shows the Admin Home Page. On the left is a sidebar with the user profile 'Mohmmad Saleh' (admin@example.com) and navigation links: Home, applications, Charts, and Logout. The main content area is titled 'Admin Page' and features three summary cards: '12,361 Emails Sent' (+14%), '431,225 Net profit' (+21%), and '32,441 New Clients' (+5%). Below these cards are search filters: 'Search by Name', 'User Type' (a dropdown menu), and 'Search by City'. A table lists users with columns for Name, Type, and City.

Name	Type	City
Ahmed	Photographer	Jerusalem
Maryam	Owner	Ramallah
Yusuf	Regular User	Nablius
Sarah	Photographer	Hebron
Ali	Owner	Jericho

Figure 85:Admin Home Page

This screenshot is identical to Figure 85, but the 'User Type' dropdown menu is open, showing the following options: All, Photographer, Owner, and Regular User. The 'Owner' option is highlighted by the mouse cursor.

Name	Type	City
Ahmed	Photographer	Jerusalem
Maryam	Owner	Ramallah
Yusuf	Regular User	Nablius
Sarah	Photographer	Hebron
Ali	Owner	Jericho

Figure 86:search by user type

### 4.6.3 Registration Review and Search

On the application page, **registered photographers and place owners** are displayed. During the registration process, users are required to upload files showcasing their work. These files are reviewed by the admin, who can **download and view** the submissions to determine whether to accept or reject the registration request. Additionally, the page includes a **search feature** that allows users to filter and locate photographers or place owners based on **name, type** (photographer or place owner), or **city**, ensuring easy navigation and discovery of relevant profiles.

The screenshot displays the Admin Page interface. On the left is a sidebar with the user profile 'Mohammad Saleh' (admin@example.com) and navigation links for Home, applications, Charts, and Logout. The main content area features search filters for Name, User Type, and City, along with a 'DOWNLOAD CSV' button. Below these is a table listing applications with columns for Name, Type, City, File, and Actions.

Name	Type	City	File	Actions
Ahmed	Photographer	Jerusalem	<a href="#">DOWNLOAD</a>	<a href="#">ACCEPT</a> <a href="#">REJECT</a>
Maryam	Owner Place	Ramallah	<a href="#">DOWNLOAD</a>	<a href="#">ACCEPT</a> <a href="#">REJECT</a>
Yusuf	Photographer	Nablus	<a href="#">DOWNLOAD</a>	<a href="#">ACCEPT</a> <a href="#">REJECT</a>
Sarah	Photographer	Hebron	<a href="#">DOWNLOAD</a>	<a href="#">ACCEPT</a> <a href="#">REJECT</a>

Figure 87: accept or reject applications

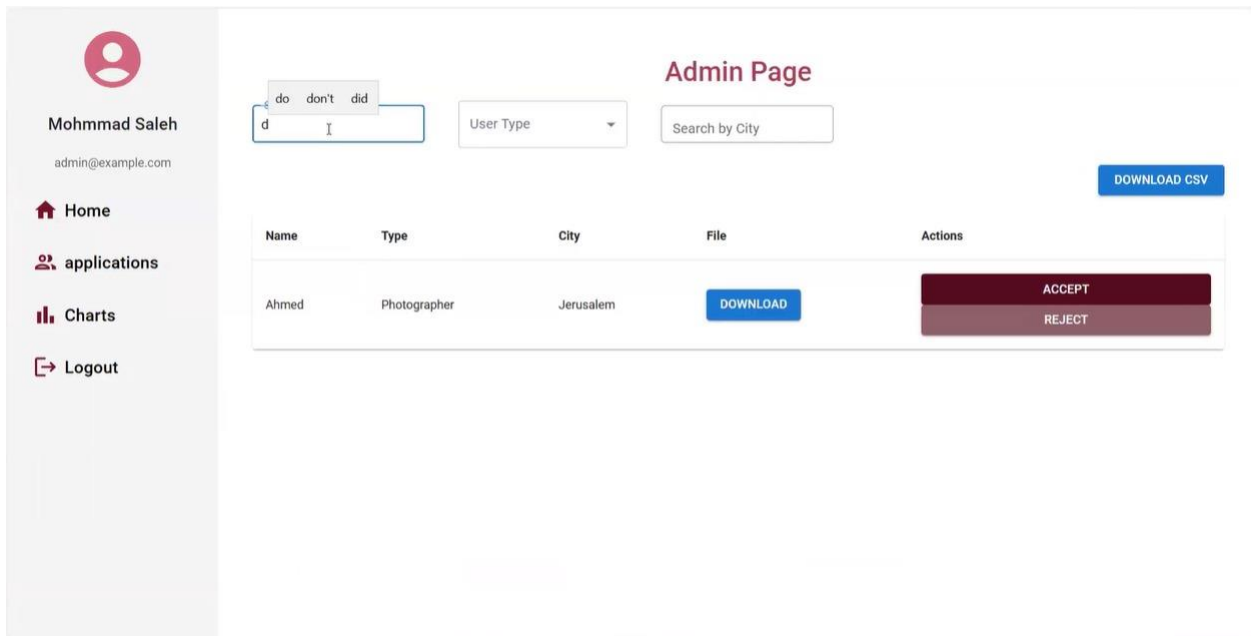
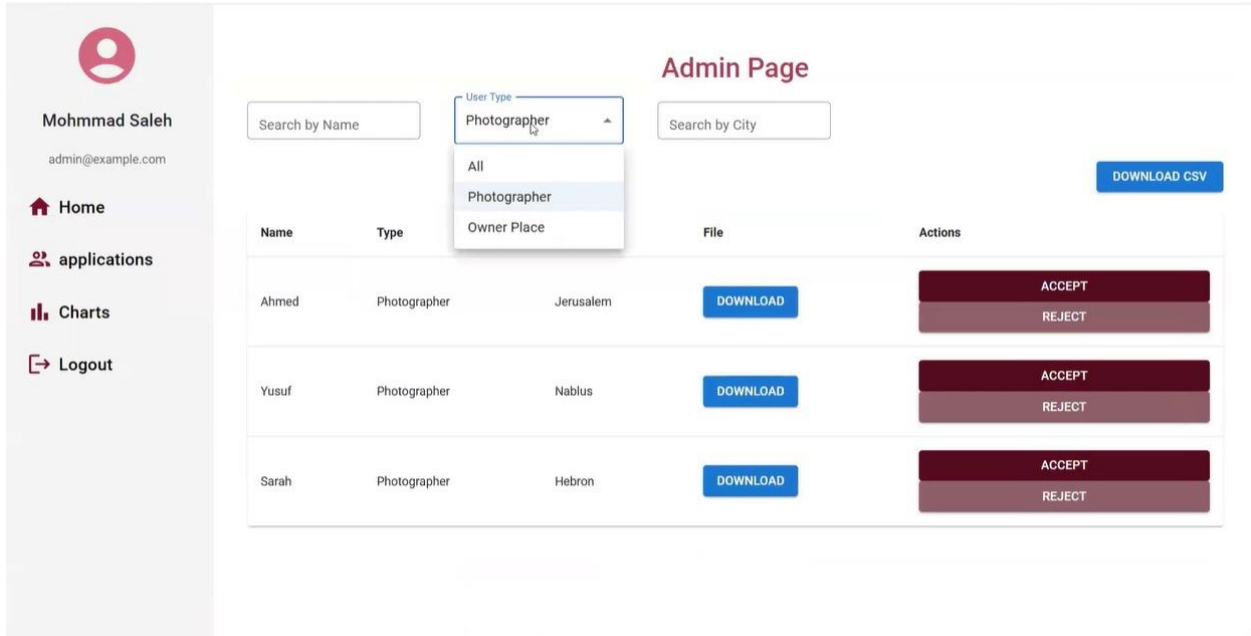


Figure 88: Search by name

## 4.6.4 User Data Export

When you click on the Download button at the top right of the page, an Excel file is generated and downloaded. This file contains a list of usernames, their classification (photographer or place owner), and the city in which they are located, enabling easy access to user data for management or reporting purposes.

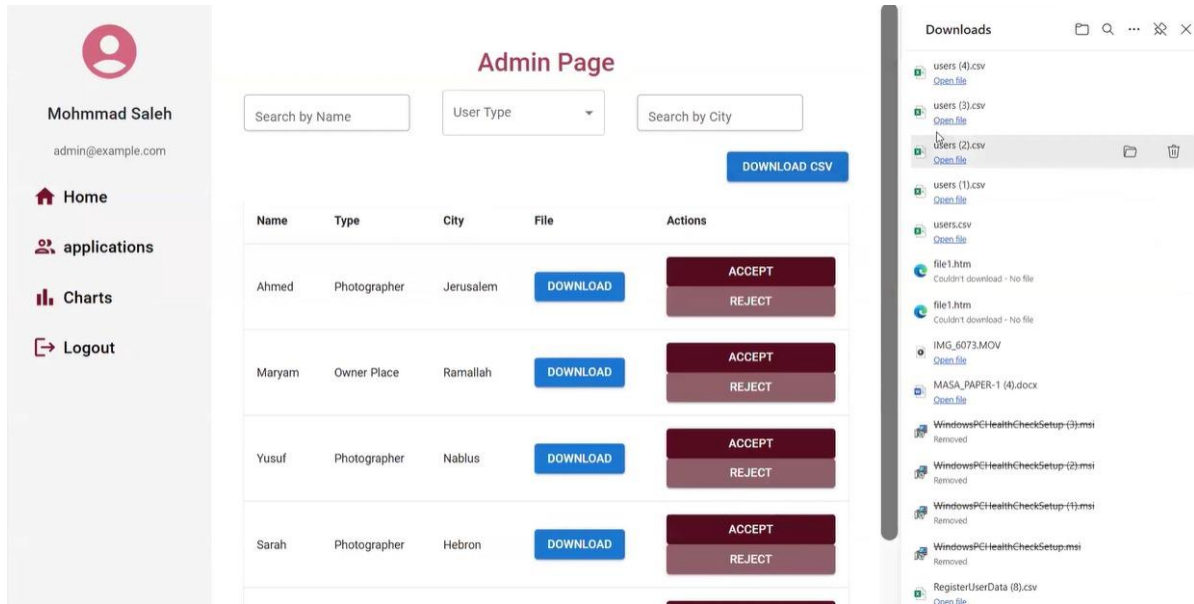


Figure 89:Download Excel sheet

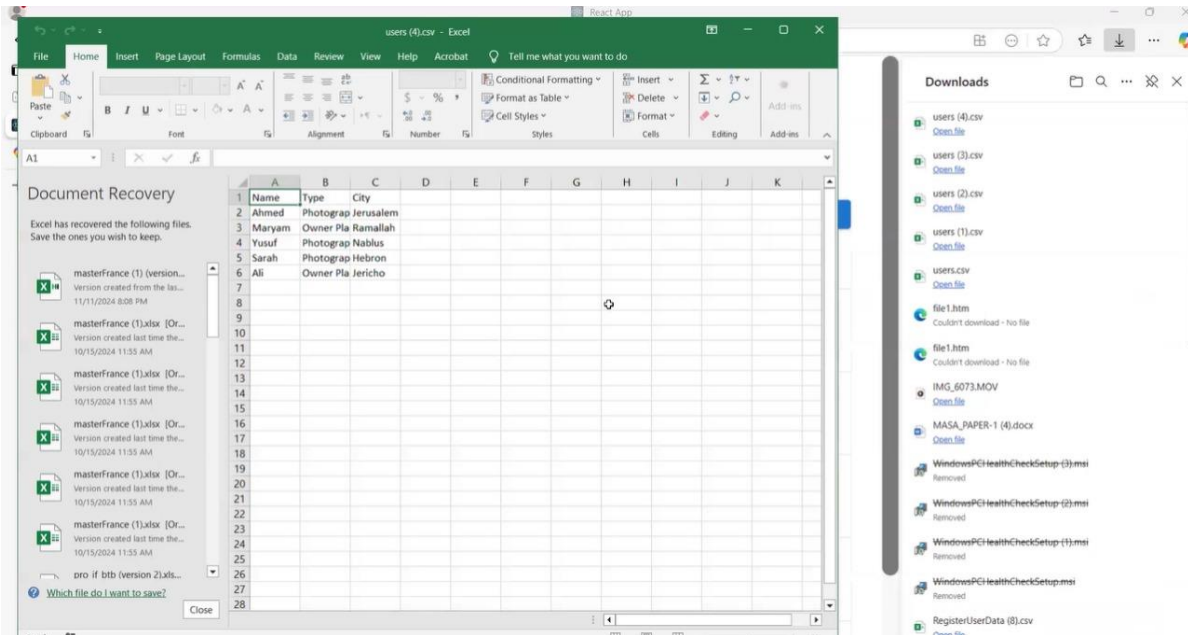


Figure 90:view Excel sheet

## 4.6.5 Reservation and Photographer Performance Graphs

The **first graph** displays the number of reservations made each month throughout the year. For example, in November, it shows a total of 20 reservations. The **second graph** highlights the top-performing photographer based on the number of bookings they have received, helping to identify the most popular photographers on the platform.

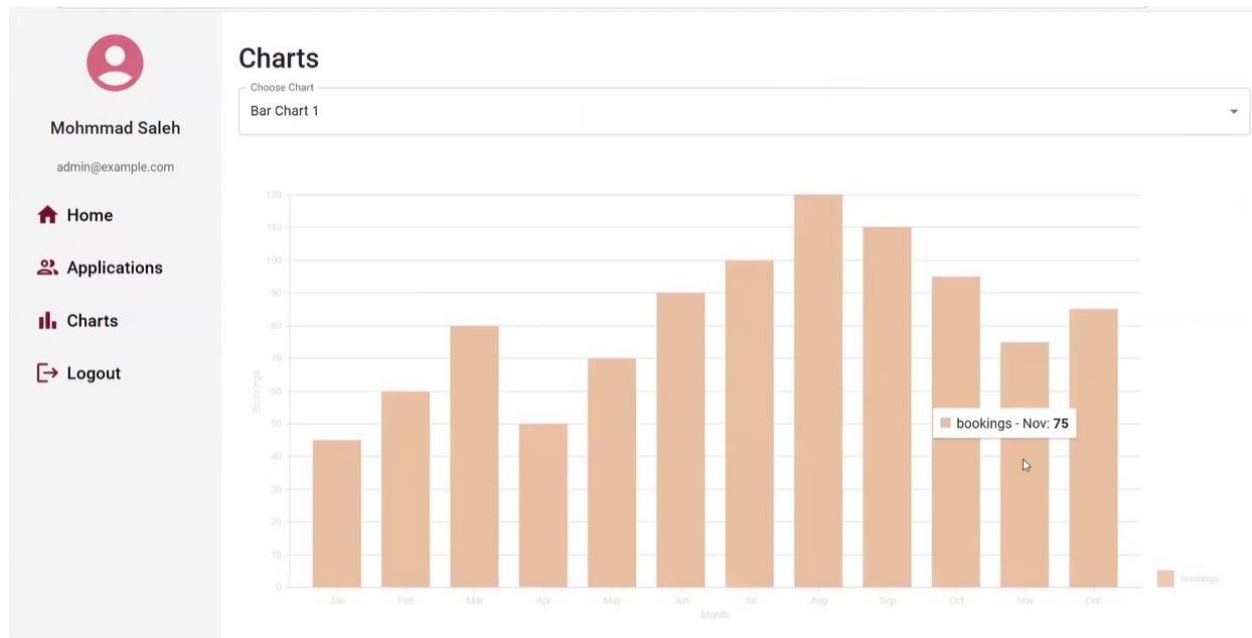


Figure 91:booking months chart 1

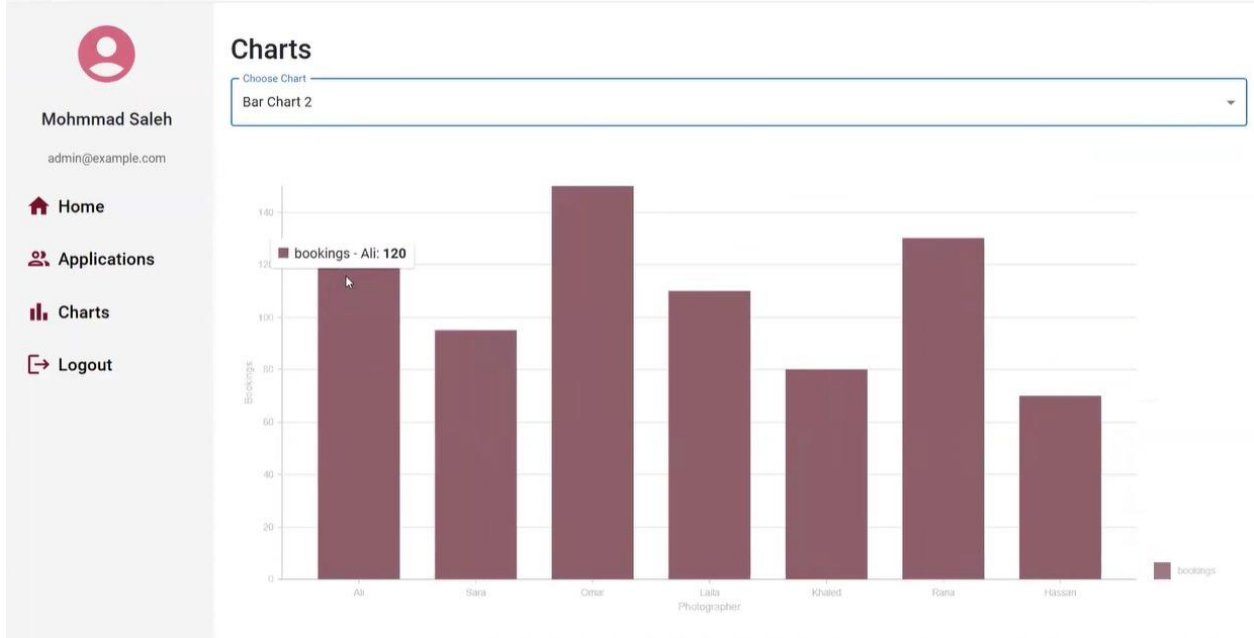
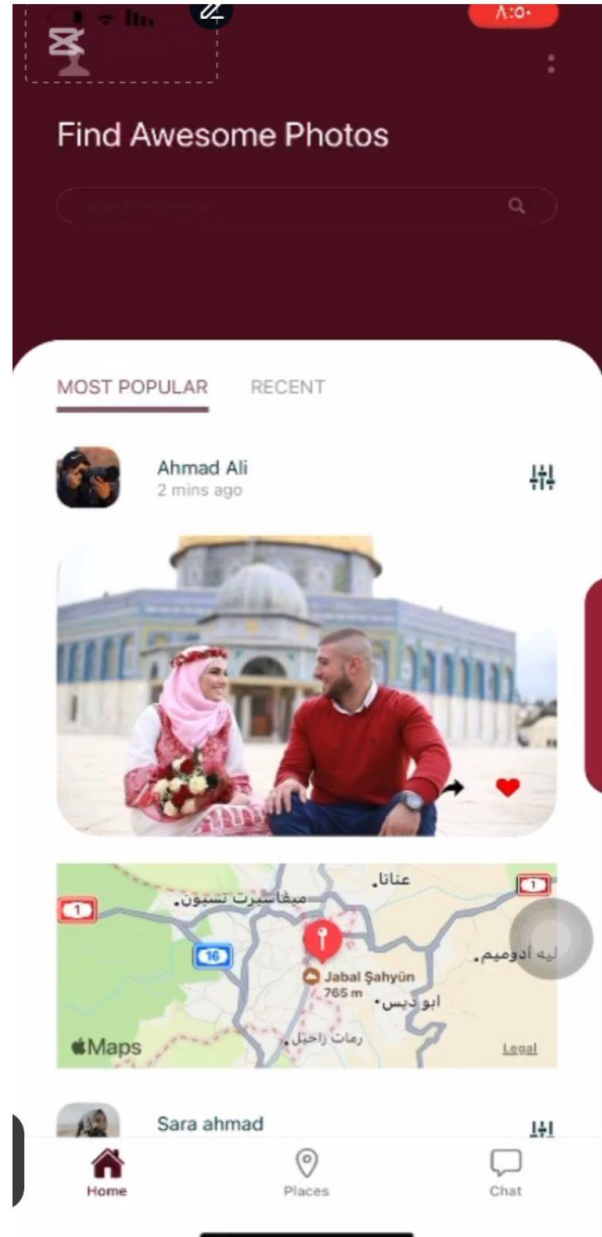
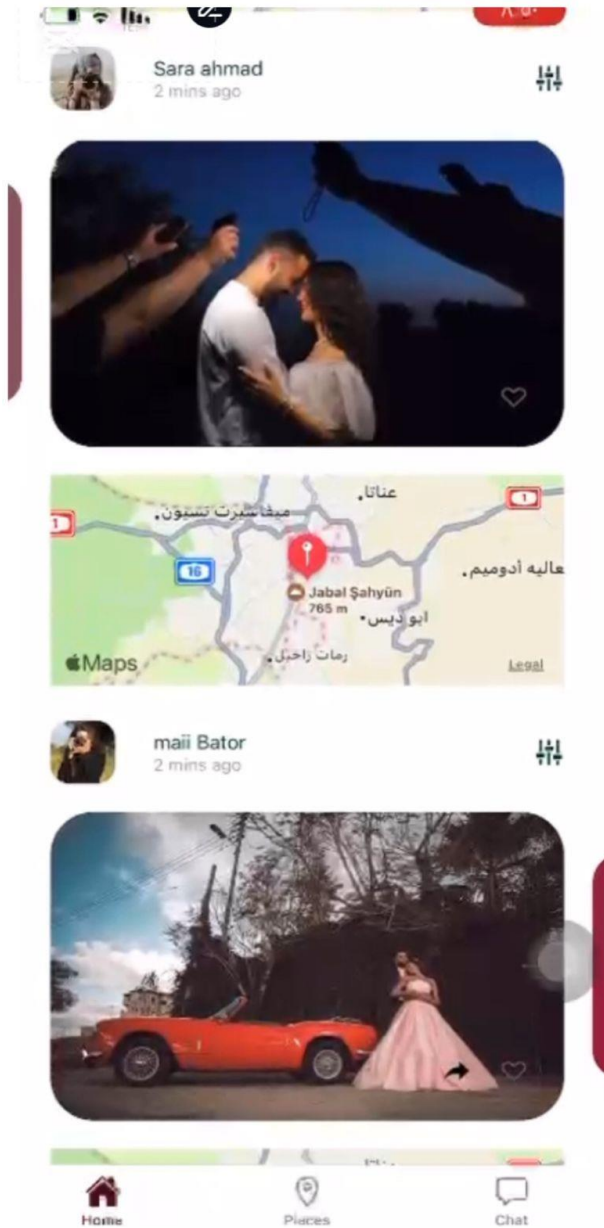


Figure 92:booking photographer chart2

## 4.7 Mobile Application Screens

### 4.7.1 User:





I'm Ahmad Ali

Photographer | Traveller

Photography is a way of feeling, of touching, of loving.

Phone Number :+970598207172

Appointment

Pictures & materal



I'm Ahmad Ali

Photographer | Traveller

Photography is a way of feeling, of touching, of loving.

Phone Number :+970598207172

Appointment

Pictures & materal



مواعيد يوم 18-01-2025

8:00 AM - 9:00 AM reserved by you

9:00 AM - 10:00 AM

10:00 AM - 11:00 AM not\_reserved

11:00 AM - 12:00 PM

12:00 PM - 1:00 PM not\_reserved

1:00 PM - 2:00 PM

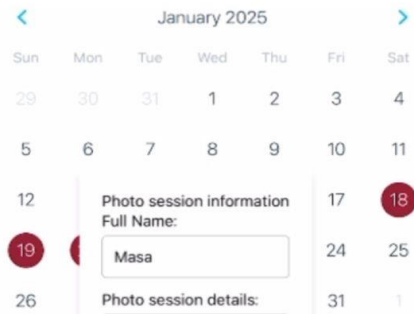


Photo session information Full Name:

Masa

Photo session details:

جلسة تصوير تخرج

Location:

شارع 10 - نابلس

Phone number:

0592895347

Email:

Masa12@gmail.com

Save

18-01-2

8:00 AM reserved

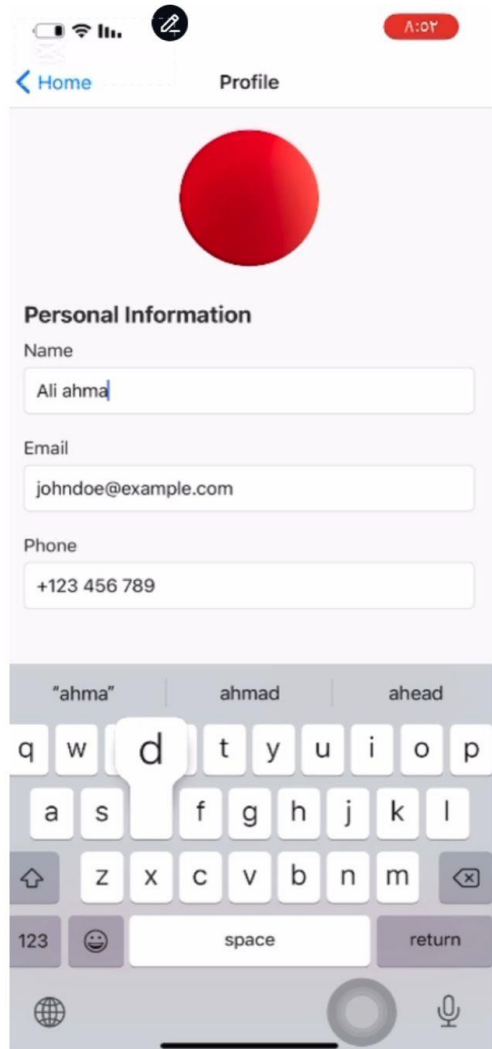
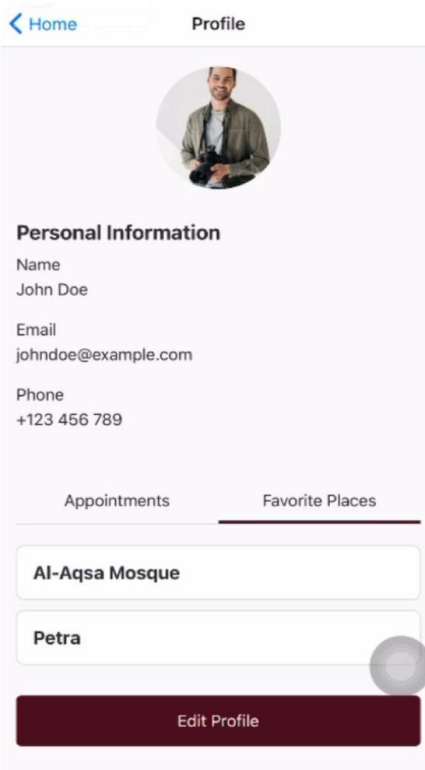
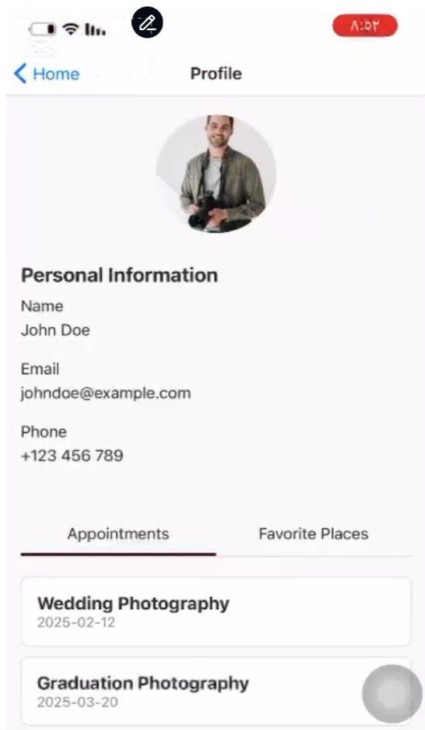
9:00 AM

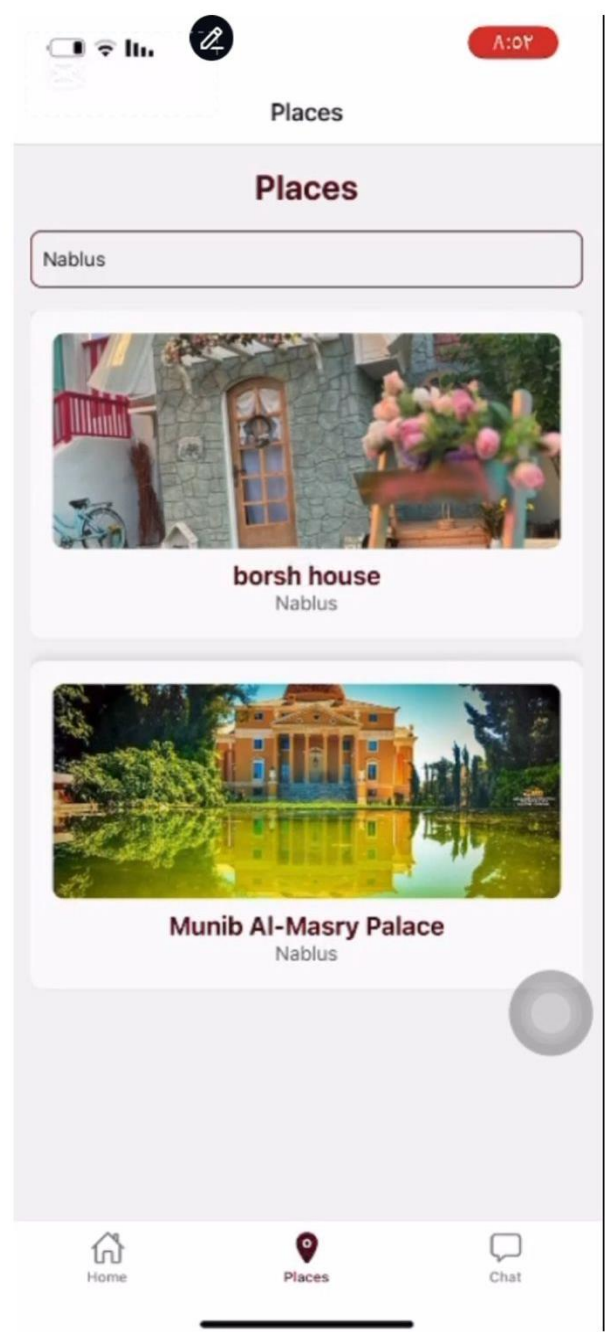
10:00 AM not\_rese

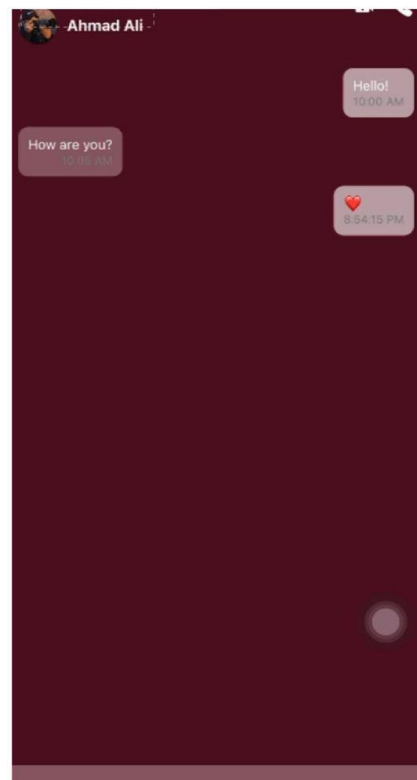
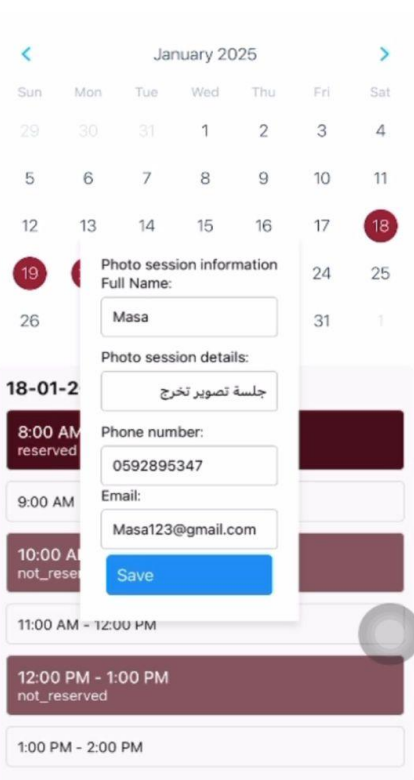
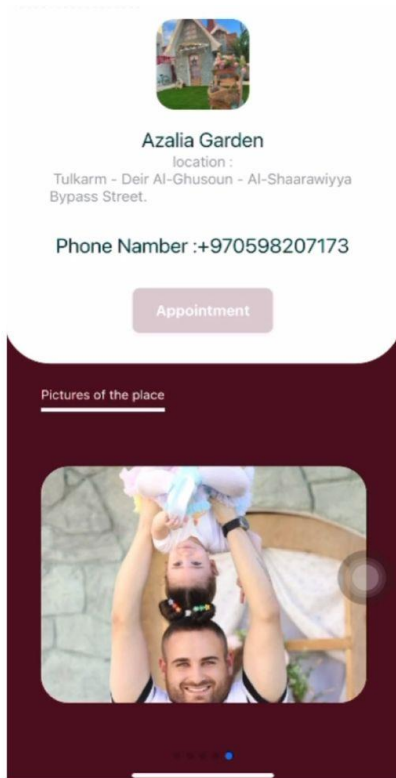
11:00 AM

12:00 PM - 1:00 PM not\_reserved

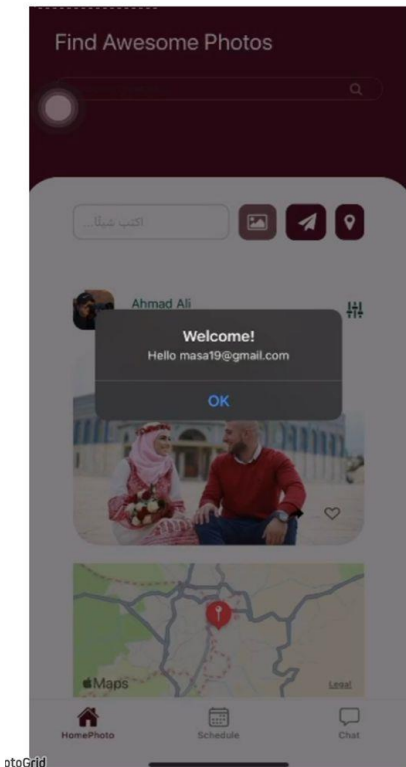
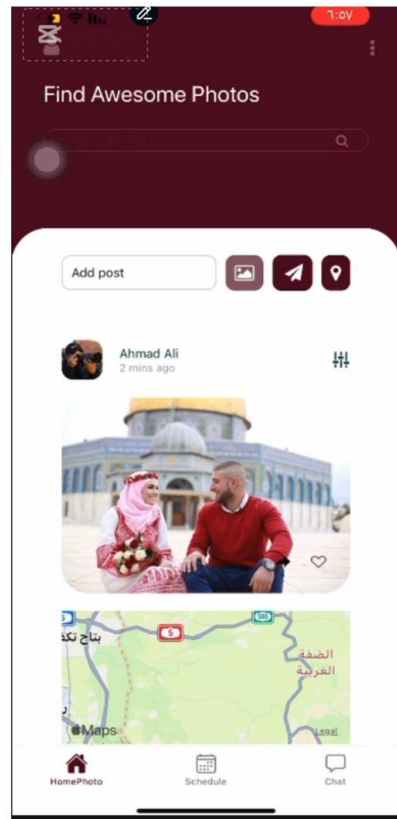
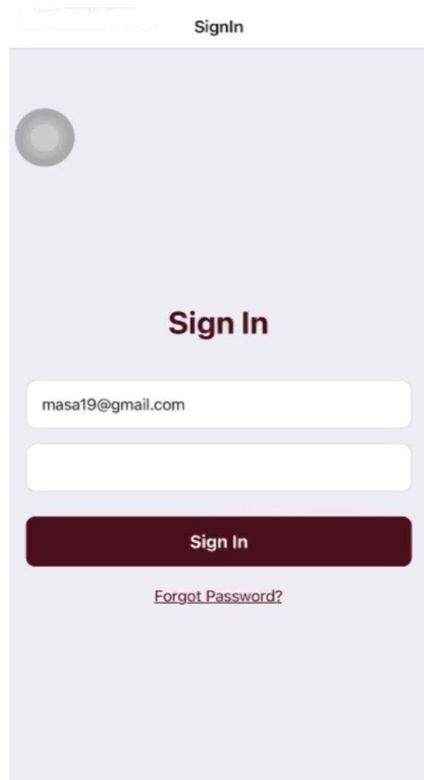
1:00 PM - 2:00 PM

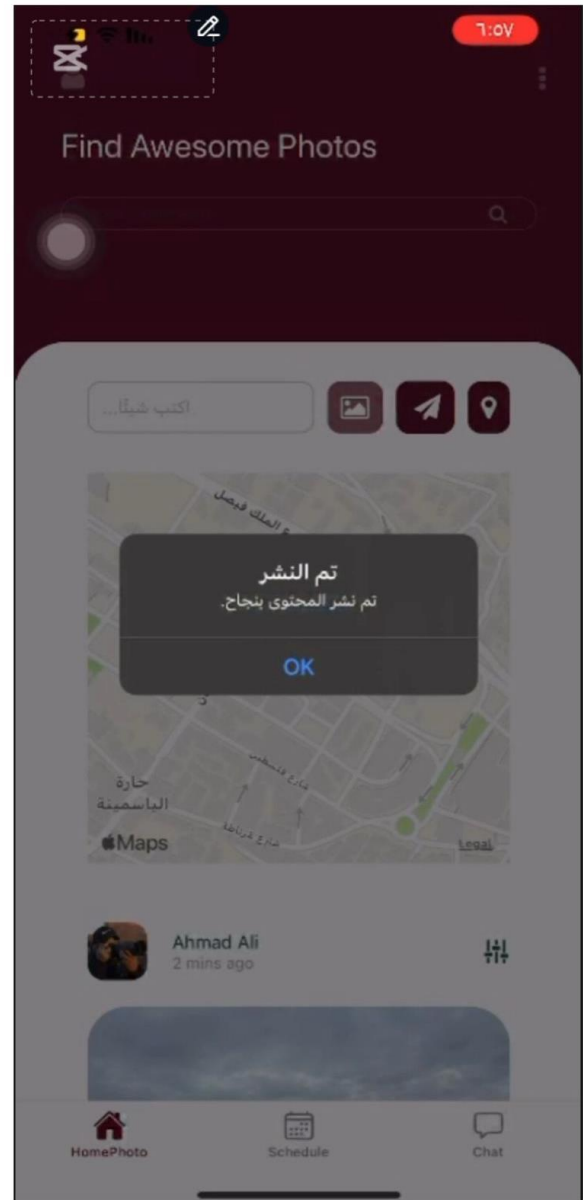
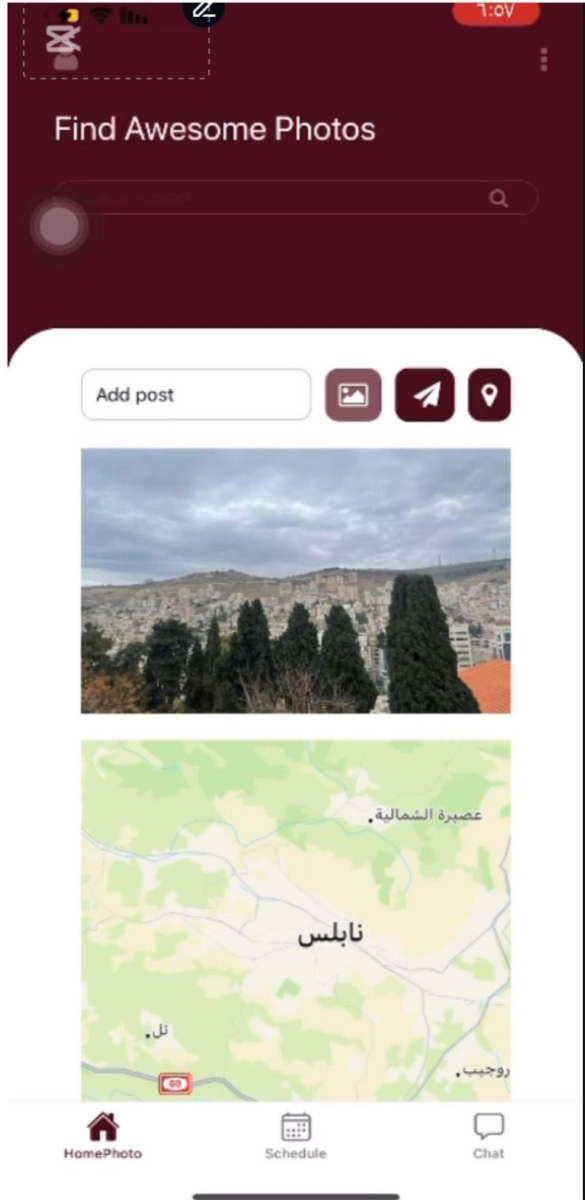


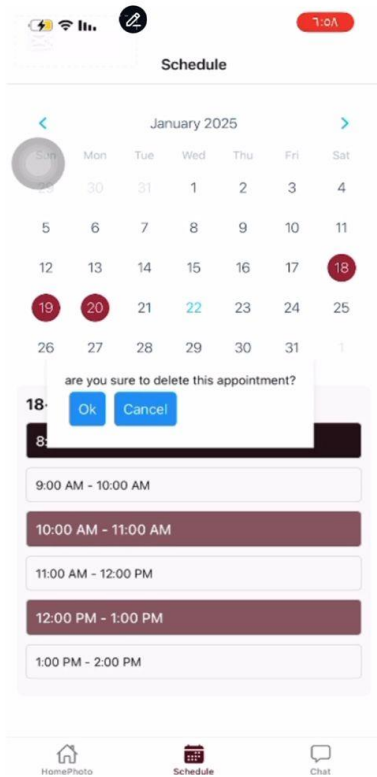
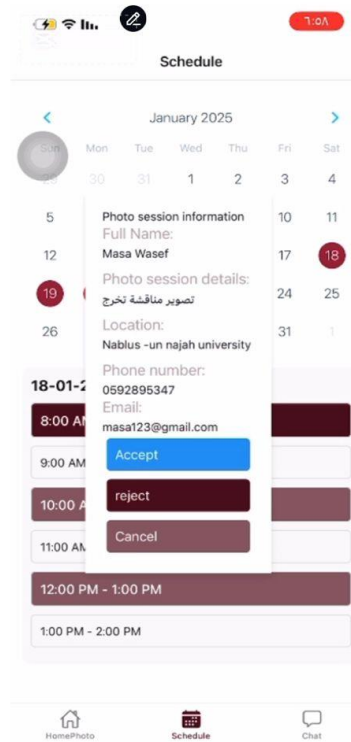
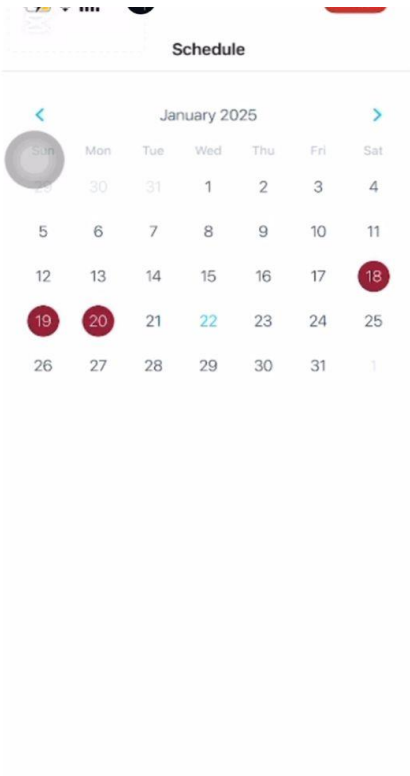


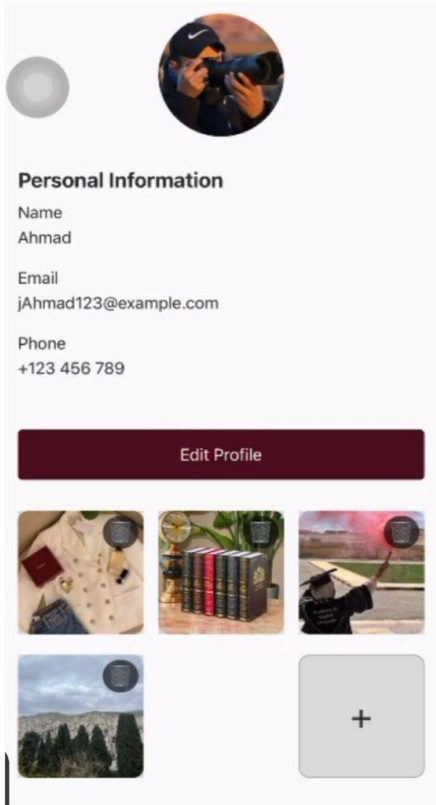


## 4.7.2 Photographer:

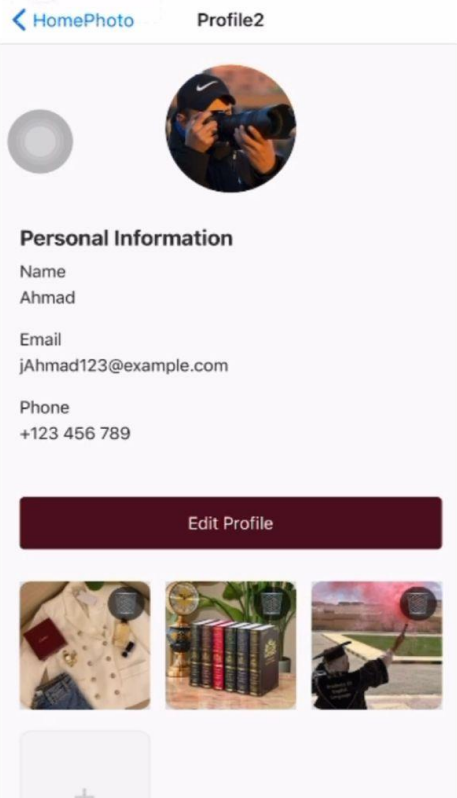




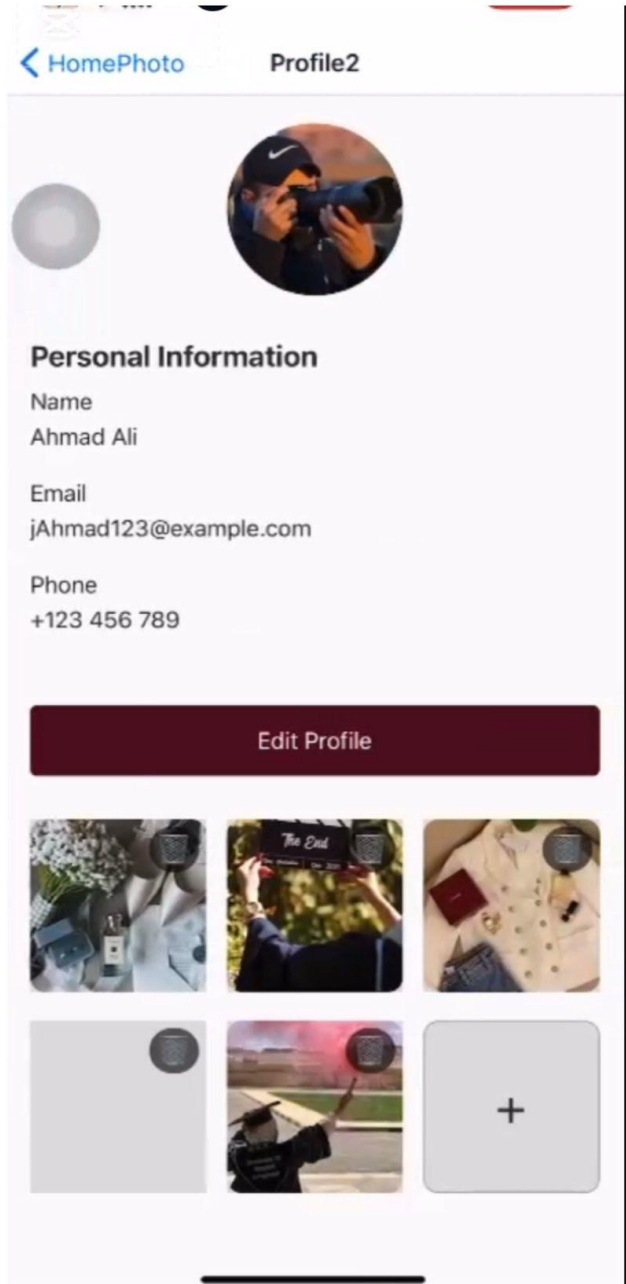




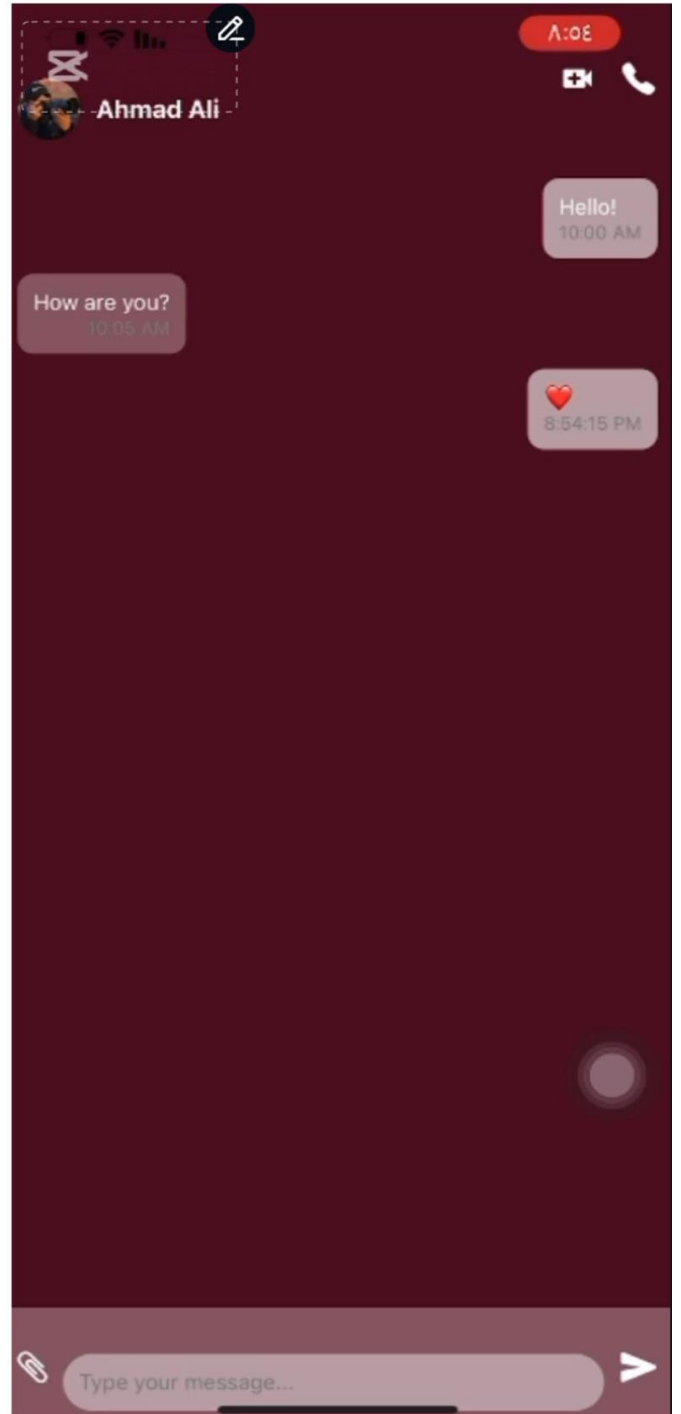
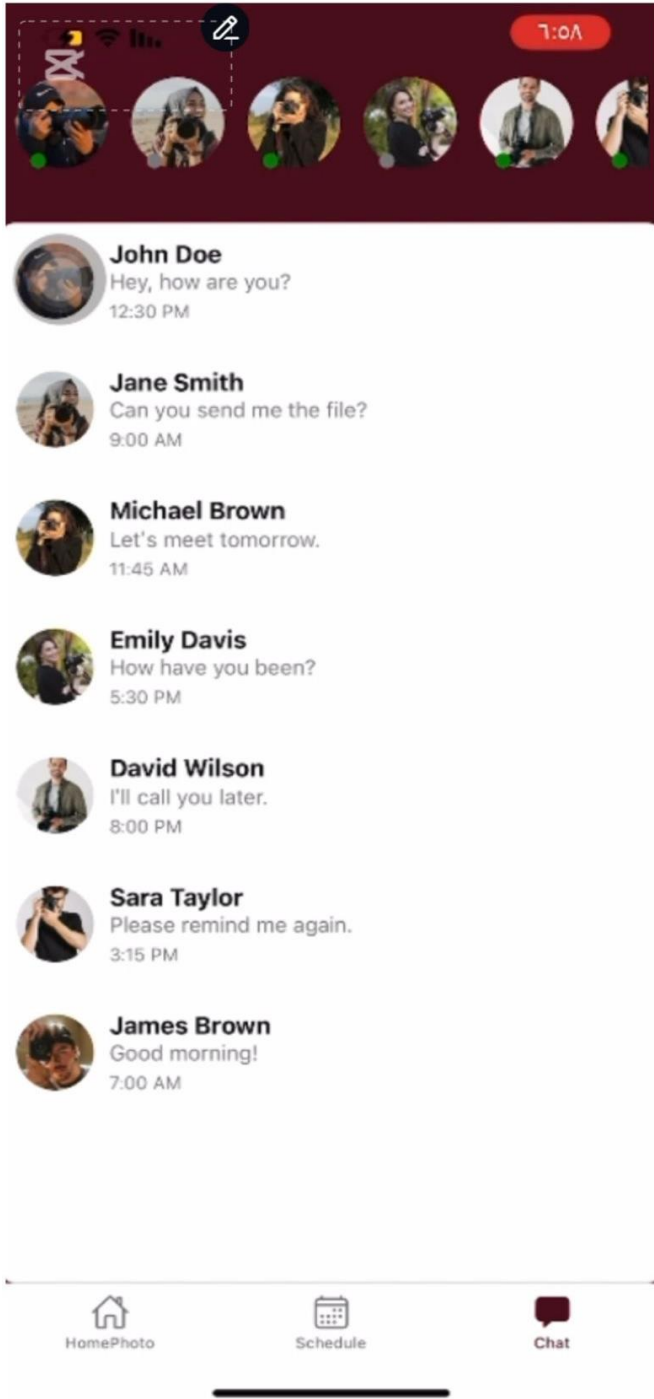
Profile page for Ahmad. It features a circular profile picture of a man with a camera. Below the picture is the text "Personal Information", "Name Ahmad", "Email jAhmad123@example.com", and "Phone +123 456 789". A dark red "Edit Profile" button is located below the contact information. Underneath the button is a grid of five photo thumbnails: a white jacket, a stack of books, a person with a camera, a landscape with trees, and a grey square with a plus sign.



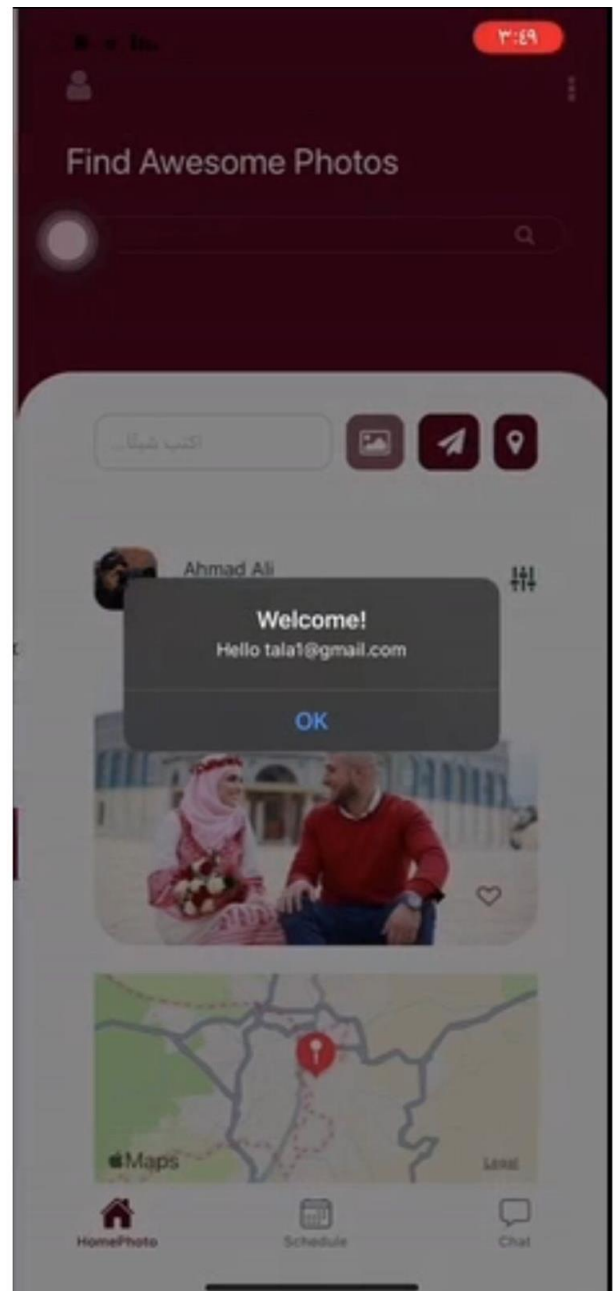
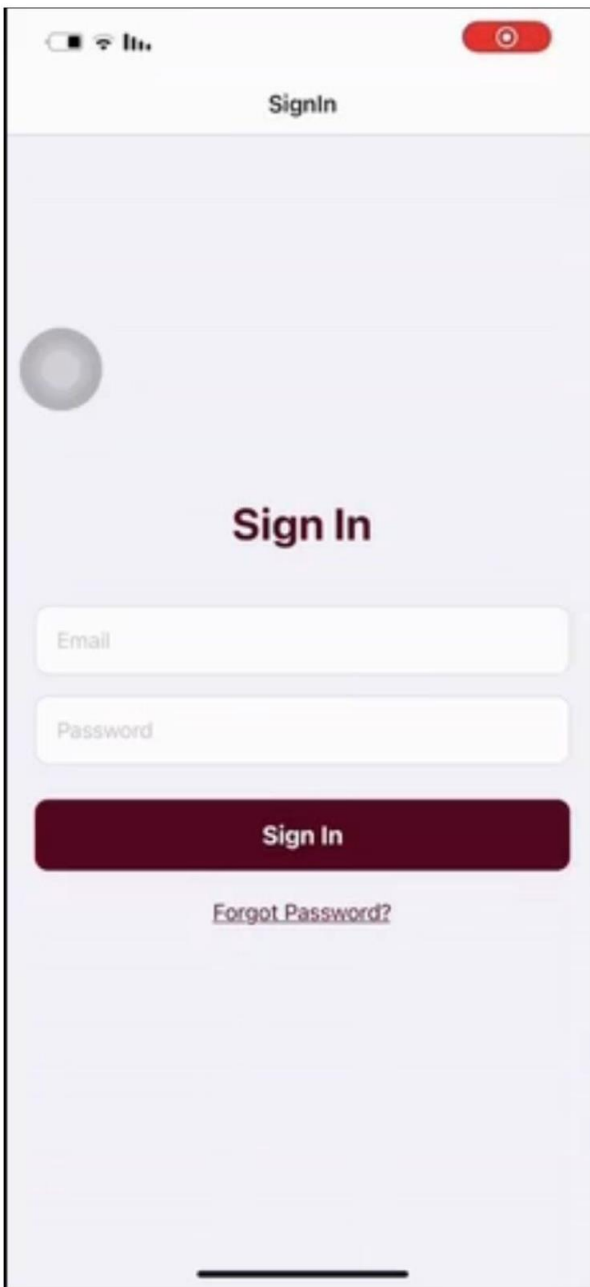
Profile page for Ahmad, identical to the first one but with a different grid of photo thumbnails. The grid contains: a white jacket, a stack of books, a person with a camera, a grey square with a plus sign, and a landscape with trees.

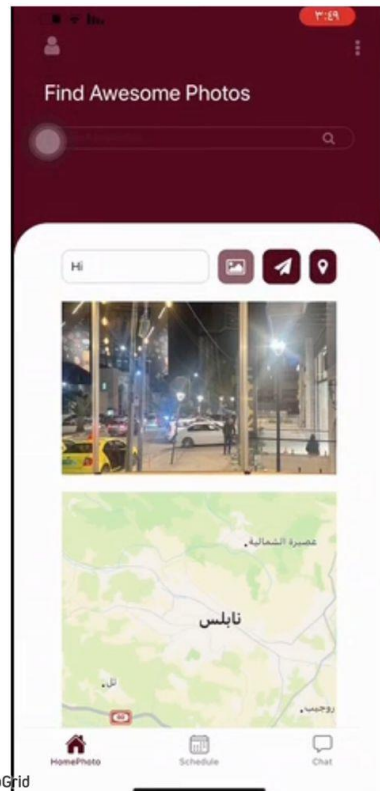
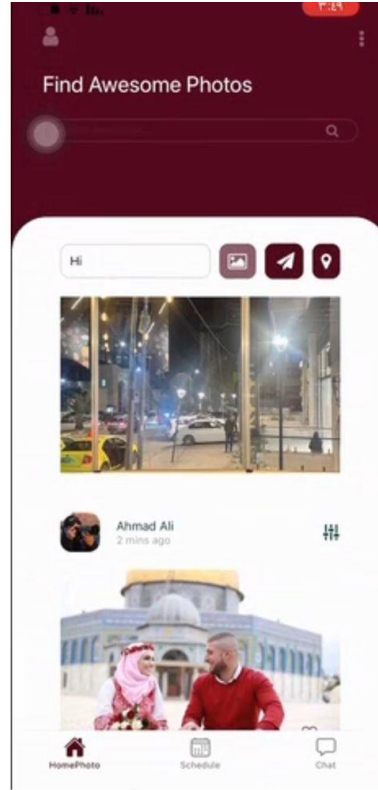
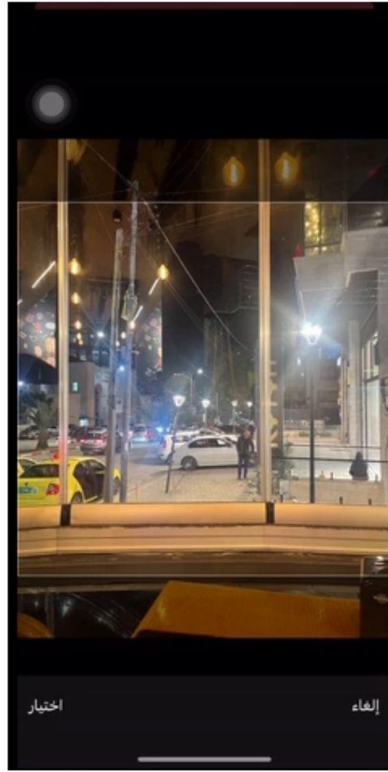


Profile page for Ahmad Ali. It features a circular profile picture of a man with a camera. Below the picture is the text "Personal Information", "Name Ahmad Ali", "Email jAhmad123@example.com", and "Phone +123 456 789". A dark red "Edit Profile" button is located below the contact information. Underneath the button is a grid of five photo thumbnails: a white jacket, a person holding a sign that says "The End", a white jacket, a grey square with a plus sign, and a person with a camera.

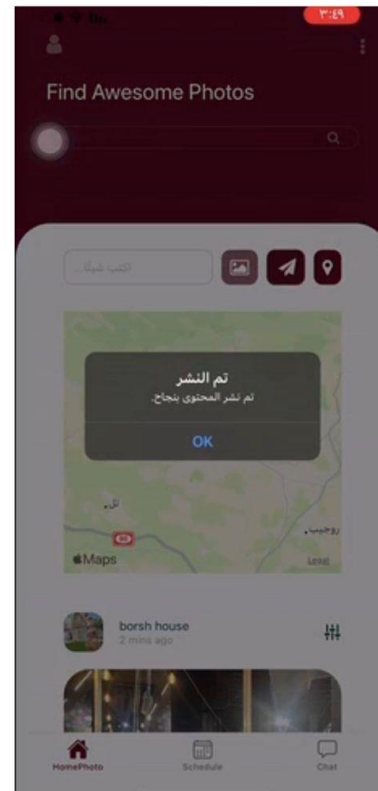


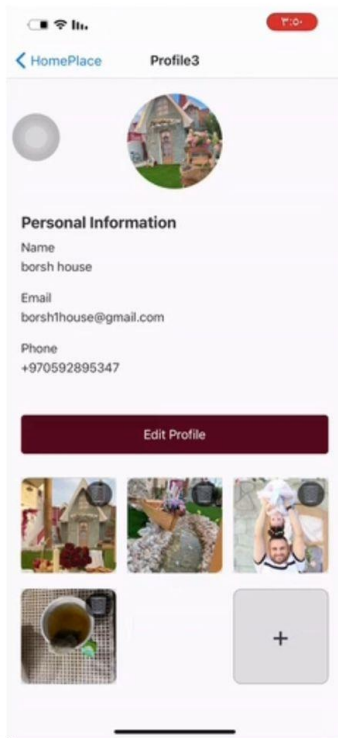
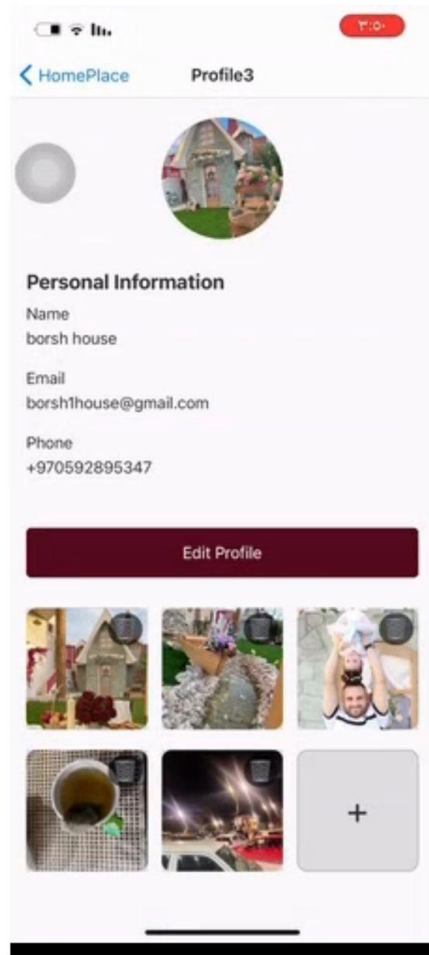
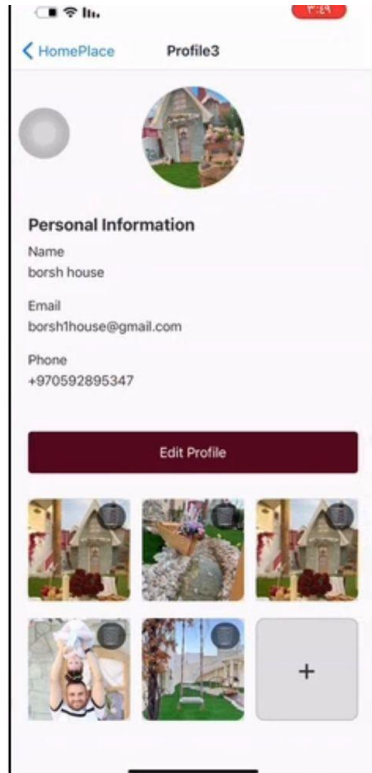
### 4.7.3 Place Owner

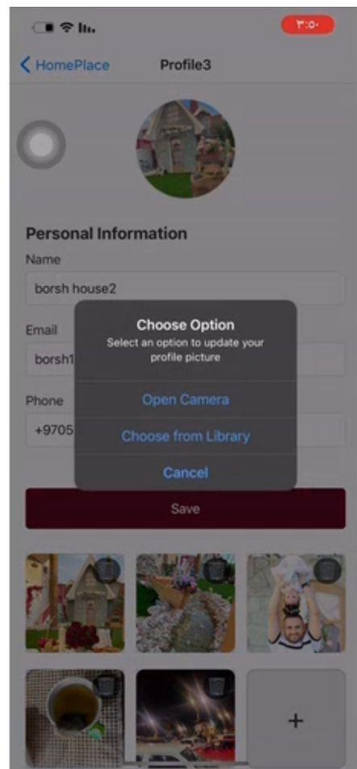
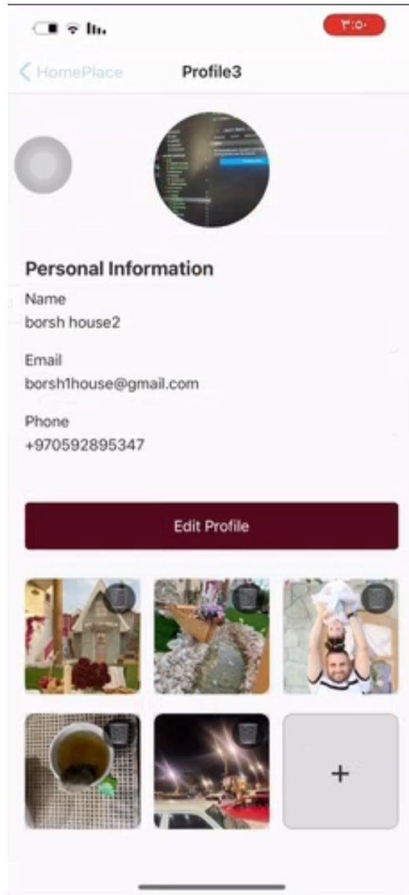
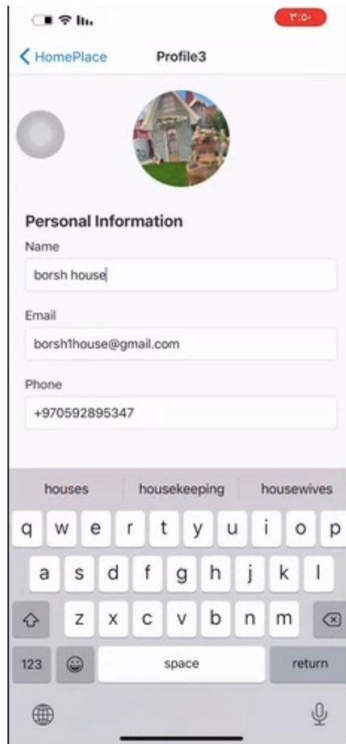




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