



AN-NAJAH NATIONAL UNIVERSITY

FACULTY OF ENGINEERING & INFORMATION TECHNOLOGY

DEPARTMENT OF COMPUTER ENGINEERING

GRADUATION PROJECT I



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Acknowledgement

I begin with the help of Allah the almighty and the compassionate.

In this connection, we want to express our gratitude to the project for its success. It was not a very smooth ride, though by the grace of God and hard work, we were able to attain this feat. This success is also for us first of all, and it is also important not to forget the constant reinforcement that doctors, family, and friends have provided throughout the process. That they believed in us was a powerful force that would see one through equally challenging moments.

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We pray to God to gain from our learning and to pray that our graduation is the beginning of a shiny, bright future. and to assist us in being good indeed to our religion and our country as far as it meets His satisfaction.

Disclaimer

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Abstract

The idea of the project is to create a website and mobile aimed at assisting computer engineers and IT in obtaining projects to implement and accomplish them. Companies or anyone who wants to benefit from the services of the Site create and publish a project. In the first part of the application, engineers submit job applications to the project owner where the site compares the qualifications and capabilities of advanced engineers and clarifies if the project needs ai or image processing for example. The site helps to classify and rank applicants' abilities within the criteria of their programming in advance and provides results to the entrepreneur to help them distinguish and choose between applicants. One of the criteria is to apply for certain tasks aimed at determining the applicants' success and repetition rates. For the second part of the project and after the selection of those admitted to the specific function, each employee must perform multiple tasks within the project plan. These tasks are distributed to the staff as follows time line, schedule and calendar. The project owner will be provided with notification and the project will create conversations and discussions with the staff as well as publications.

1 Introduction

In the midst of increasing numbers of computer engineers and other programming disciplines and employment opportunities, it is not easy to find a suitable job in all circumstances, it appears that "EngTrack" comes as a web-based platform and a portable application to improve this process and is innovatively designed to simplify this journey. Through the use of techniques such as Flutter, Node.js, and NoSQL, 'EngTrack' is suitable for both employers and job seekers.

The specific purpose of the project is to create a website and smartphone application to help computer engineers and information technicians to protect and finalize working projects. Employers and employees who seek to avail themselves of the services of the platform develop job projects or vacancies with mentioned salaries and requirements. There is also a differentiation of people for each position, where the dynamic assessment is carried out for a particular candidate. Engineers manage such opportunities, pass the relevant tests, and once they are done, upload their CVs along with applications. The platform introduces the concepts of compatibility that allows the user to compare the given job description to the engineer's resume and get the compatibility degree. On the basis of the students' initial assessments and compatibility with companies, the latter choose to hire or otherwise the applicants. Resource assignments occur once a project is accepted within timelines and schedules and are facilitated by the platform's task management system.

EngTrack has many benefits which are; reducing the length of time and costs companies may take while trying to recruit through dynamic tests and automation, making the selection and hiring of candidates much more accurate. The project also provides the management of tasks in order to facilitate the work and guarantee the implementation of the work within a specified period.

Further, the application not only assists in project management but also creates opportunities for Palestinian and any other person around the world to fully employ his/her skills. This comes at a time of numerous difficulties and rising populations and the credit must go to EngTrack for developing an integrated system of self-promotion of services and project organization. By implementing this approach, people do not only gain a career promotion but also a possibility to work on developing services in different areas, thus strengthening the capacity for meeting the current and future complex tasks.

The project structure begins with an introduction, addresses constraints, challenges, and relevant methodologies shaping the project, and includes a literature review that explores current research to contextualize the project. Methodology details approaches, development processes, and tools utilized, followed by results and analysis, where data and comparisons are interpreted based on predefined criteria. The project concludes with a summary of key findings and outlines potential future directions.

2 Constraints & Earlier Coursework

2.1 Limitations & Constraints

2.1.1 Limited Time

Time management during the construction of EngTrack was extremely challenging, mainly due to the extensive and complex nature of the project schedule. Every task within EngTrack requires precise execution with meticulous attention to detail. Hence, our organization prioritized core functions and strategic planning to effectively manage project complexities and time constraints. Given these limitations, our approach focused on maximizing efficiency to quickly develop core components of EngTrack while ensuring high quality standards were maintained and diverse functionality was accommodated.

2.1.2 Limited Resources

Indeed, companies' both being busy and failure to communicate due to diverse reasons did not allow us to complete the analysis of our project in many aspects, having studied its principle and systems in many things to complete it. And without resources and considering the limited resources allocated to the project, our focus on the creativity and efficiency for navigation, developed an innovative application, which proves our ability to work with limited and short resources. Thus, having identified the needs of users, as well as having seen the current trends in this sphere, we outlined solutions that allow satisfying the expectations of users differently.

2.2 Earlier Coursework

University courses have led to different aspects of the learning process. A strong knowledge base - that's very important in building EngTrack. Technical specialization in engineering projects, website design and development and database management is very useful. offered me an overview of building a user interface, and developing the design of the system. That was very important as a way to master different technologies like Flutter. Development of the front line and development of the node for backward development. Our studies are in this kind of field. You have given us the capacity that can only help us, when it comes to addressing a variety of the requirements of our project.

3 Literature Review

Integrating technology into all aspects of life has led to innovative solutions to age-old challenges. Engineering and programming professionals face problems such as high numbers of graduates, difficulty finding suitable jobs, and reliance on ineffective assessment methodologies. This literature review examines technological developments in this field, focusing on applications that facilitate interaction between job seekers and employers and reduce cross-cutting issues.

LinkedIn is one of the most professional platforms that thrives on technology, making it easier for professionals to connect with employers. LinkedIn offers tools like social networking, job searching, and testimonial sharing. A study by Singh et al. (2020) shows that LinkedIn contributes significantly to improving job opportunities by enhancing interaction between job seekers and employers.

On the other hand, Upwork is a leading freelancing platform that aims to connect freelancers and entrepreneurs. According to a study by Kokkodis and Ipeirotis (2016), Upwork provides effective solutions to entrepreneurs through a transparent evaluation and review system, which enhances trust among the parties involved.

In this regard, EngTrack as a project benefits from previous experience with such platforms and provides additional innovative features that meet the specific needs of engineers and programmers. EngTrack leverages advanced technologies like Flutter, Node.js, and NoSQL, making it a comprehensive platform that facilitates interaction between engineers and companies. Furthermore, the app relies on artificial intelligence to match job descriptions with engineering resumes and provide compatibility scores to help companies make more efficient hiring decisions. This approach reflects findings by Leicht-Deobald et al. (2019) on the effectiveness of using AI tools that reduce bias while increasing speed and accuracy in the recruitment process.

Due to such aspects, EngTrack differs from other platforms as it provides a set of integrated solutions that meet the modern worker's needs and help increase the service quality in several ways. Thus, EngTrack aids Palestinians and the entire global population in revealing their talents and gaining employment, contributing to the improvement of economic development in areas facing political and economic challenges.

In conclusion, EngTrack can be considered a qualitative leap in the sphere of company management and employment platforms, maintaining the perfect balance between the historical and modern approaches integrated into the platform. It is able to cover all the necessary requirements of business owners and job seekers.

4 Methodology

4.1 Development Tools and Technologies

4.1.1 Tools

- Visual Studio Code: Used as the front-end and back-end development environment, providing an integrated environment for code editing and project management.
- Firebase: Utilized for creating notifications and messages, including storing texts, images, and PDF files.
- Postman: Employed as an API interface tool, facilitating easy HTTP request execution and response handling. It played a crucial role in developing functionalities and effectively testing variations in a structured manner.
- Android Studio: Used as an emulator to test the mobile application on various virtual devices, ensuring compatibility and smooth functionality.
- GitHub: Utilized for file exchange, enabling collaborative version control and efficient management of codebase changes across the team.
- Flask and Python: Employed for creating the AI part to determine the similarity ratio between job applicants and job requirements, enhancing the efficiency of candidate selection processes.

4.1.2 Programming Languages and Frameworks

When deciding on what technology to use while developing EngTrack, we selected Flutter because of its robust platform that offers the ability to build for mobile iOS and Android, web, and desktop platforms with the same code. For backend development, Node.js was chosen for the reason that it is well suited for the management and controlling of asynchronous activities, which are fundamental in engineering spectacular and scalable web applications. Such a foundation of technologies guarantees clean and effective code and creates the coherent and efficient experience across platforms and devices to help us address the needs of various users.

4.1.3 Database Design and Management

Choosing the NoSQL database (MongoDatabase) for our project was a decision based on several factors. NoSQL has an excellent ability to store diverse data, but without the need for prior structuring. It is easier to handle in all aspects, given that our application requires updates to

keep pace with the tremendous development in technology and corporate policies in the world. It is also characterized by the ability to easily expand horizontally, which facilitates the addition of new resources to process the increase in the volume of data and the number of data. users without significant impact on performance. Because it is simple and the structure is simple, it makes the user experience quick in accessing data and its instant updates, making it the ideal choice for a project that requires dealing with a large variety of data and maintaining excellent performance at the same time. We utilized Firebase effectively for storing notifications, messages, and CVs (resumes) for applicants.

4.1.4 Database Design and Management

Database Tables

- **Companies Table:** The Companies table serves as the cornerstone of the project, storing company data including email, name, password, location, website URL, establishment year, and company specialization.
- **Engineers Table:** is crucial for storing engineer data, including name, skill number, address, GitHub profile, email, username, password, and university name.
- **Bookmarks Table:** is essential for saving jobs that engineers find interesting. It includes user ID and job ID.
- **Tasks Table:** is designed to store tasks for each job and is associated with a group of engineers who are members of it. Each task includes a start and end date, task title, and is linked to a job ID. Additionally, tasks are categorized using a To-Do list format, with categories such as Done, In Progress, Under Review, and To-Do.
- **Jobs Table:** The Jobs table serves as a repository for job postings with associated details. Each job posting is linked to a specific company, containing information such as full-time or part-time status, price, location based on the company's location, description, title, and requirements for the company. Each job is linked to an array of tasks in the Tasks table and an array of members (engineers who accepted the job)
- **Quizzes Table:** The Quizzes table is designed for each job posted to have a quiz associated with it. It includes a question stored along with 4 options, all linked to the job by its job ID.
- **Applications Table:** The Applications table is crucial for managing job applications submitted after completing the quiz and uploading the engineer's CV. It stores the CV link, quiz score, similarity percentage according to the job, and is associated with the engineer, company, and job.
- The chat and notification data were stored in Firebase.

4.2 Mobile App System Features

The mobile application, 'EngTrack', was developed to enhance communication and clarity between companies and engineers. It facilitates seamless interaction, ensuring efficient communication channels and clear understanding during their engagements

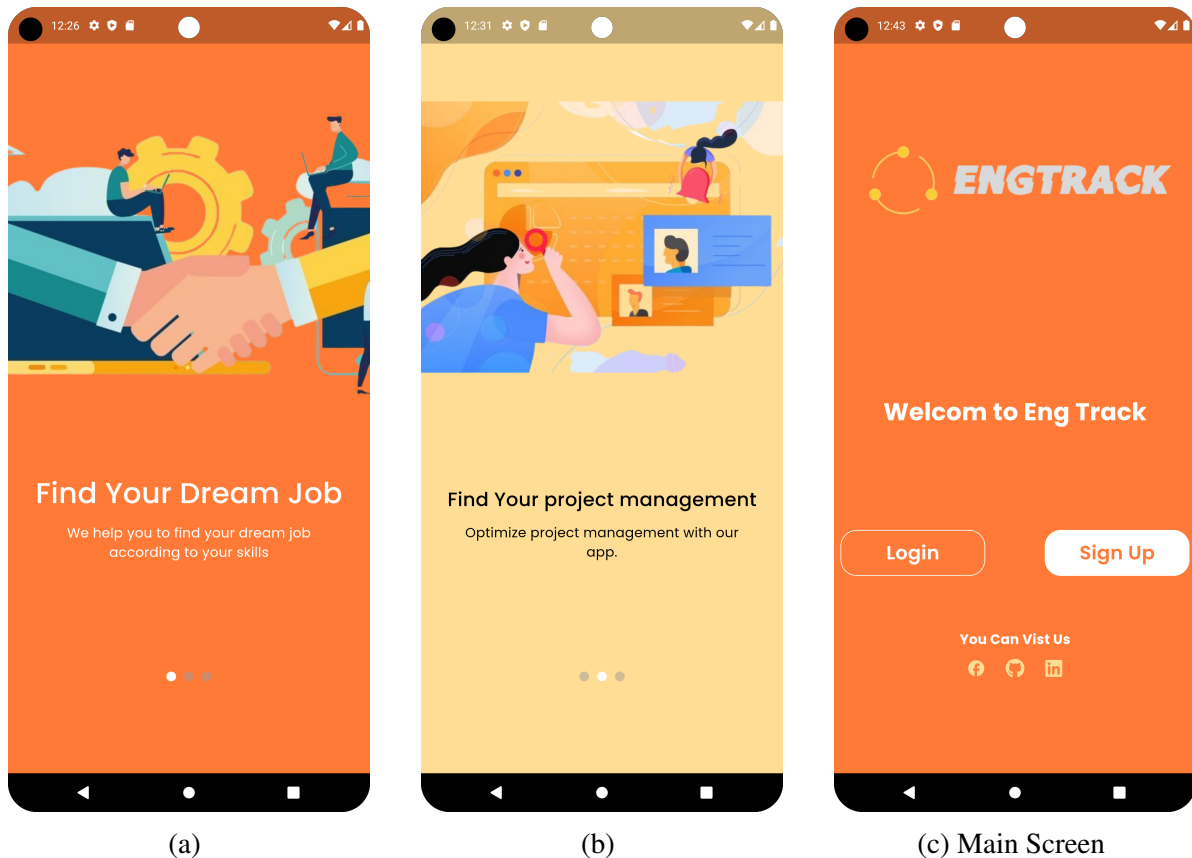


Figure 4.1: onboarding Screen

In the Main Screen, our application is showcased as a tool dedicated to optimizing job applications and efficiently organizing task schedules. The interactive onboarding process guides users through the project's core features, complemented by visual aids that offer a comprehensive overview of its functionalities. Additionally, there are options for sign-up and login directly accessible from the main screen.

4.2.1 Sign-Up Process

The Sign Up screen for the application allows users to enter their username, email, and password. Users have the option to show or hide their password. Figures 4.2.1.2 and 4.2.1.3 illustrate the signup processes for an engineer and a company, respectively

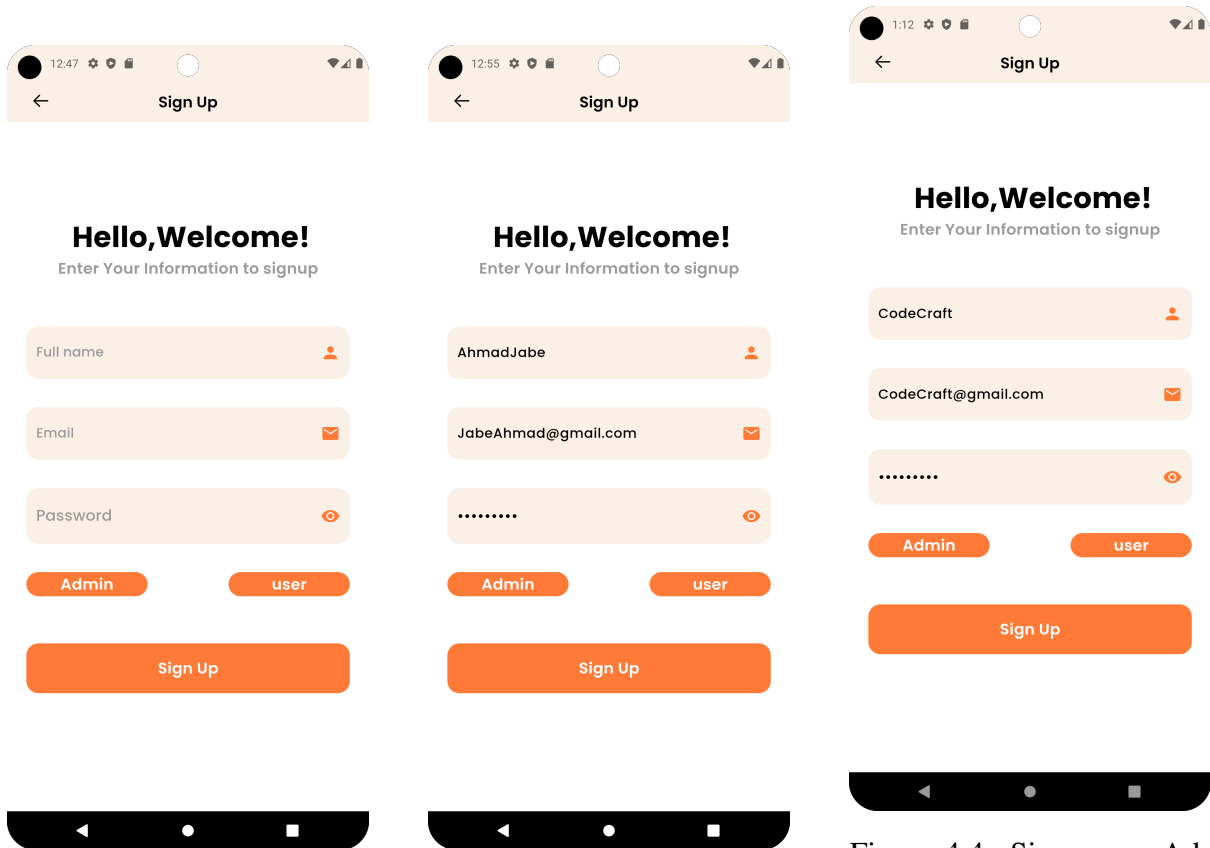


Figure 4.2: Sign up

Figure 4.3: Sign up as user

Figure 4.4: Sign up as Admin

To register in the app, the email must include '@'. Similarly, the password must be at least 8 characters long. If these conditions are not met, an alert will notify the user, as illustrated in Figure 4.2.1.4 and Figure 4.2.1.5.

4.2.2 Login Process

The login process is designed for users who have already created an account. It ensures secure access to their accounts with the credentials established during registration.

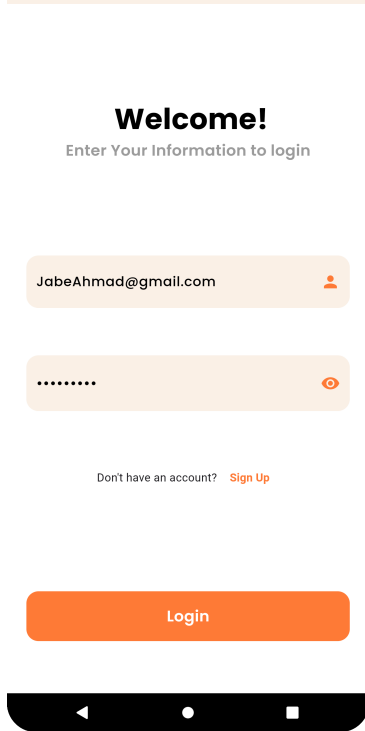


Figure 4.5: Login as user

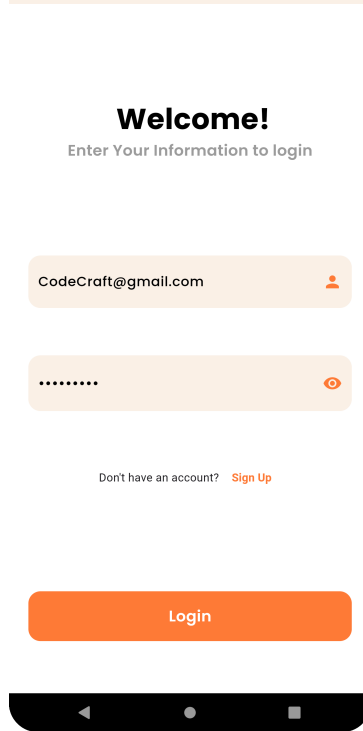


Figure 4.6: Login as Admin

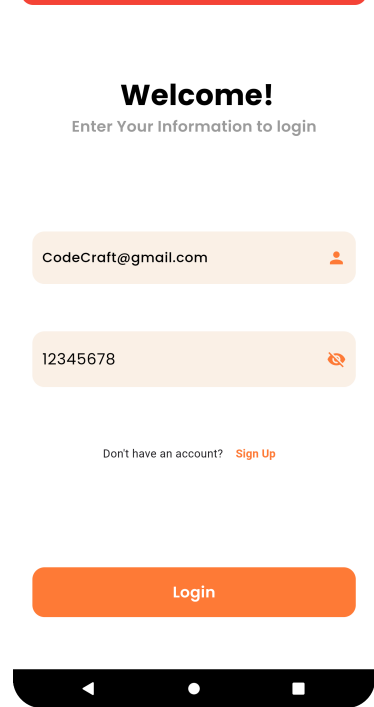
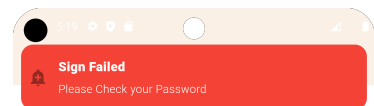


Figure 4.7: Failed to Login

In Figure 4.2.2.4, if the password entered is incorrect, the login attempt will fail. Pressing the eye icon will display the password for verification purposes.

For users logging into the app for the first time, it is necessary to fill out their profile details. Subsequently, upon successful login, they will be directed to complete their profile setup. However, if the user has logged in before and their profile details are already completed, they will bypass the profile setup step and be directed straight to the home screen or dashboard of the application. This streamlined process ensures new users complete their profile information while providing returning users immediate access to the app's main functionalities.

If you fill out all the required fields but fail to upload an image, you cannot proceed with submitting the description. This means uploading an image is necessary to complete the form

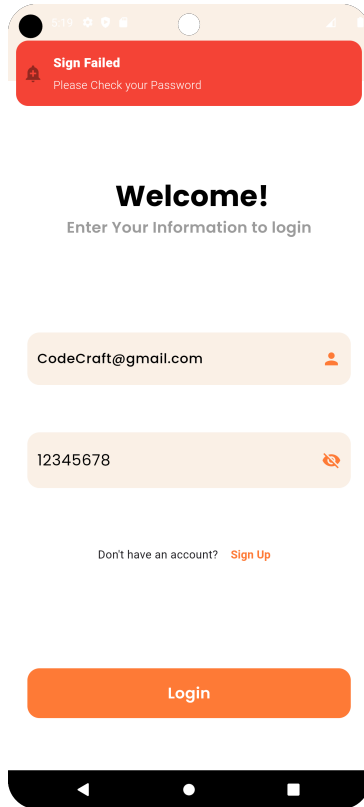


Figure 4.8: Failed to Login

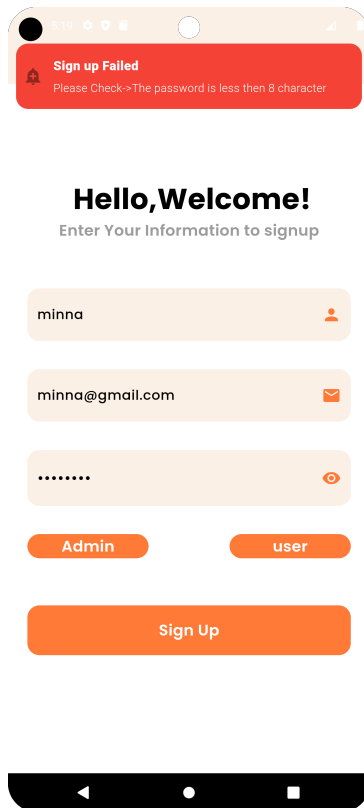


Figure 4.9: Failed to Login

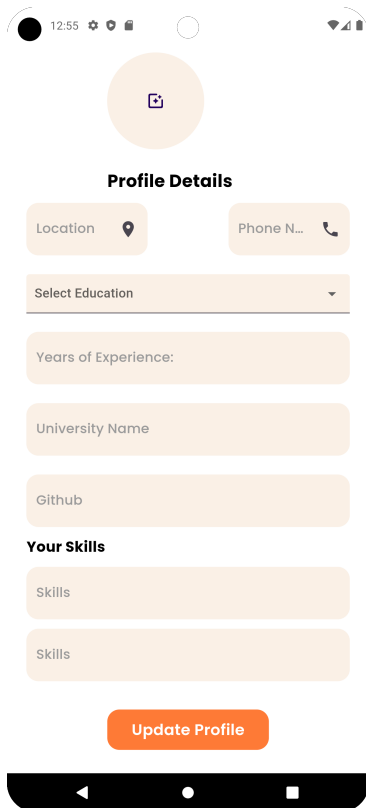


Figure 4.10: Profile Details as user

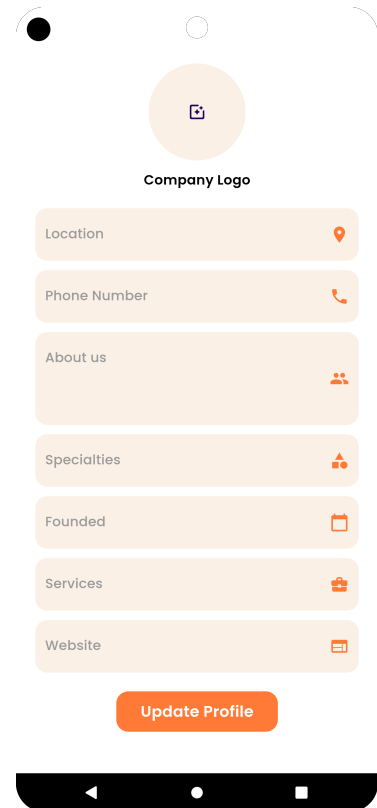


Figure 4.11: Profile Details as company

or entry process.

You can choose an image from your device's local gallery and use it as the description image. This feature allows users the flexibility to select an alternative image from their stored photos instead of needing to capture a new one or rely on a system-provided default image.

4.2.3 Company Side

At this part, the company has a menu with options to choose from in the app bar. Here are all the options available in the app bar menu (Figure 4.3.1.1). If you choose the first option, "My

Posts" there are no jobs created at this time, and it will display information about the company (Figure 4.3.1.2). This page to create new job (Figure 4.3.1.3).

After creating a job , you can add a dynamic quiz for applicants. This quiz allows you to customize and include various questions to assess their suitability.

This after the job create.(Figure 4.3.1.14)

This is profile page if you press in icon you can edit the information of the profile and the

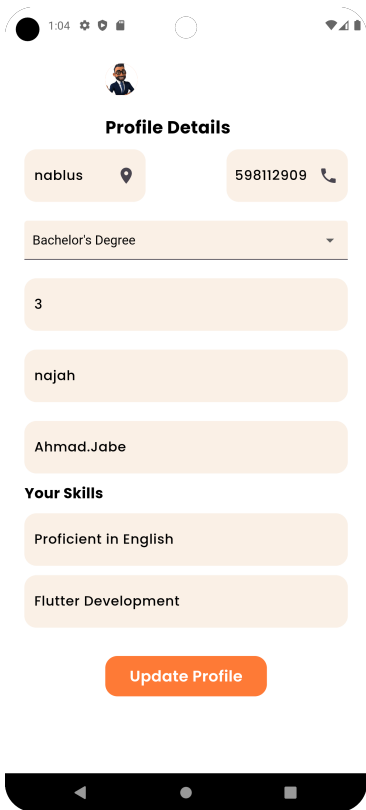


Figure 4.12: Profile Details as user

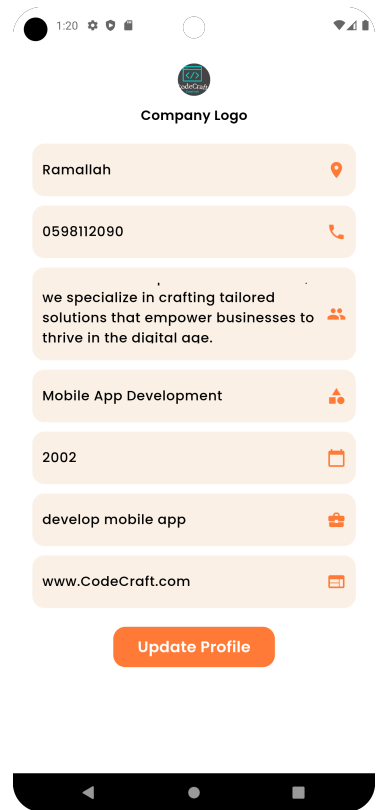


Figure 4.13: Profile Details as company

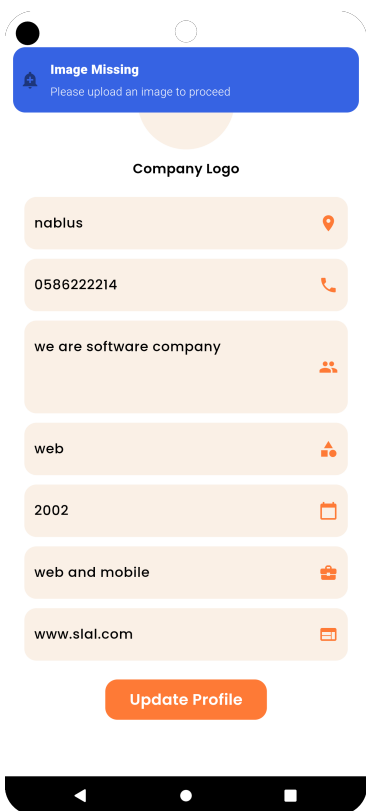


Figure 4.14: miss image



Figure 4.15: image cropper

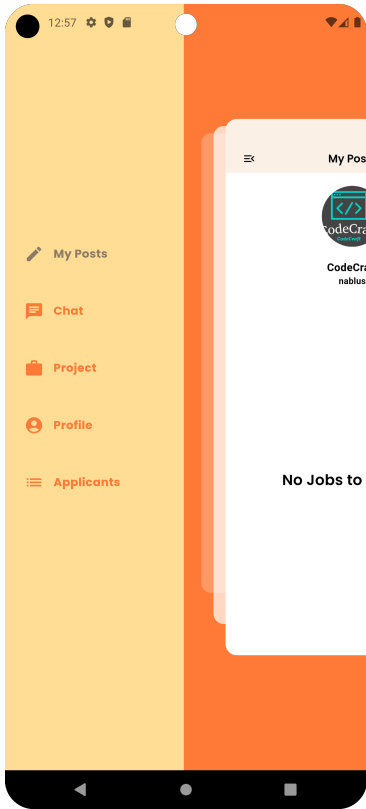


Figure 4.16: List menu



Figure 4.17: Company Post

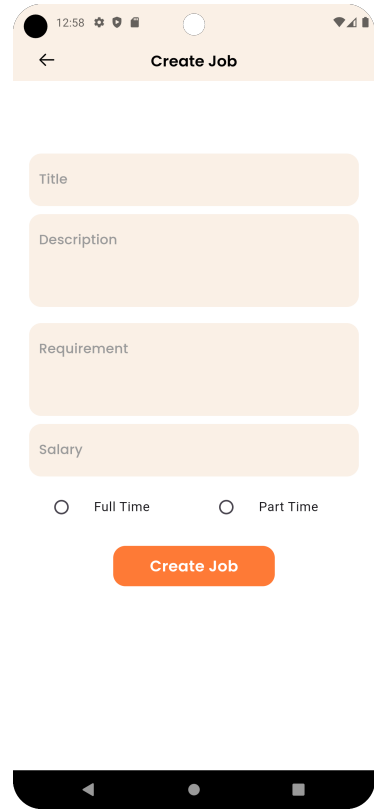


Figure 4.18: Create Job

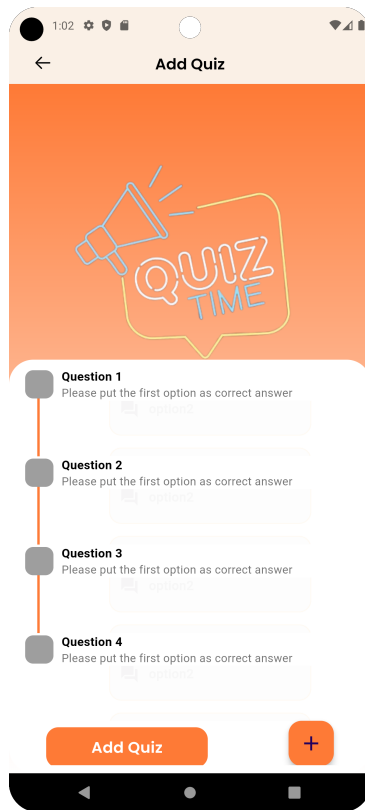
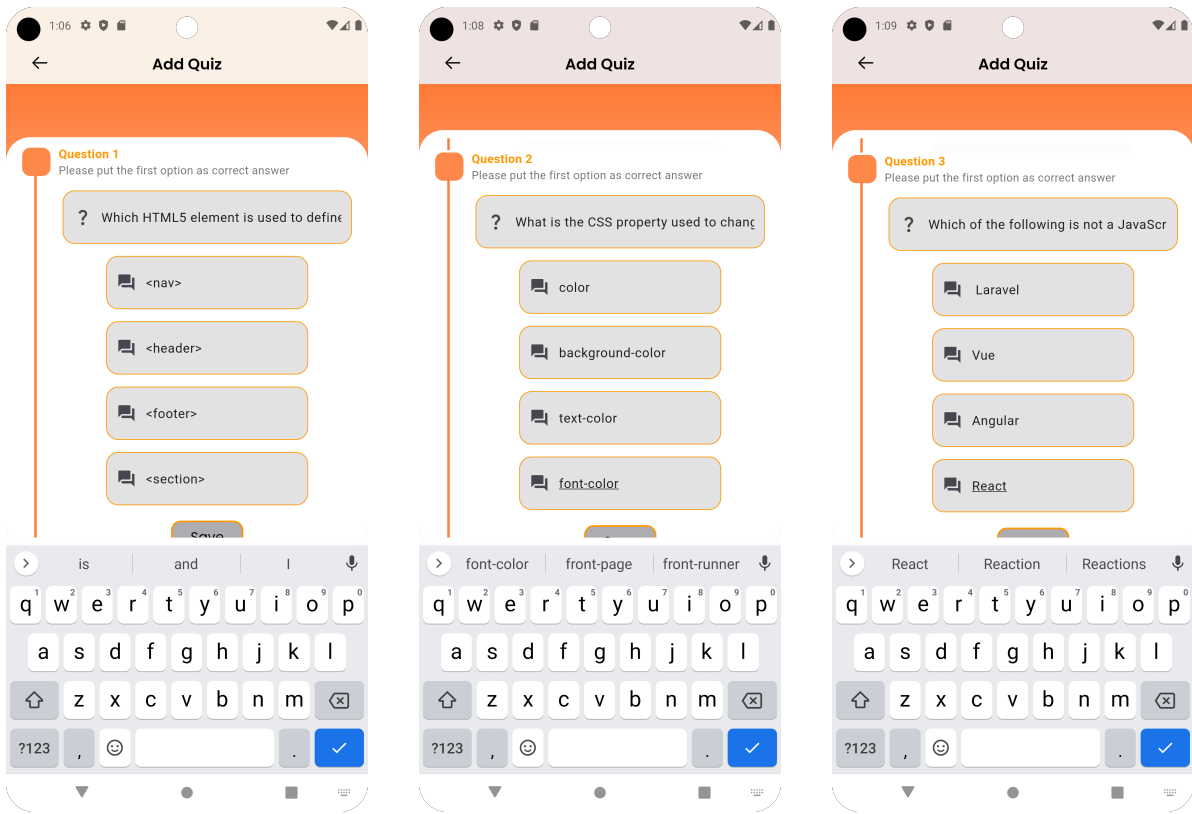


Figure 4.19: Create Quiz



(a) Question

(b) Question

(c) Question

Figure 4.20: Questions

image.

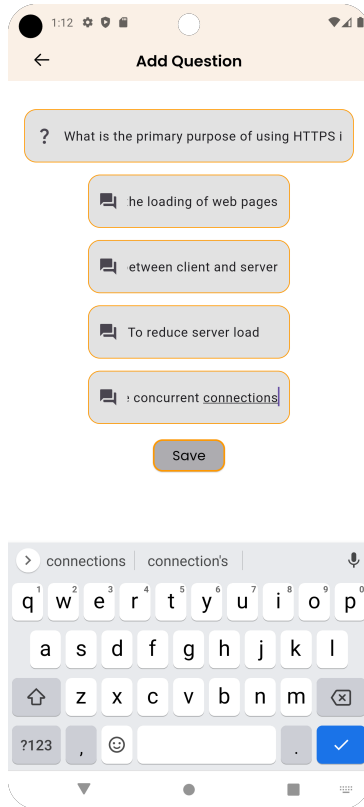


Figure 4.21: Add more Questions page

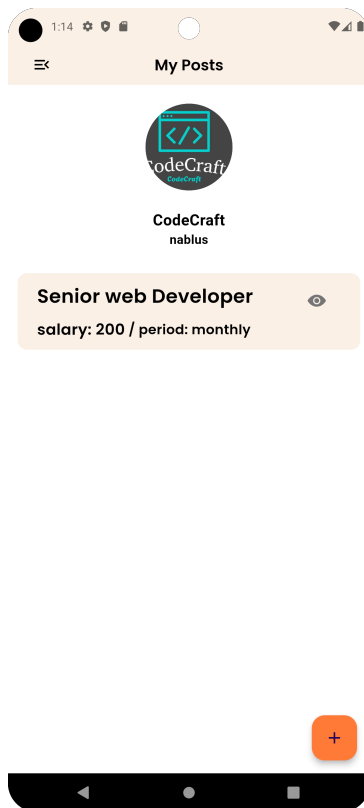


Figure 4.22: Post

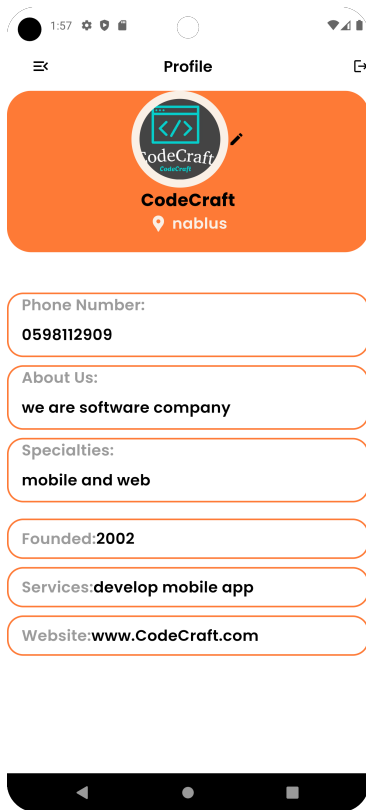


Figure 4.23: Profile

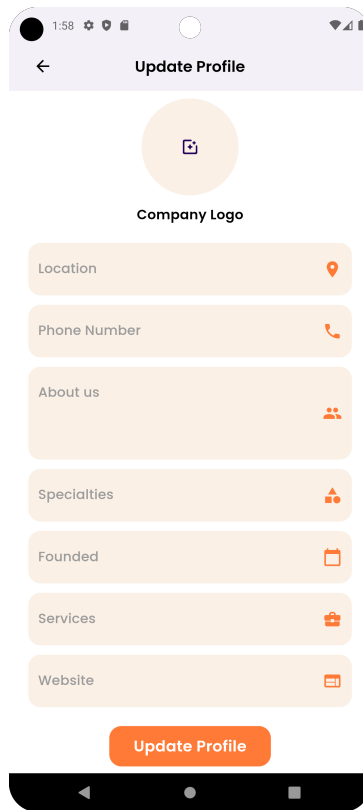


Figure 4.24: Edit profile

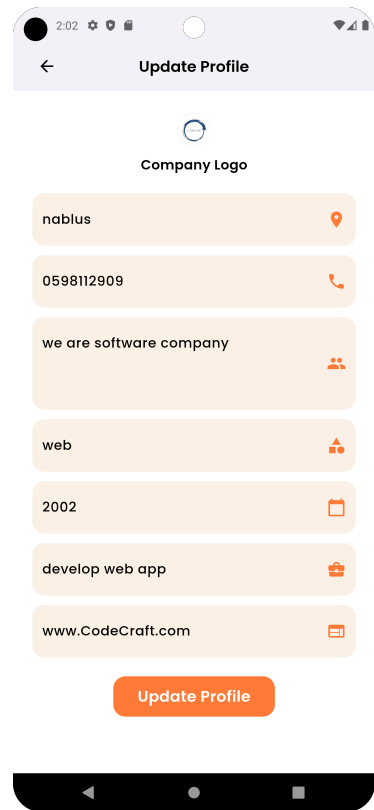


Figure 4.25: Update profile

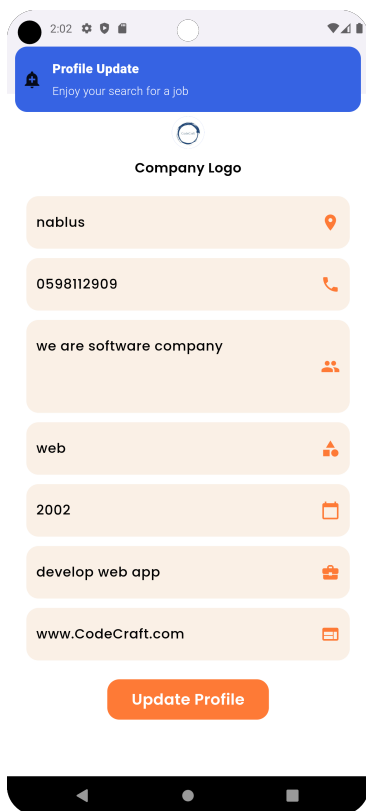


Figure 4.26: Profile updated

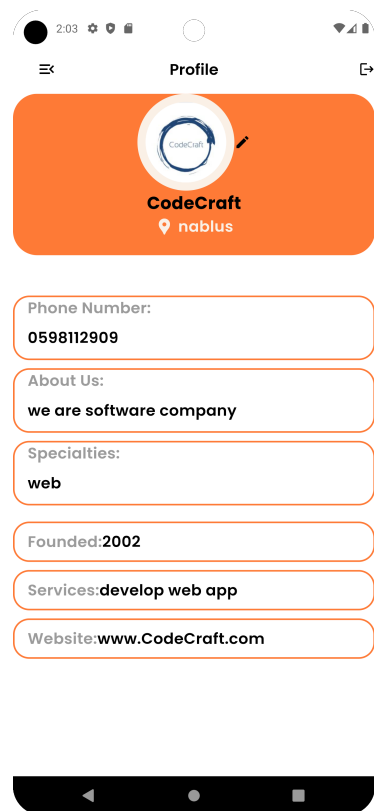


Figure 4.27: New profile

5 Engineer Side

Upon logging in as an engineer, the interface (Figure 4. 2. 4. 1) presents a streamlined menu: Upon logging in as an engineer, the interface (Figure 4.2.4.1) presents a streamlined menu:

Engineers are greeted with a homepage featuring four main categories: These four programming words are Mobile, Frontend, Backend, and AI. Rather, each category provides sets of vacancies accordingly to these certain sectors. Moreover, the homepage opens with the sections of the posted job offers in the recent times. Employers find it easy to go through these listings and if they want to view jobs in detail they can click “ more” to view all the jobs. the design of this layout is achieved in an effort to provide easier and quicker searching for jobs, as well as more focused attention on updated listings obtained from the home page and categorized properly based on job type.

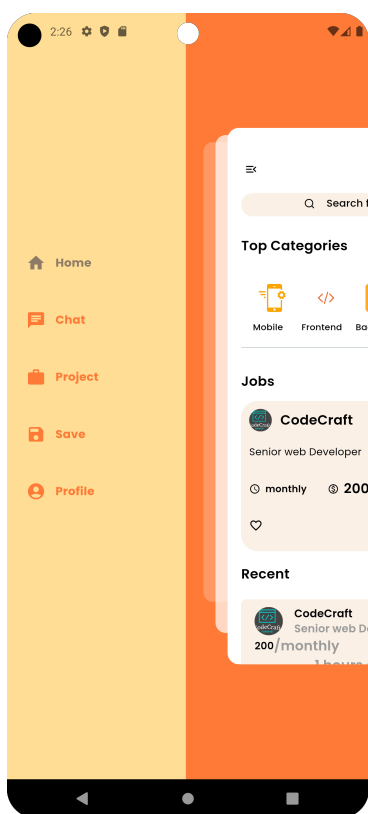


Figure 5.1: app bar

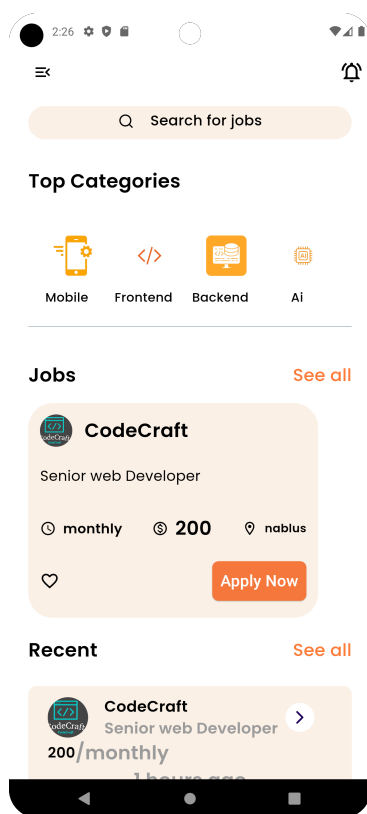


Figure 5.2: Home page

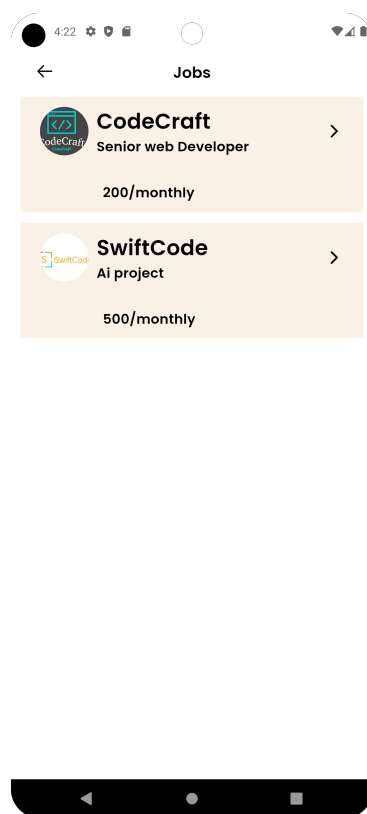


Figure 5.3: See All Job

Originally, when users use the “Apply Now” button for some job listing on the platform, they are lead to a quiz relevant to the job description and demands. Also, to apply pressure on participants, a time limit is included in the quiz. After completing the quiz, the user is allowed

to try any question as many times as they want as they progress to upload their CVs if they score well. In case a user does not qualify in the quiz, he or she is informed that CV submission is not allowed. It helps to make the application process closing fermented; Only applicants who meet particular requirements of the vacancy can move to other stages.

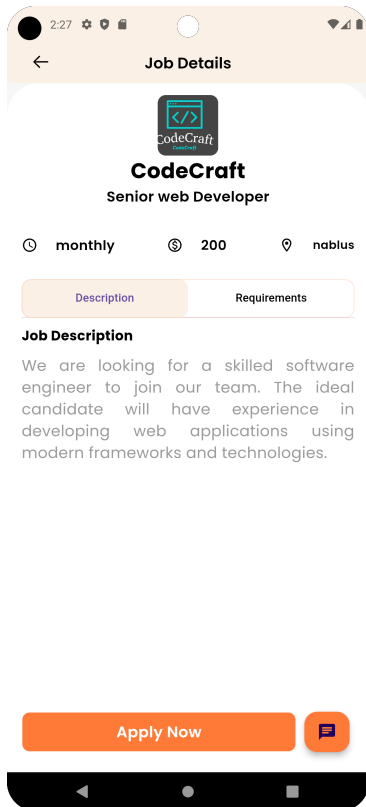


Figure 5.4: description

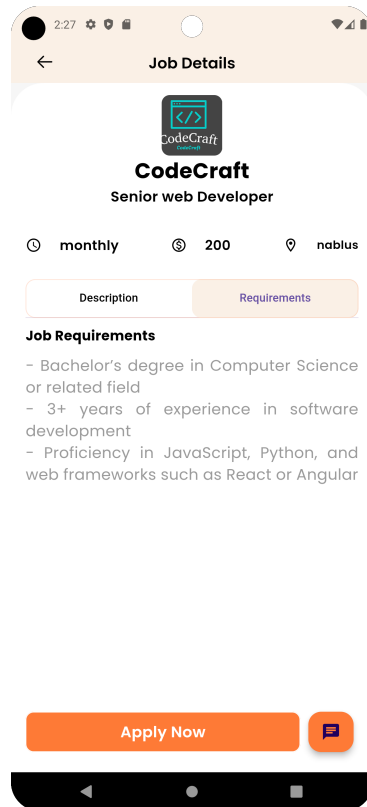


Figure 5.5: requirements

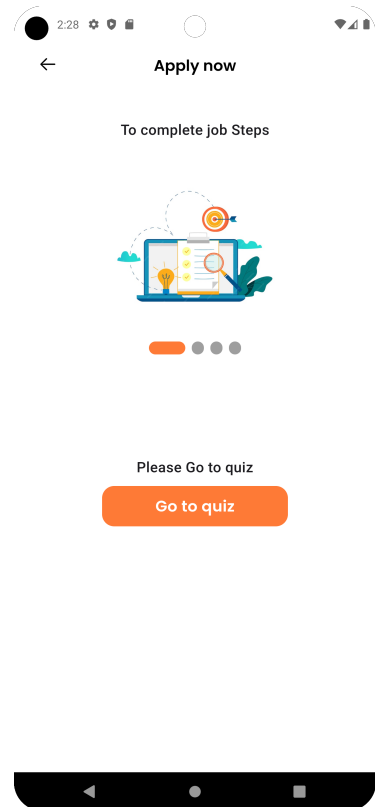


Figure 5.6: Quiz

There is a feature of a “heart” by which users can bookmark the jobs they find interesting for further use. This icon when clicked, saves the job to a list known as “Saved Jobs” under the profile of the user. One is able to conveniently access and alter his desired job openings.

You can search for any job.

Chat feature when you press in icon message engineer send the message to company.you can send image or pick image.and if you enter to the profile of user you can see the profile.

EngTrack’s job management feature is very important because the professionals employed by the same company will perform tasks in an organized way and at the same time, enhance the collaboration between the employee(s) and the employer(s). Once a job is secured, new employees are instantly informed of their role through messaging apps, which is the key reason for their immediate involvement. The app allows companies to create tasks that represent skills and project requirements for each employee, which will then be forwarded by the managers to the employee. The task setting is done in such a way so that the users would first see the list of..., they are working on and the others. The To Do part shows the list of things that have to be done. They have found that task prioritization and job ordering templates are beneficial tools to the operations. Basically, any project task-oriented data visualization followed by a Gantt chart view adds lots of beneficial features evident from the given information and utilized in practice like the real-time tracking of a project through a time frame much like ticker-

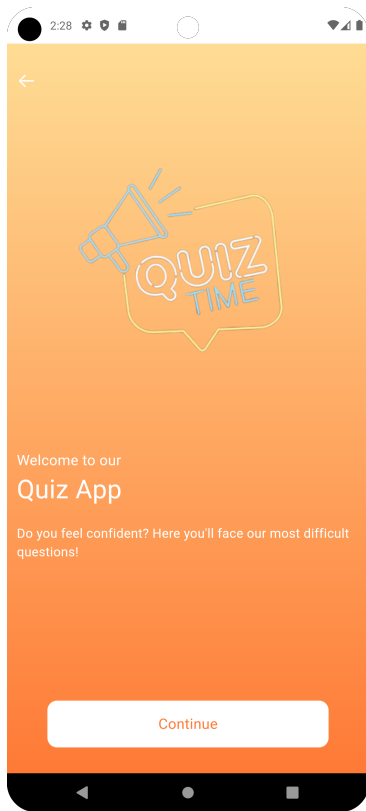


Figure 5.7: Login

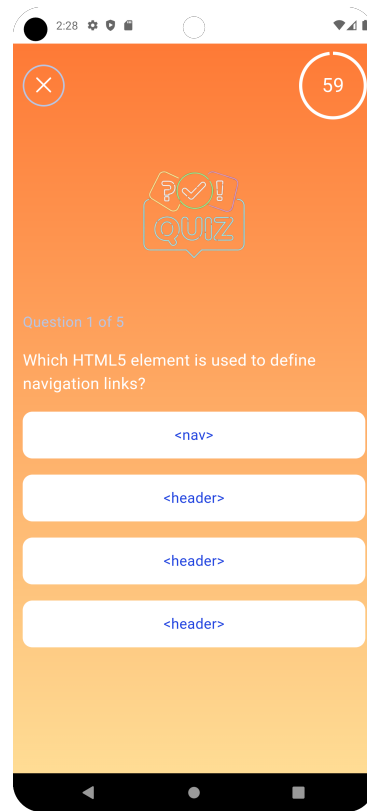


Figure 5.8: Login as user

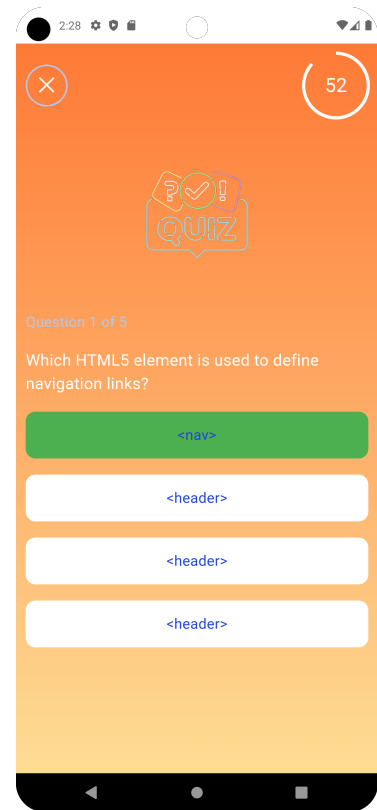


Figure 5.9: Login as Admin

tape. Team members with integrated communication tools and file sharing capabilities are also/needs to be included for the smoothest and full-honest step-by-step process. Performance data generated by the dashboards are key to the operational success of this project/department aside from the comprehensive view of task closure. Thus, the ability to measure the direct effect of task completion rates and project progress on the organization at various levels such as departments, within the company, can be obtained by the generated increased data. Taking time management as the overall criterion of the overall company's workforce, the feature of better allocation of tasks is a very important added advantage. Moreover, these companies are able to manage projects more efficiently by the awareness of their operational data which allows for better project management and resources allocation. The EngTrack task manager is not only the core of the project itself but also it improves the work process, the staff's ability to organize the tasks and also it empowers to make collaborative effects to the staff such as in engineering and programming projects.

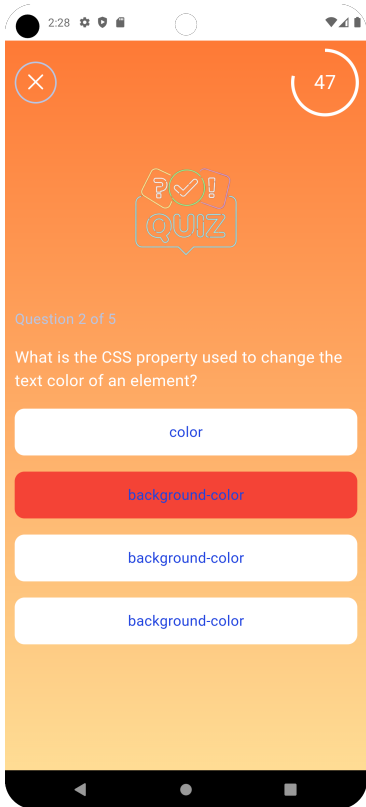


Figure 5.10: description

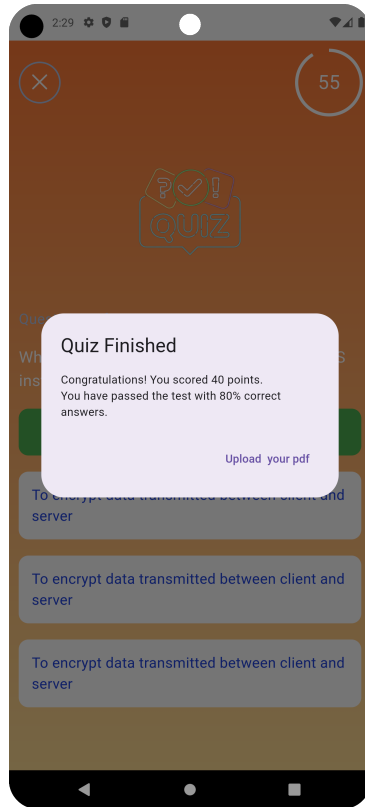


Figure 5.11: requirements

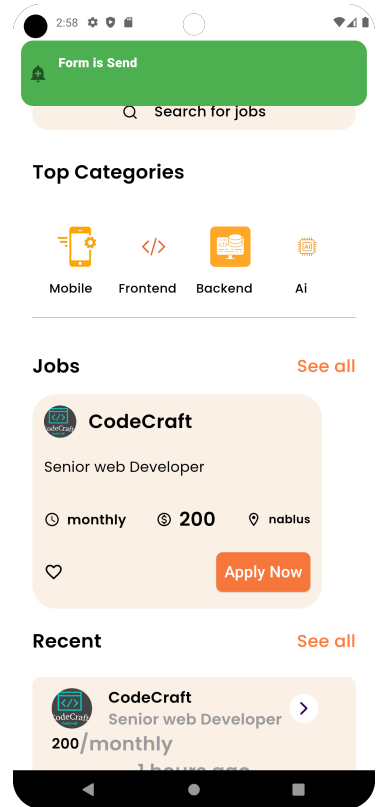


Figure 5.12: Quiz

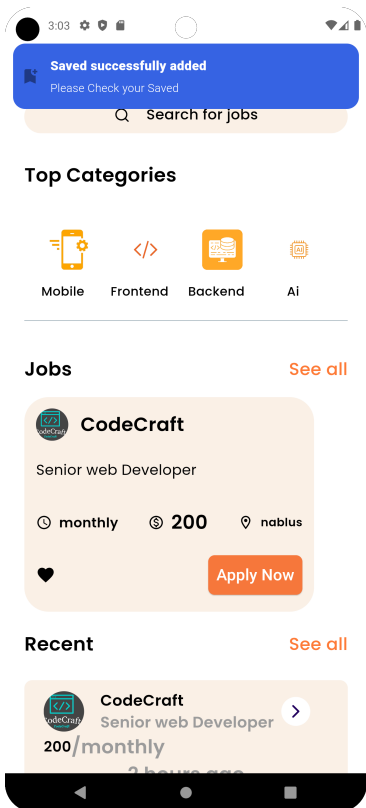


Figure 5.13: description



Figure 5.14: requirements

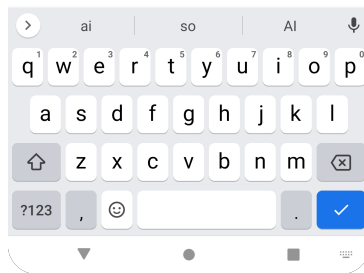
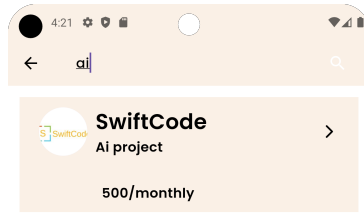


Figure 5.15: Figure 4.2.2.1: Login

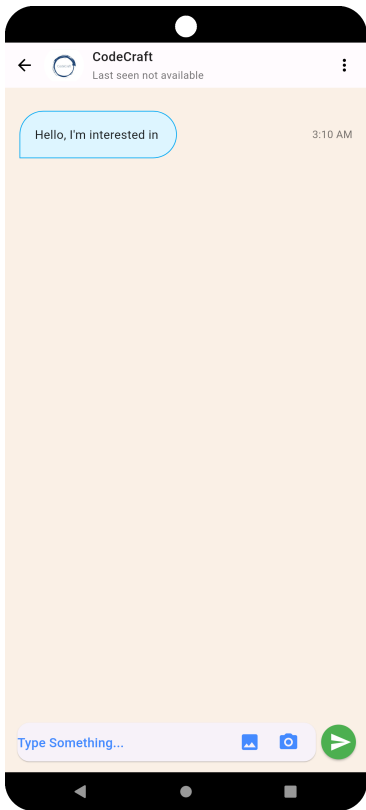


Figure 5.16: Figure 4.2.2.1: Login

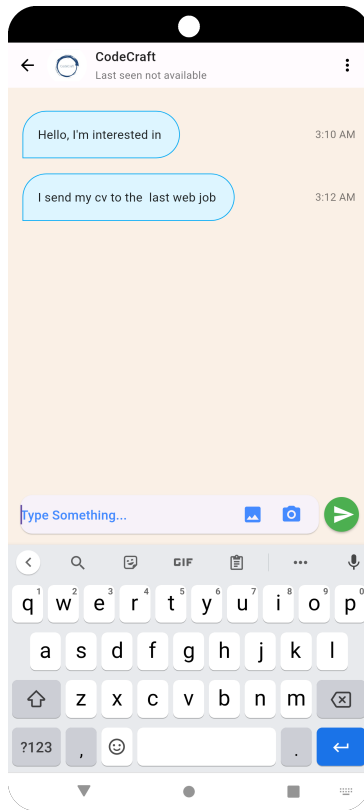


Figure 5.17: Figure 4.2.2.2: Login as user

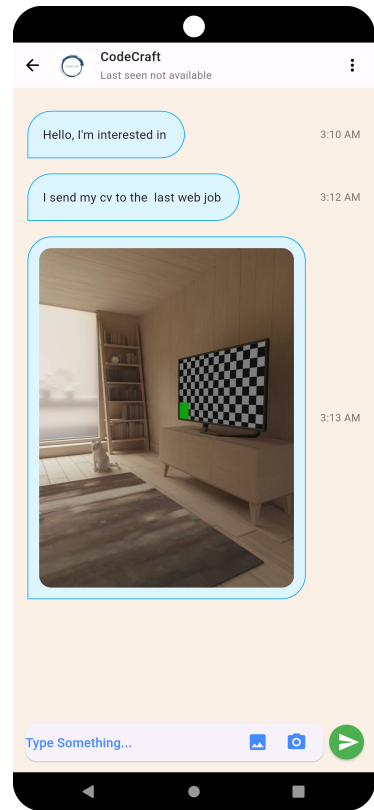


Figure 5.18: Figure 4.2.2.3: Login as Admin

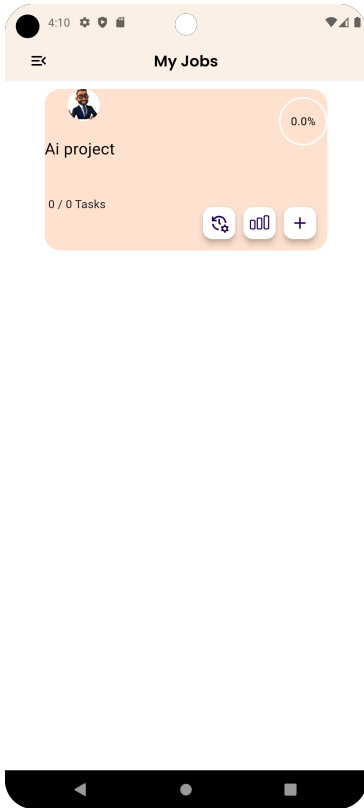


Figure 5.19: Figure 4.2.2.1: Login

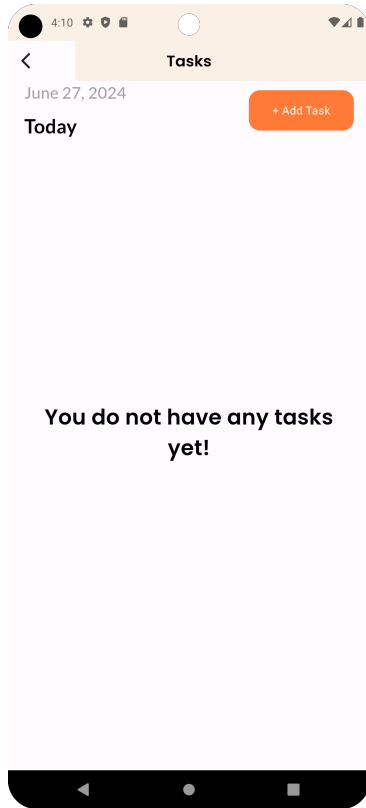


Figure 5.20: Figure 4.2.2.2: Login as user

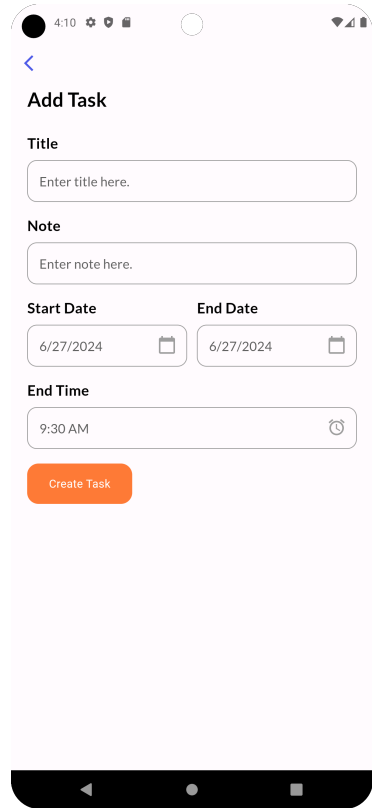


Figure 5.21: Figure 4.2.2.3: Login as Admin

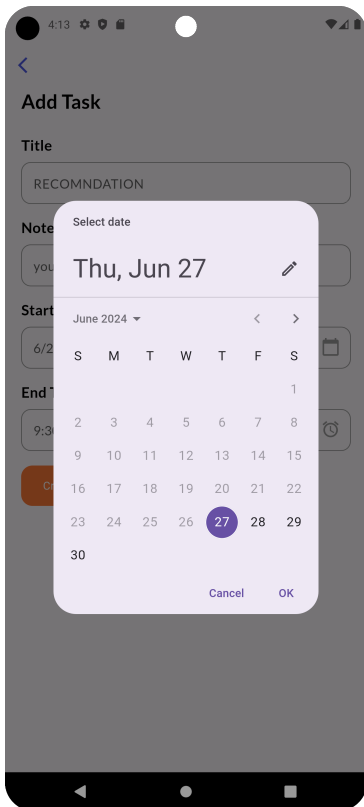


Figure 5.22: Figure 4.2.2.1: Login

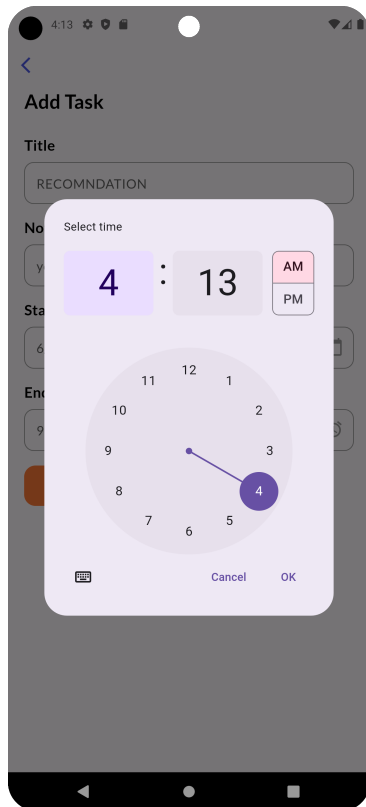


Figure 5.23: Figure 4.2.2.2: Login as user

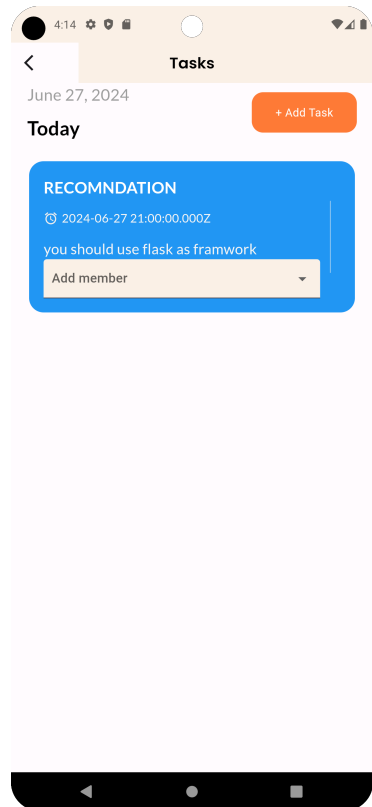


Figure 5.24: Figure 4.2.2.3: Login as Admin

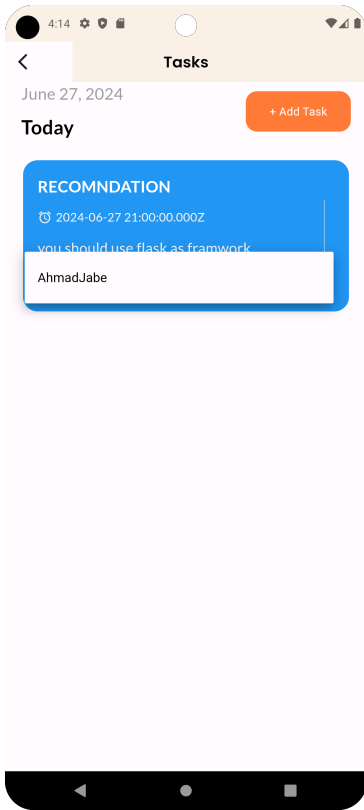


Figure 5.25: Figure 4.2.2.1: Login

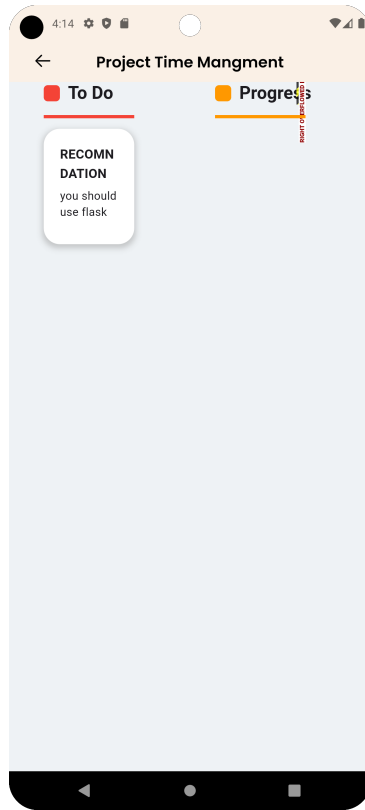


Figure 5.26: Figure 4.2.2.2: Login as user

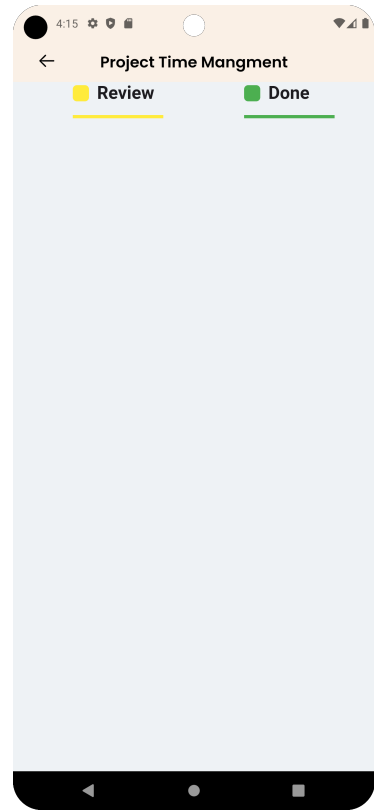


Figure 5.27: Figure 4.2.2.3: Login as Admin



Figure 5.28: Login

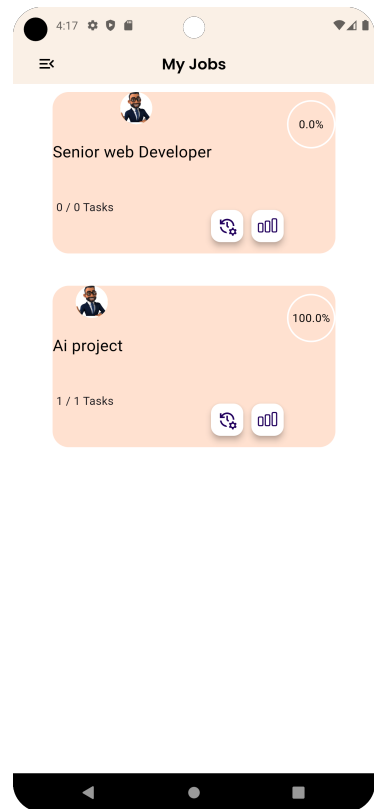


Figure 5.29: Login as user

6 Results and Analysis

6.1 Results Overview

We at EngTrack have strategically developed the core functionalities of our platform to revolutionize job search and recruitment processes, addressing the challenges faced by computer engineers and programming professionals. Our AI-driven job matching system is the centerpiece of our innovation, analyzing job descriptions and applicant resumes to provide precise compatibility scores. This approach enhances the efficiency of candidate selection and reduces biases inherent in traditional recruitment methods.

Additionally, we have designed an interactive user interface that includes job listings categorized into specialized sectors such as Mobile, Frontend, Backend, and AI. This categorization streamlines the job search process, allowing engineers to navigate and apply for positions that closely match their skill sets.

Furthermore, EngTrack incorporates robust task management capabilities, enabling seamless coordination of project tasks between engineers and employers. Real-time progress tracking and effective communication tools ensure that projects are completed on time and within budget, enhancing overall client satisfaction and operational efficiency.

6.2 Analysis

EngTrack has strategically addressed challenges in the computer engineering and programming job markets through several key enhancements. Firstly, the platform categorized job projects into specialized simplifying the search process for engineers aligned with specific skill sets. Moreover, EngTrack facilitated effective communication and collaboration between companies and engineers. Notifications played a crucial role in keeping applicants informed about their application status, which ensured transparency throughout the hiring process. A notable feature of EngTrack was its artificial intelligence-driven job matching system. This system analyzed job descriptions and evaluated engineers' CVs to provide compatibility scores, enhancing the accuracy and efficiency of hiring decisions while minimizing bias. The platform also enhanced user engagement with interactive job applications, allowing engineers to apply directly to listings tailored to their qualifications. This approach included specialized tests that ensured applicants were not only qualified but also suited to specific job roles.

Furthermore, EngTrack offered robust task management capabilities, enabling efficient coordination of project tasks between engineers and companies. Real-time progress tracking and communication tools facilitated timely project completion and heightened client satisfaction

7 Conclusion and Future Work

The "EngTrack" application is an innovative tool that integrates modern recruitment techniques with efficient project management, which enhances team performance and accelerates technological development processes. The app simplifies the hiring process through dynamic testing and self-assessment using AI, enabling companies to quickly and accurately select the right employees. In addition, it provides integrated task management that enhances efficiency and ensures that goals are achieved with high effectiveness, thus enhancing productivity and achieving tangible results in technology projects.

7.1 Future Work

In the next stages of EngTrack's development, our vision extends toward greater integration of a comprehensive project management and job deployment system. This phase includes many ambitious improvements and expansions:

- **Improved performance monitoring and reporting:** Improving advanced performance indicators tools and deep data analytics is critical to EngTrack. By developing strong analytical capabilities, we aim to enable companies to make informed strategic decisions based on rigorously analyzed data. These enhanced tools will not only improve management efficiency, but will also provide comprehensive insights into project performance, enabling proactive adjustments and improvements.
- **Expanding the scope of paid services:** Enhancing EngTrack services with advanced features such as custom reporting and deep data analytics is pivotal to expanding our value proposition. By expanding the range of paid subscriptions, we aim to attract larger customers looking for advanced project management solutions. This expansion will support sustainable business growth and enhance EngTrack's competitive advantage in the market.
- **Expanding integration with electronic payment systems:** Adding support for additional electronic payment systems is essential to simplify financial transactions between companies and engineers using EngTrack. By facilitating seamless payment processes, we enhance user satisfaction and operational efficiency. This integration will contribute to smoother interactions and improved financial management within project environments.
- **Enhancing the experience of cooperation and communication:** Developing collaboration tools such as forums and project commenting features is essential to foster teamwork and improve communication within EngTrack. These improvements will facilitate real-time interaction between team members, enhance transparency, and streamline project workflow. By improving collaboration capabilities, EngTrack aims to increase project management effectiveness and overall team productivity.

- Providing training courses and educational resources: Establishing an educational department for new technologies and best practices in project management is essential for continued professional development within EngTrack. By providing training courses and educational resources, we enable engineers to keep pace with different trends and hone their skills. This initiative supports EngTrack's commitment to enhancing user capabilities and ensuring proficiency in the use of its advanced project management tools.

8 Website Screenshots

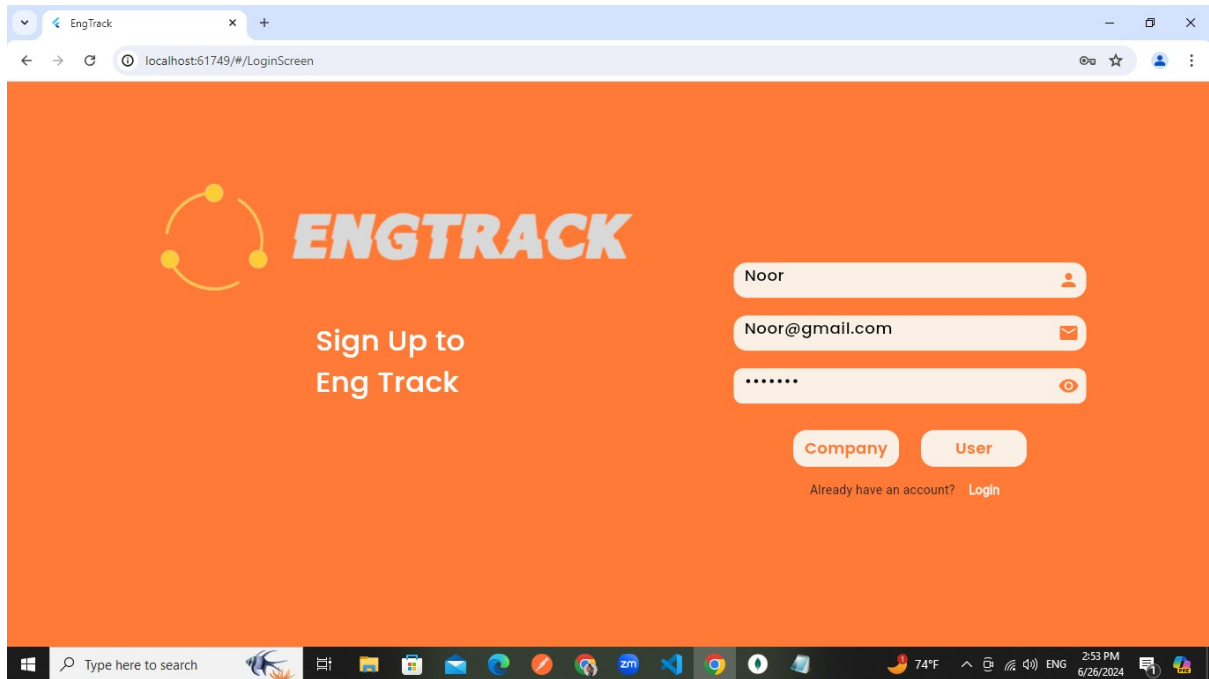


Figure 8.1: Register Page User

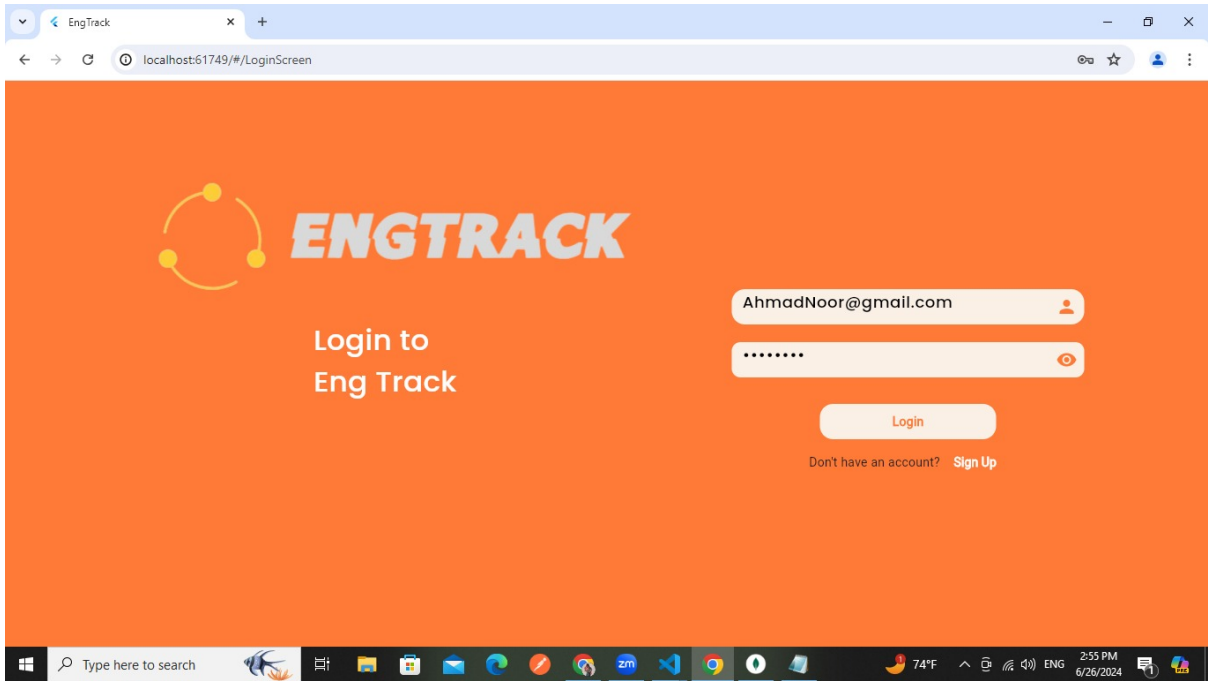


Figure 8.2: Login Page

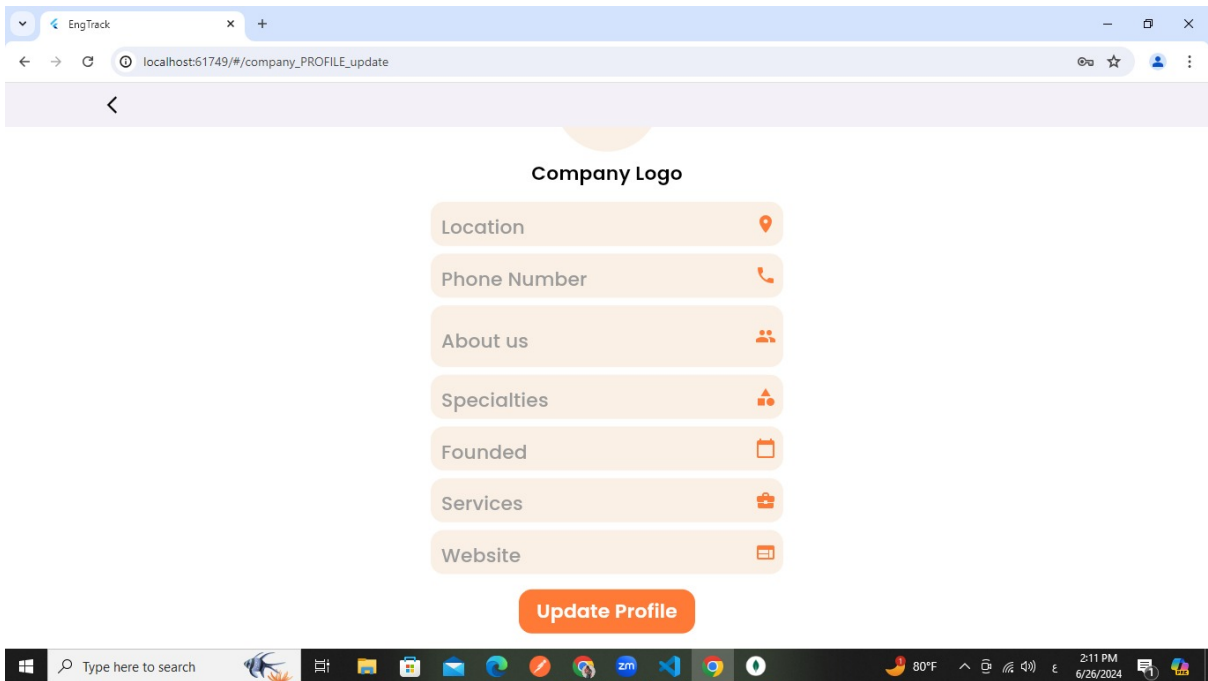
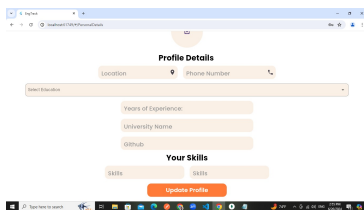
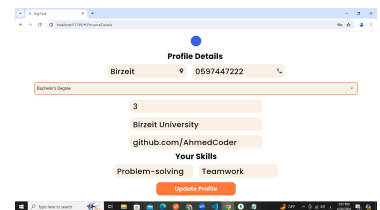


Figure 8.3: Profile Details as company



(a) Without information



(b) With information

Figure 8.4: Profile Details as user

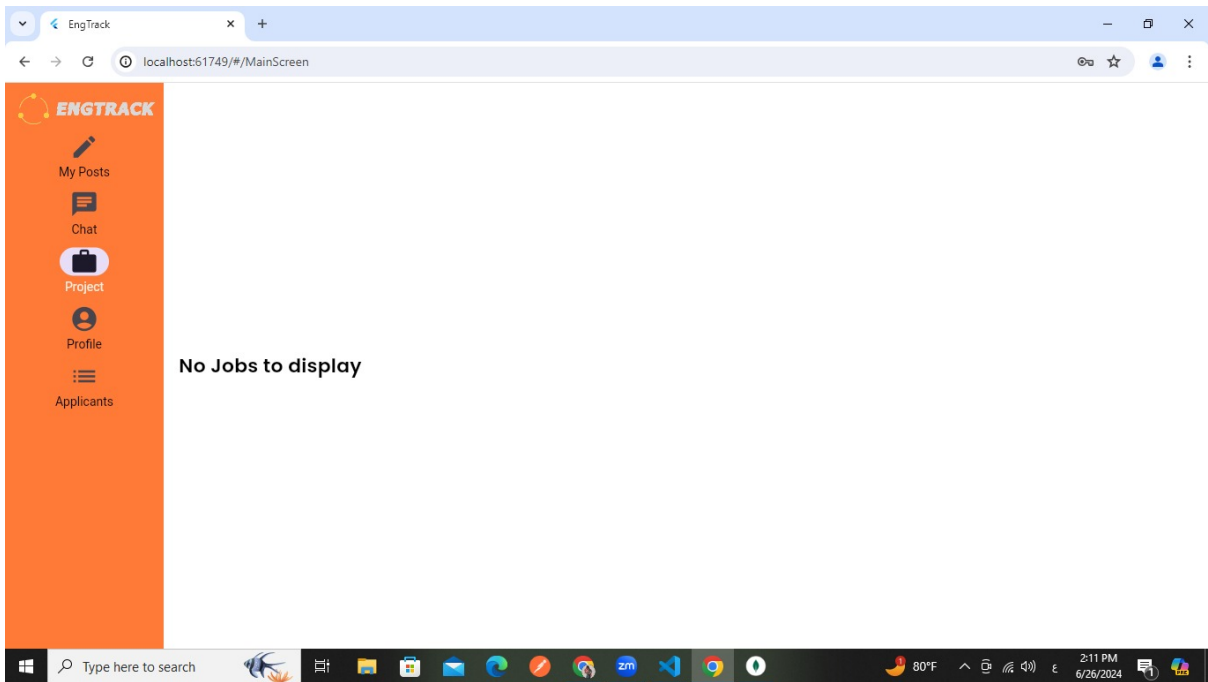


Figure 8.5: Project Page

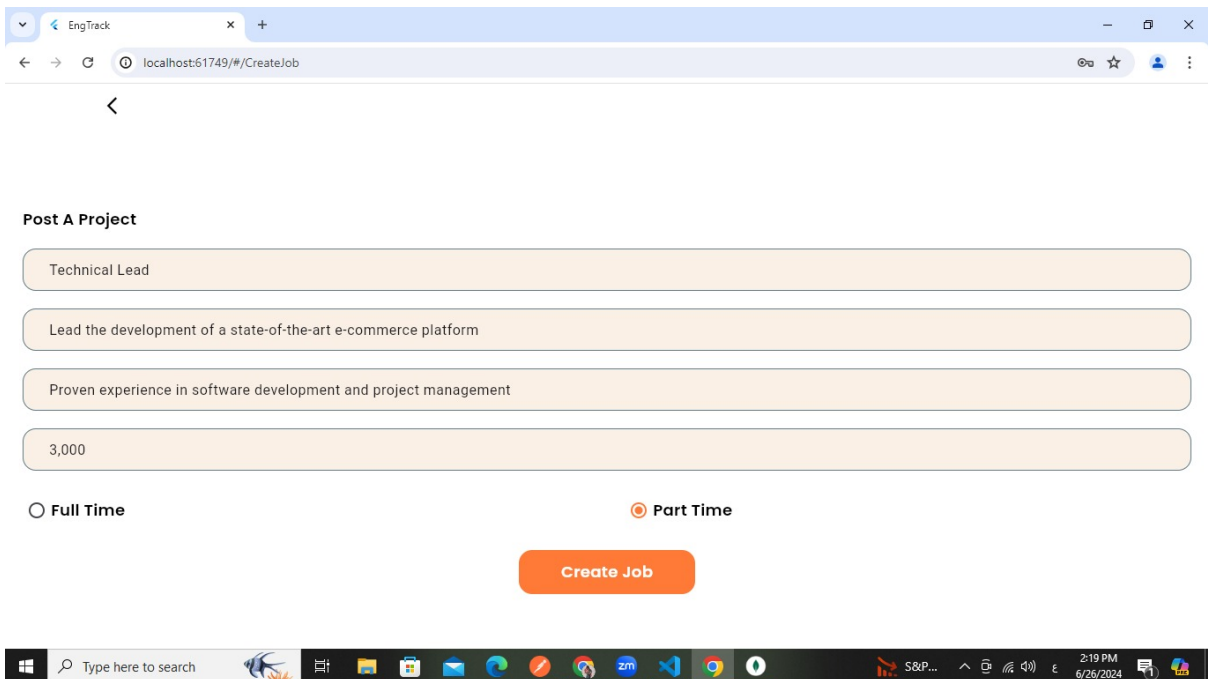


Figure 8.6: Create New Job

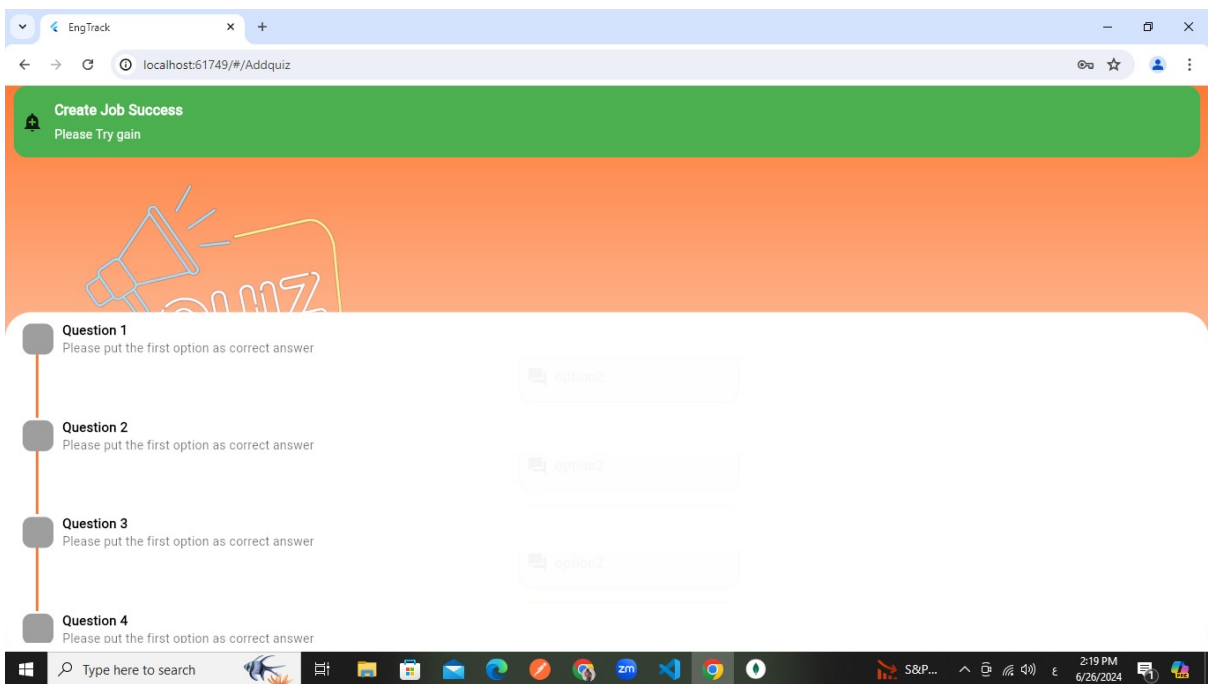
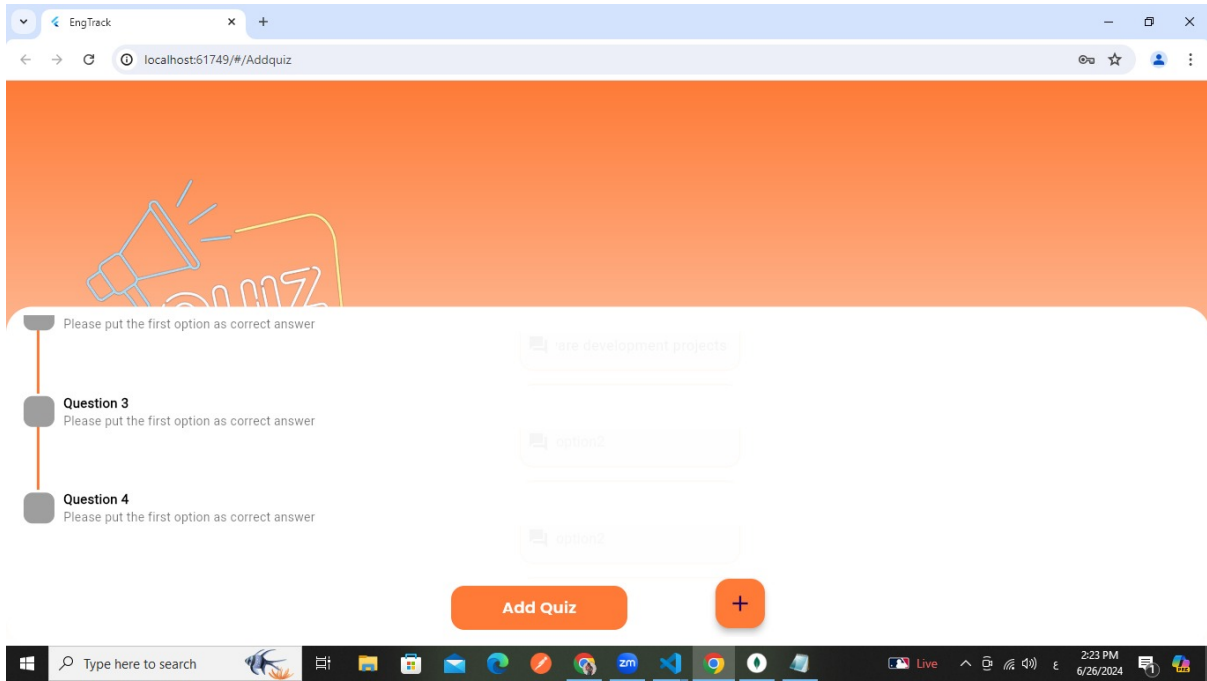
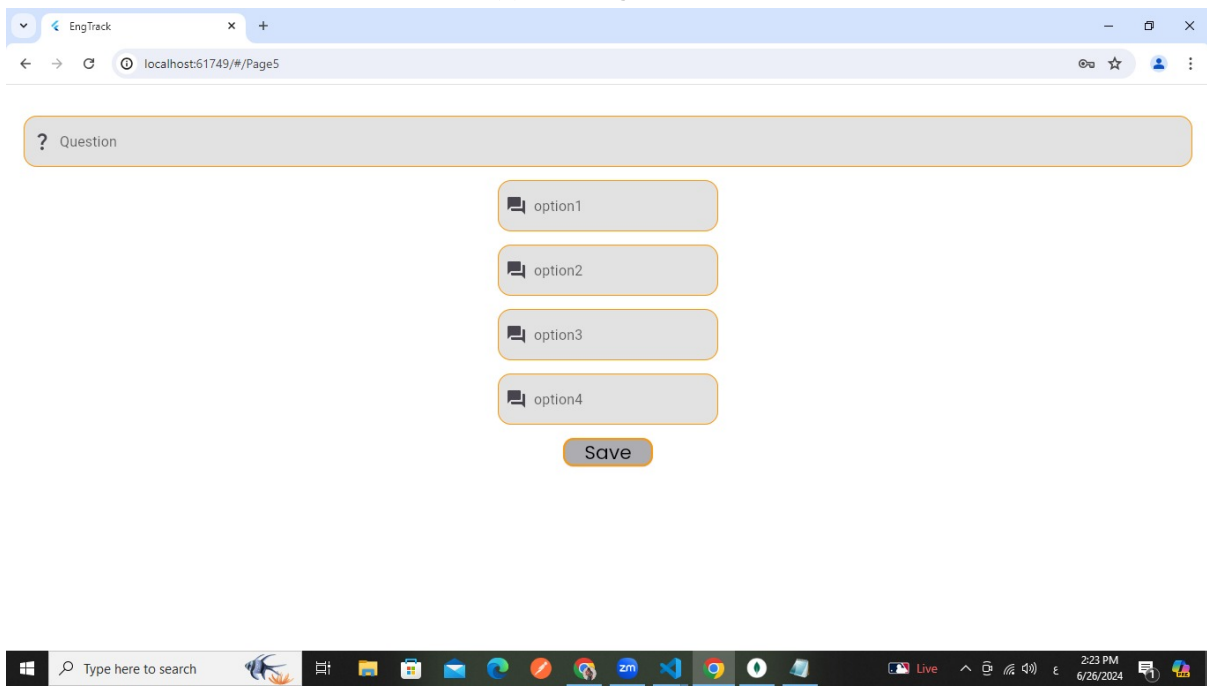


Figure 8.7: Create Job Alert



(a) Write Question



(b) Add more Questions page



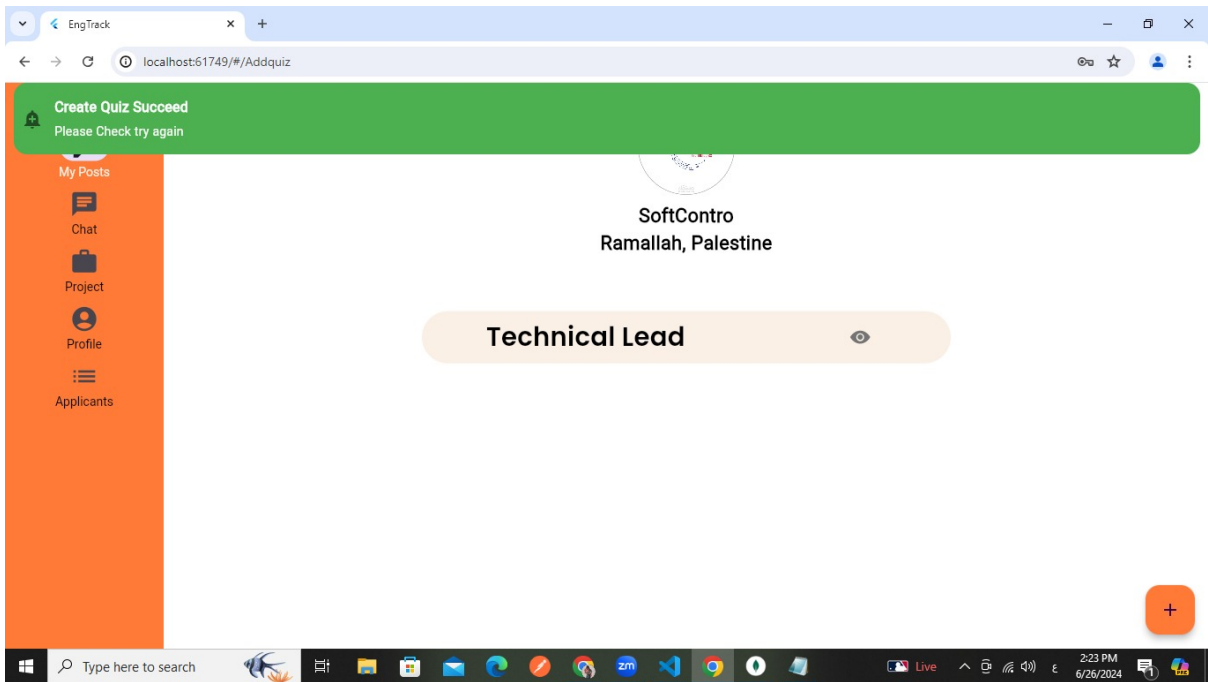


Figure 8.9: Post Page

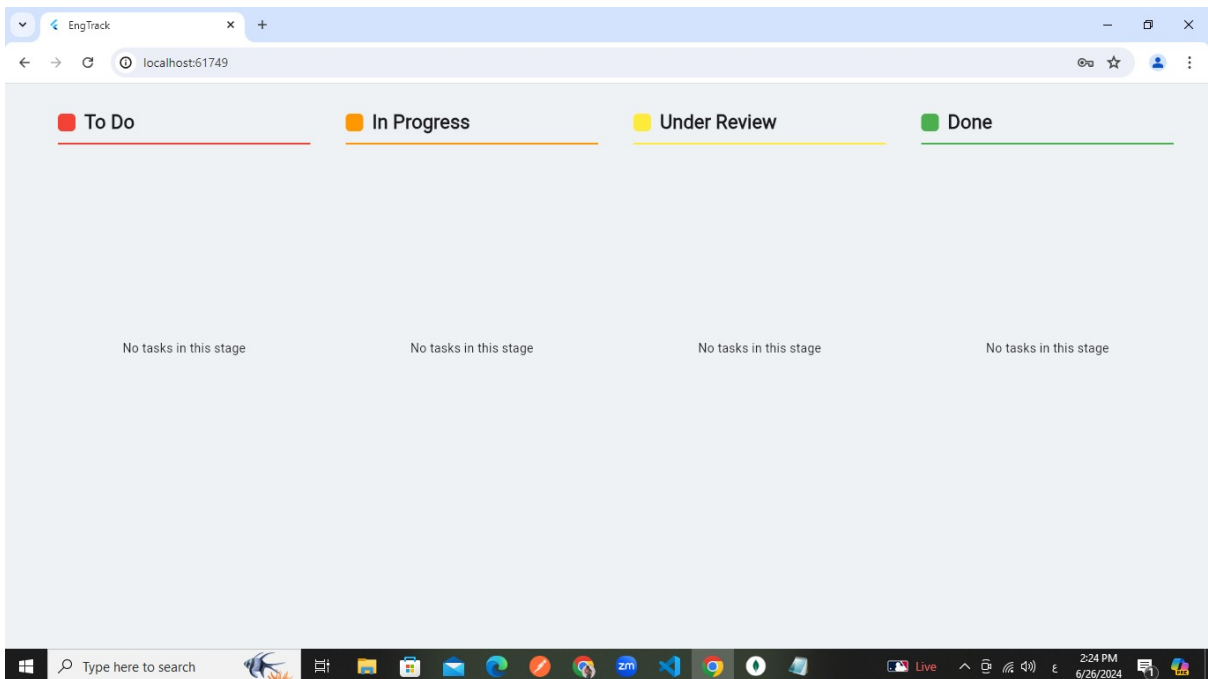


Figure 8.10: To-Do List

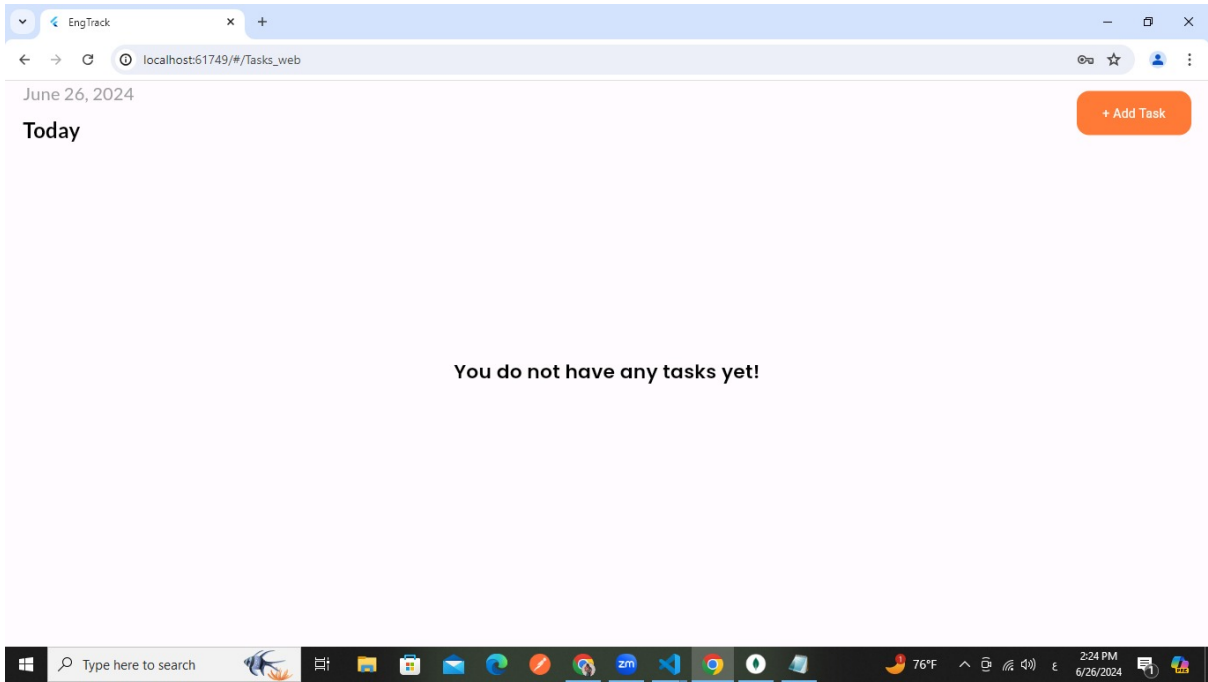


Figure 8.11: Tasks Screen

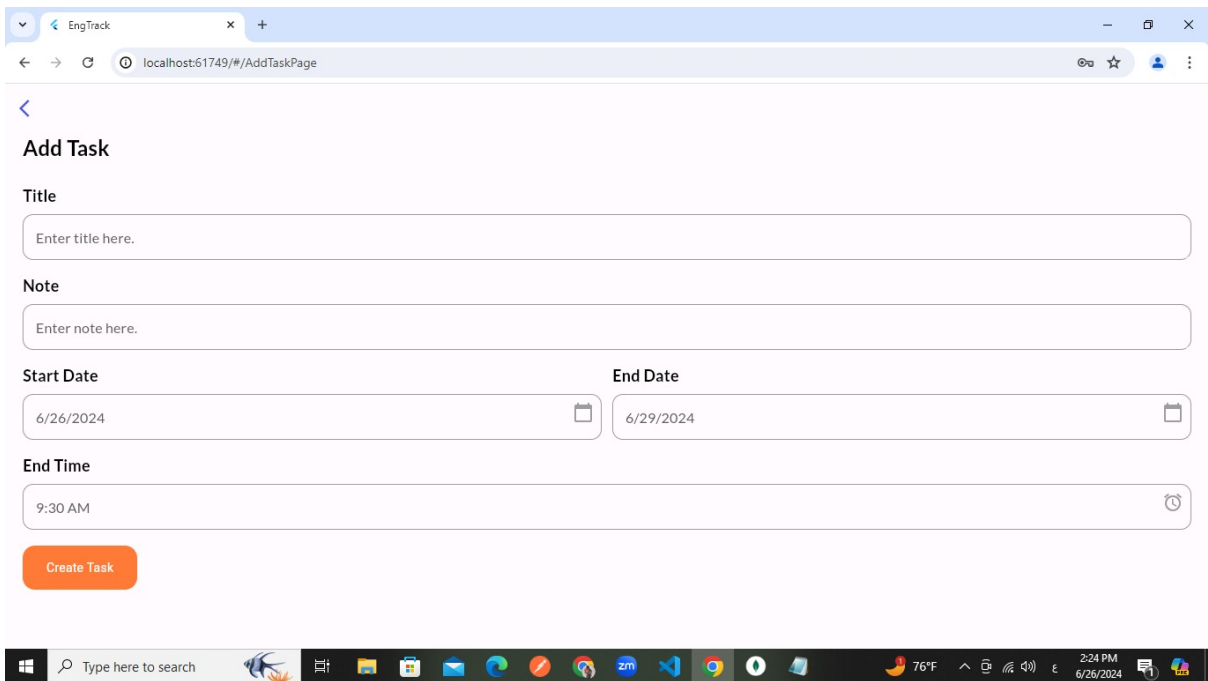


Figure 8.12: Add Task

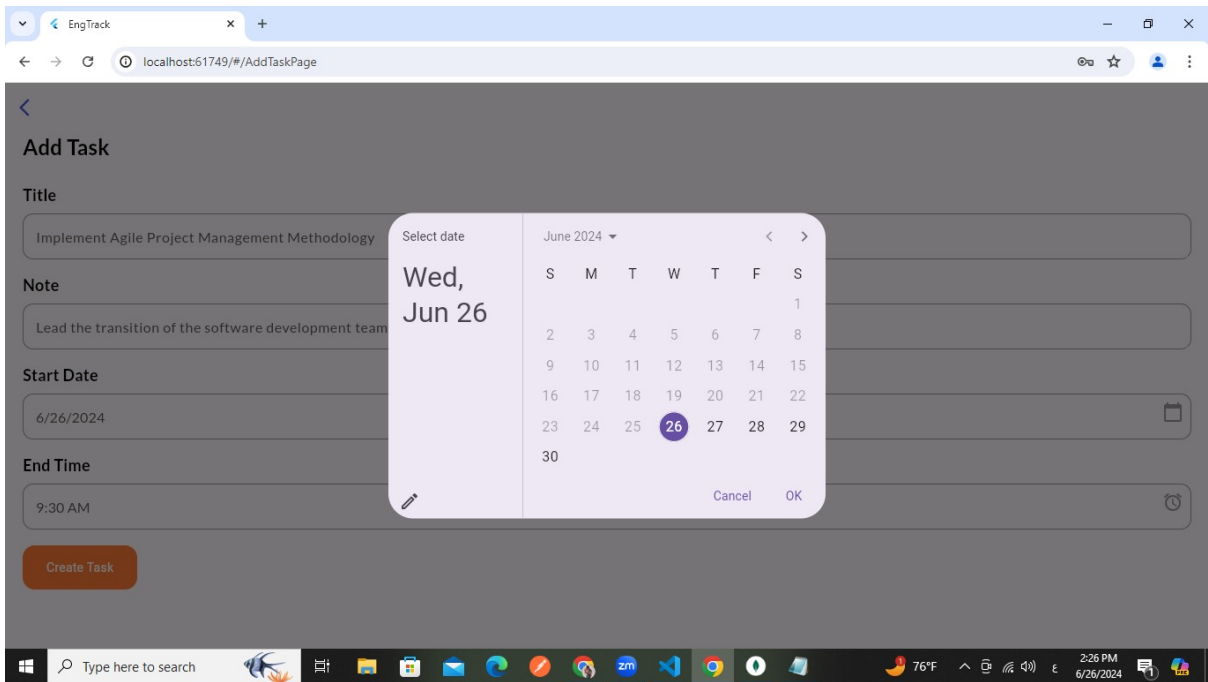


Figure 8.13: Set Start Date 1

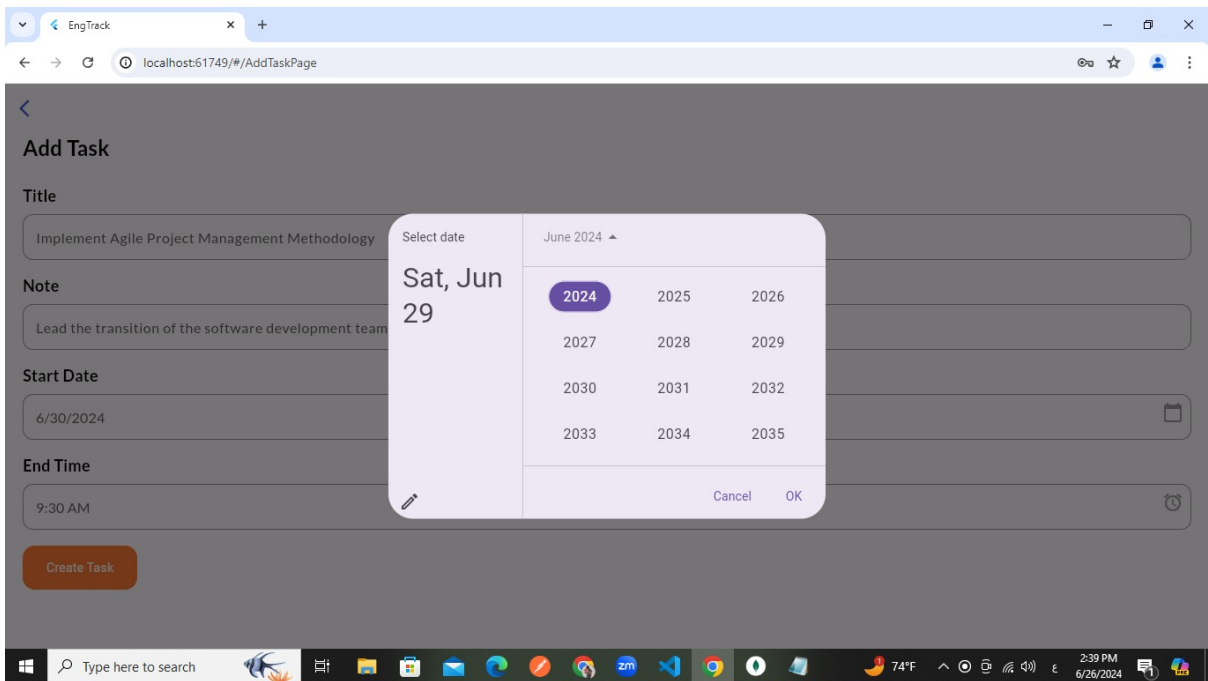


Figure 8.14: Set Start Date 2

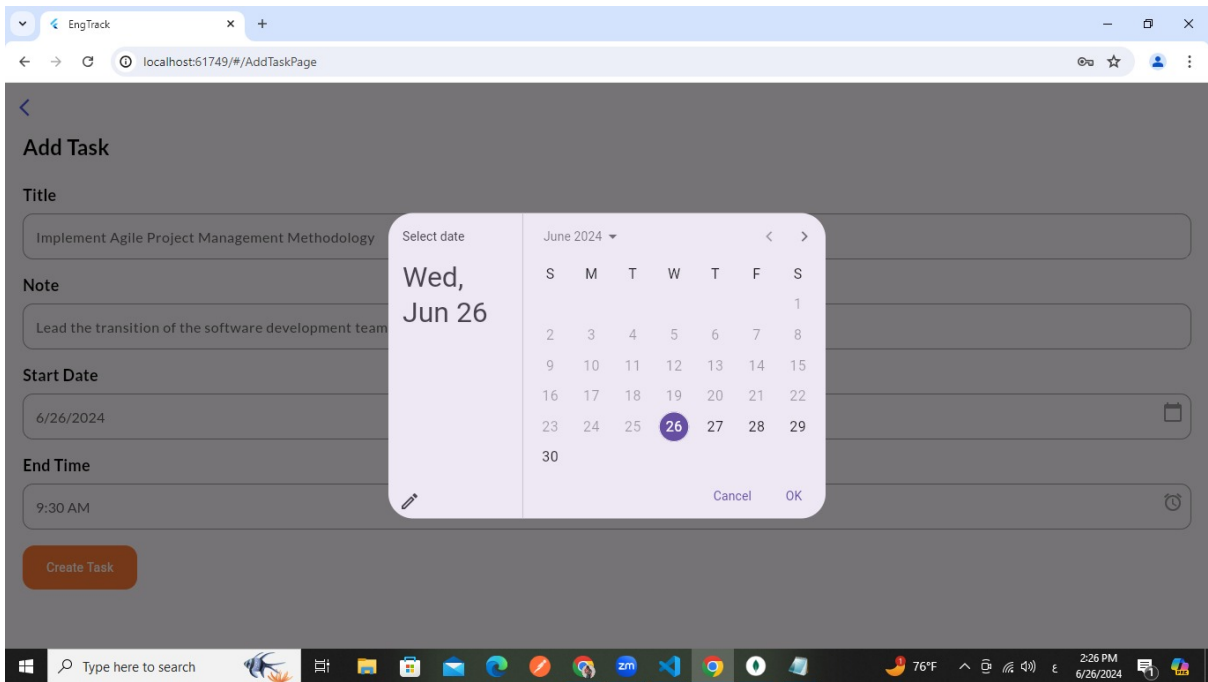


Figure 8.15: web1

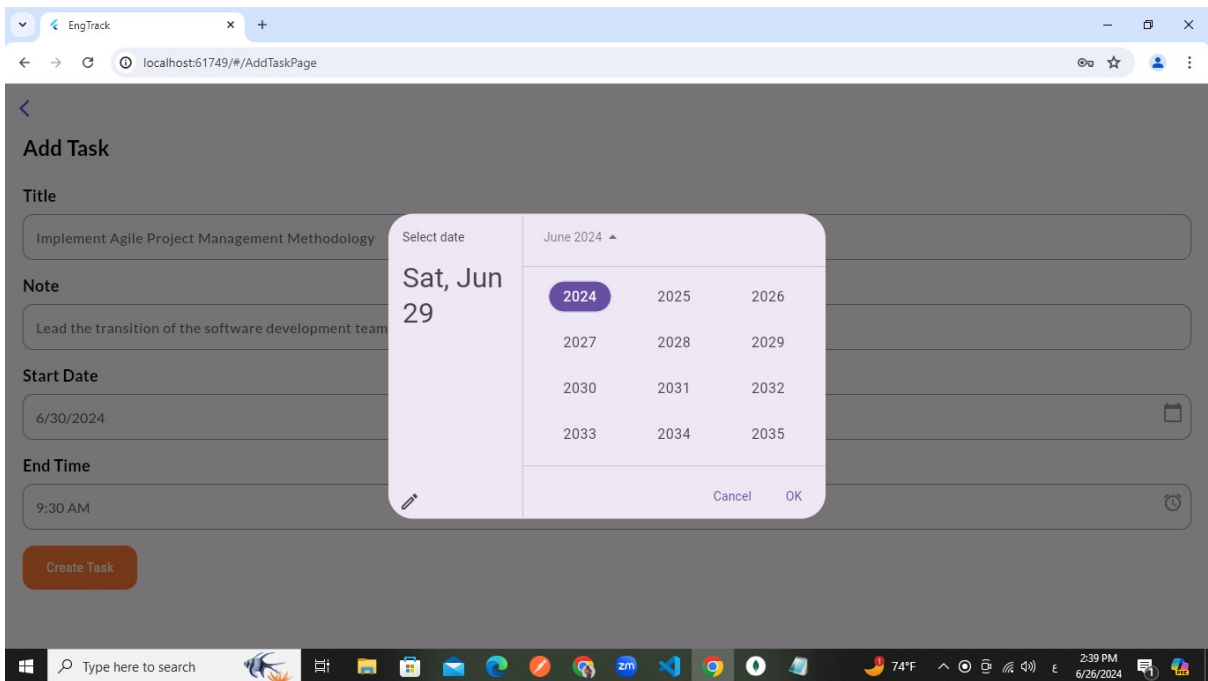


Figure 8.16: Set End Date

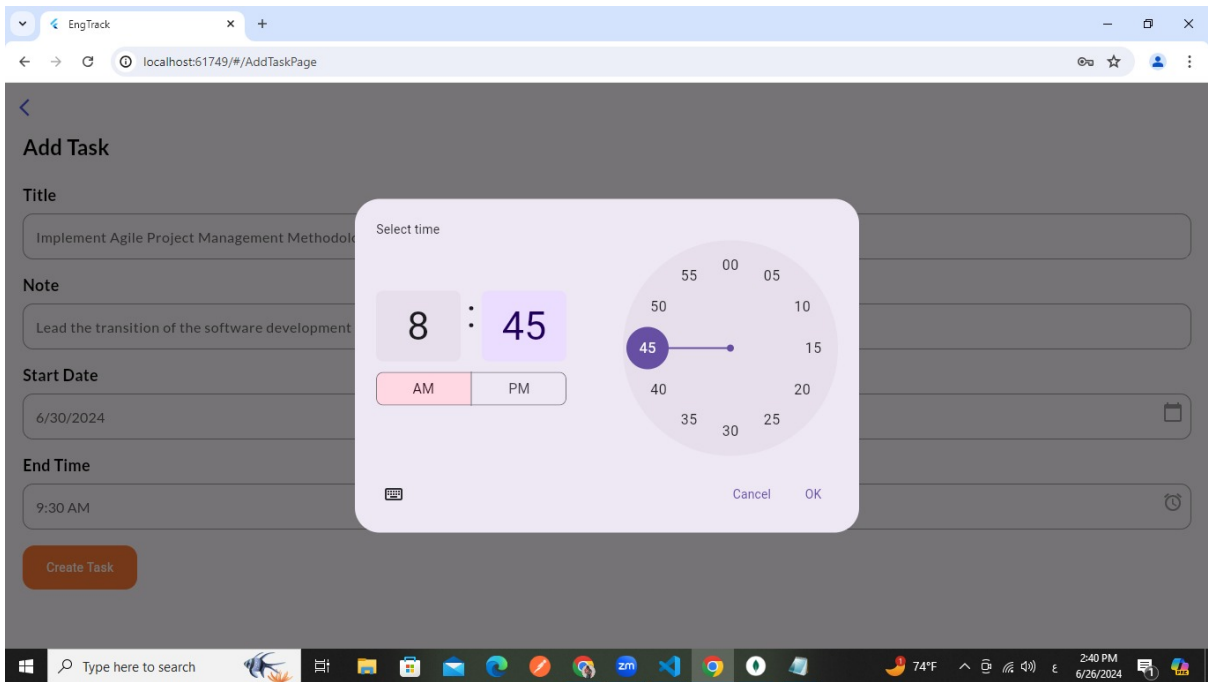


Figure 8.17: Set End Time 1

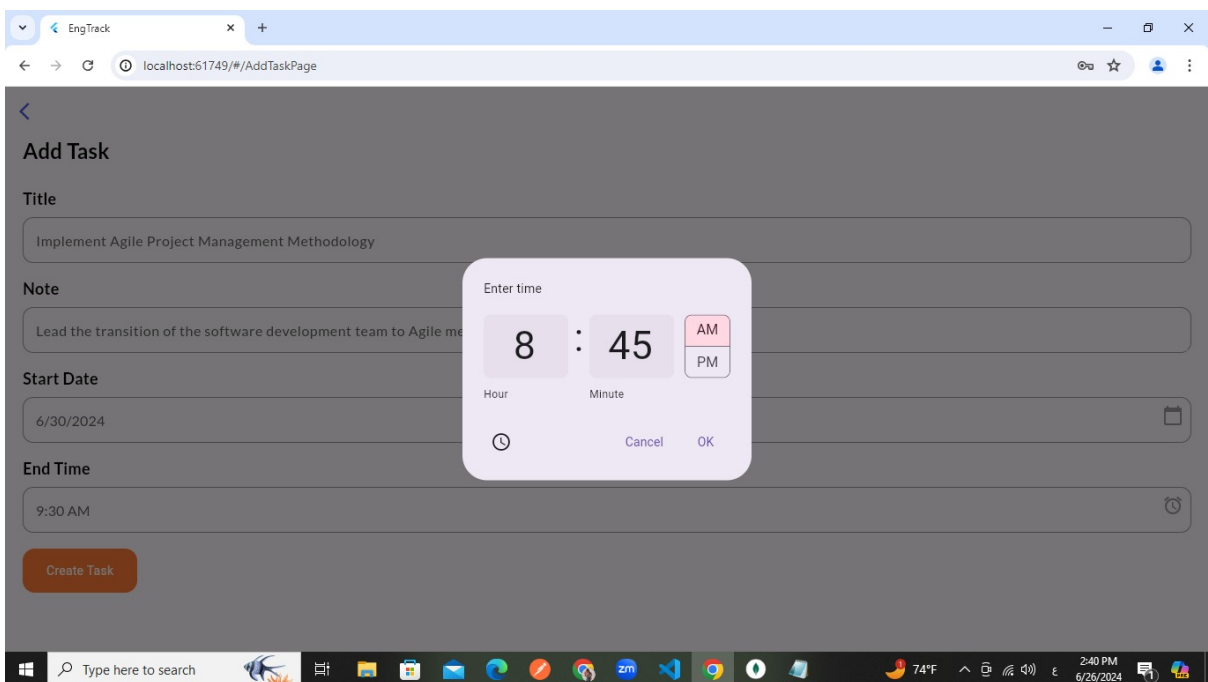


Figure 8.18: Set End Time 2

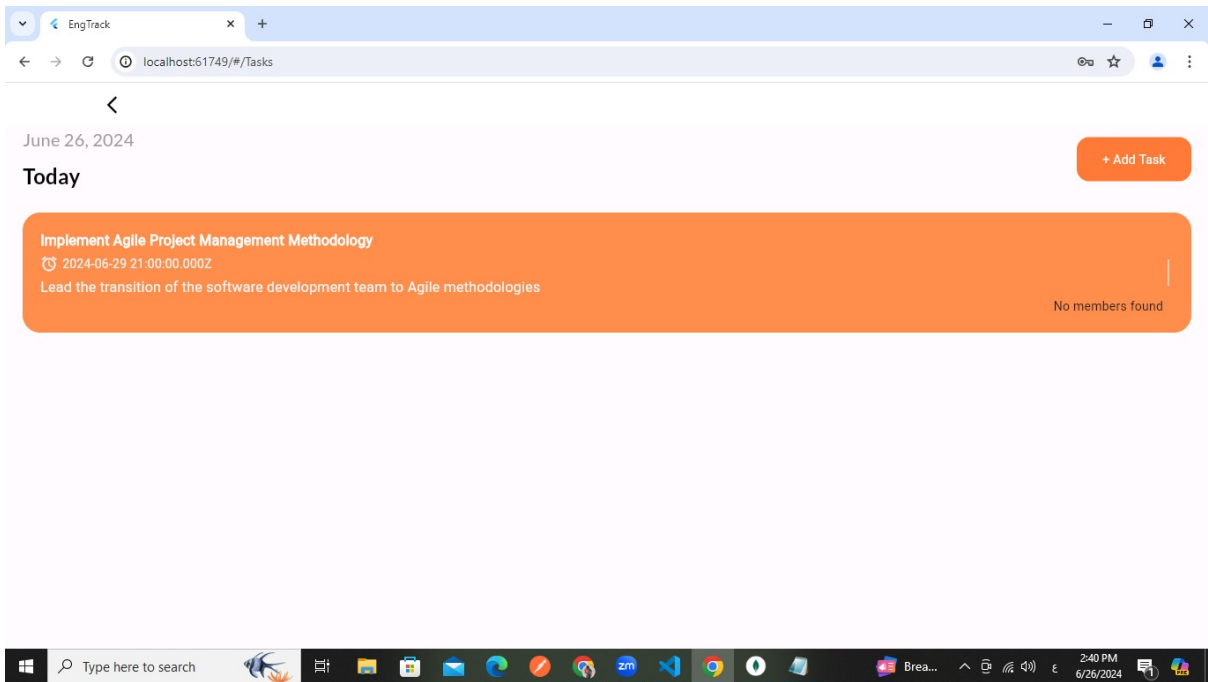


Figure 8.19: Task Screen

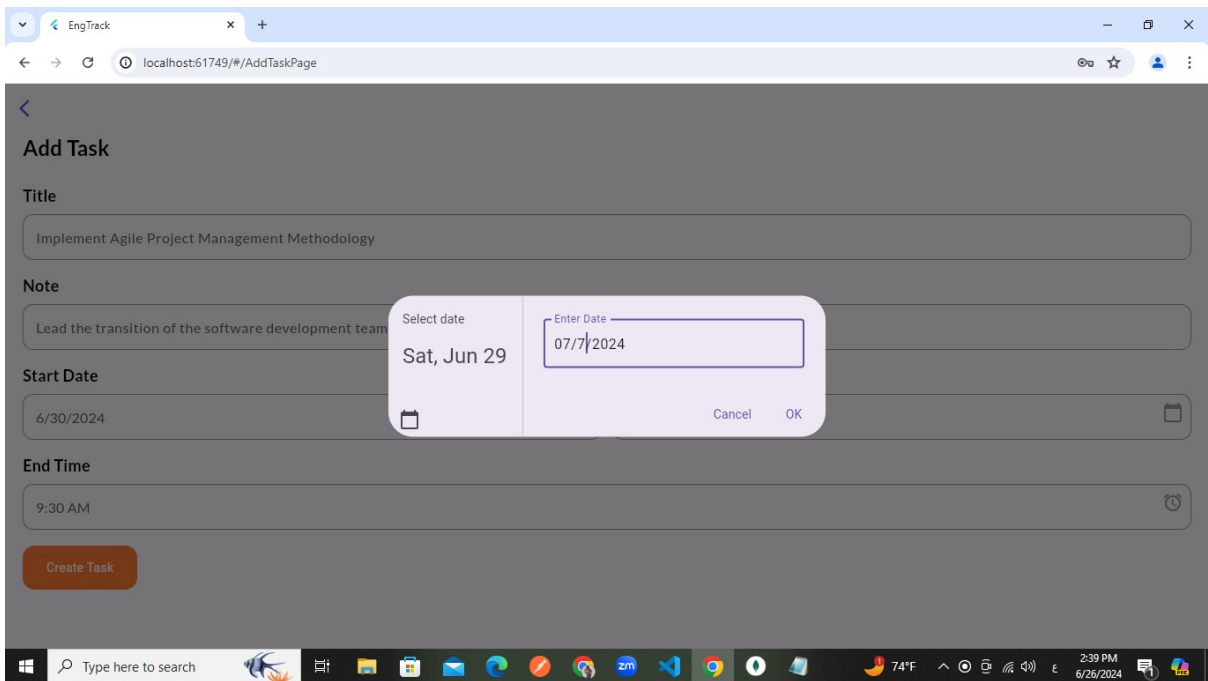


Figure 8.20: Write Date of Task

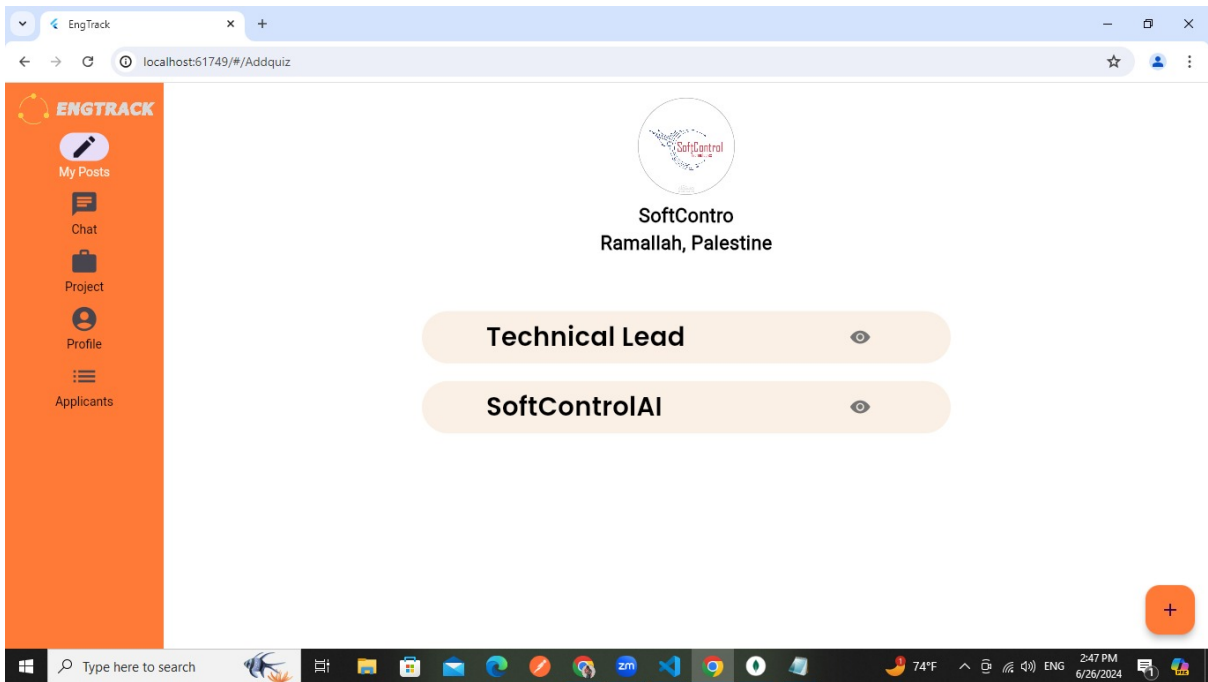


Figure 8.21: My Job

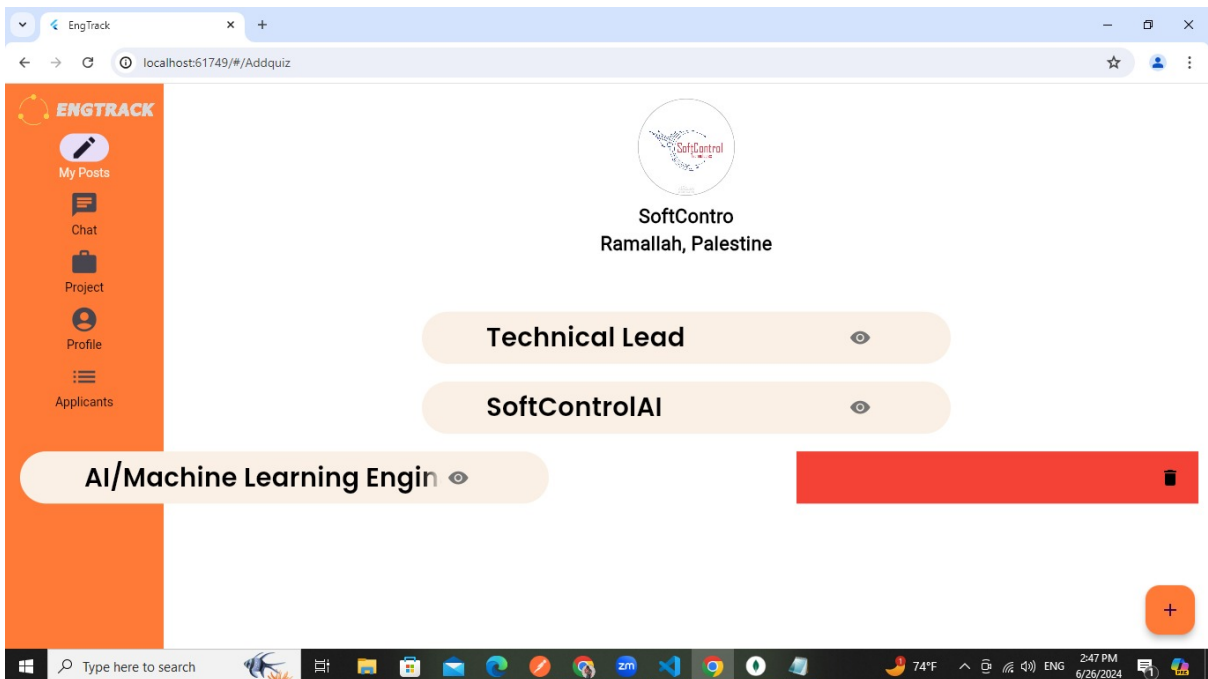


Figure 8.22: Delete Job

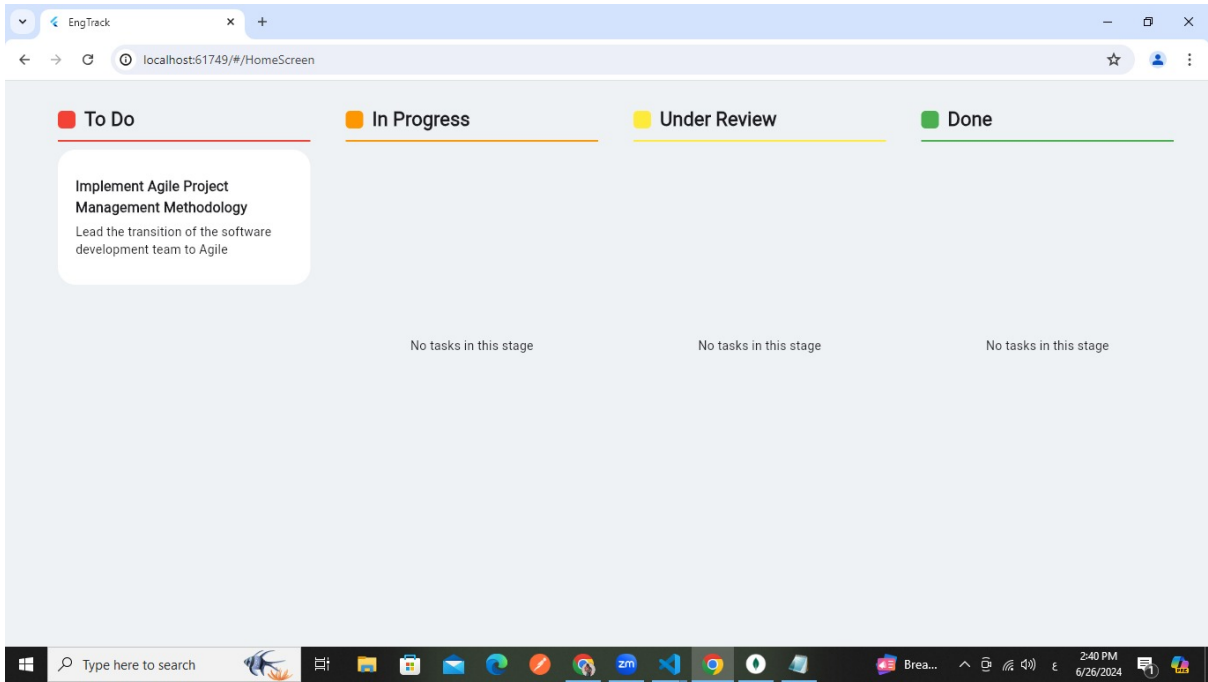


Figure 8.23: To do list Page

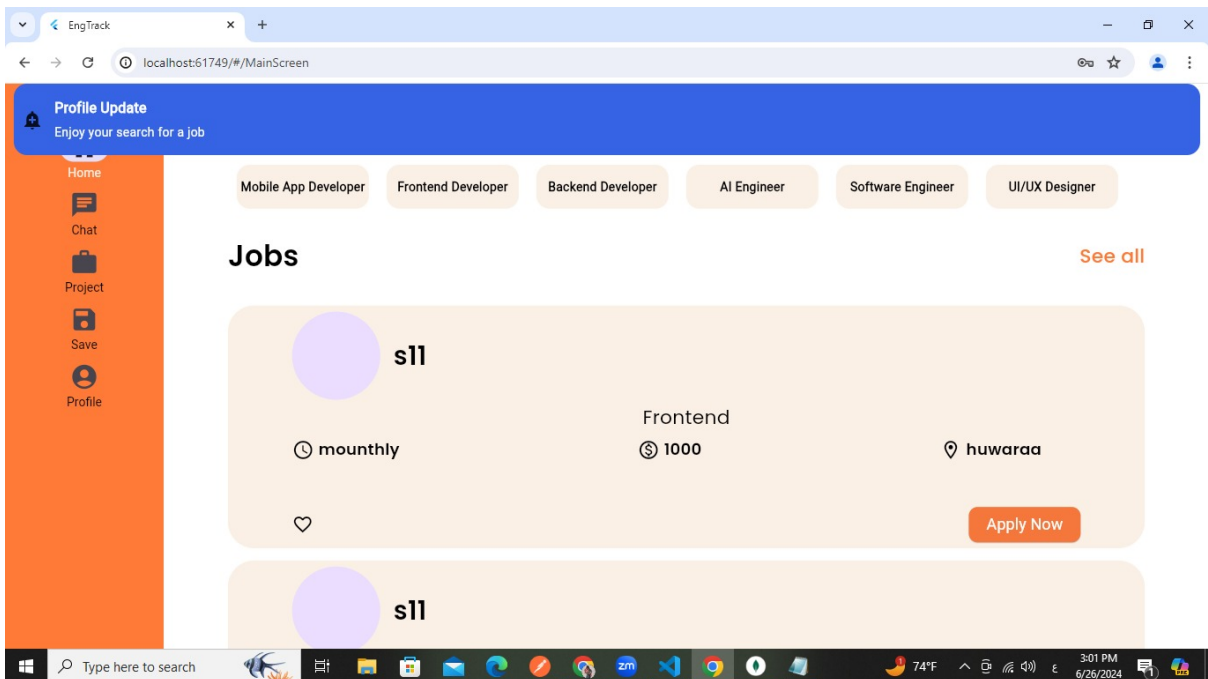


Figure 8.24: Profile Update Alert

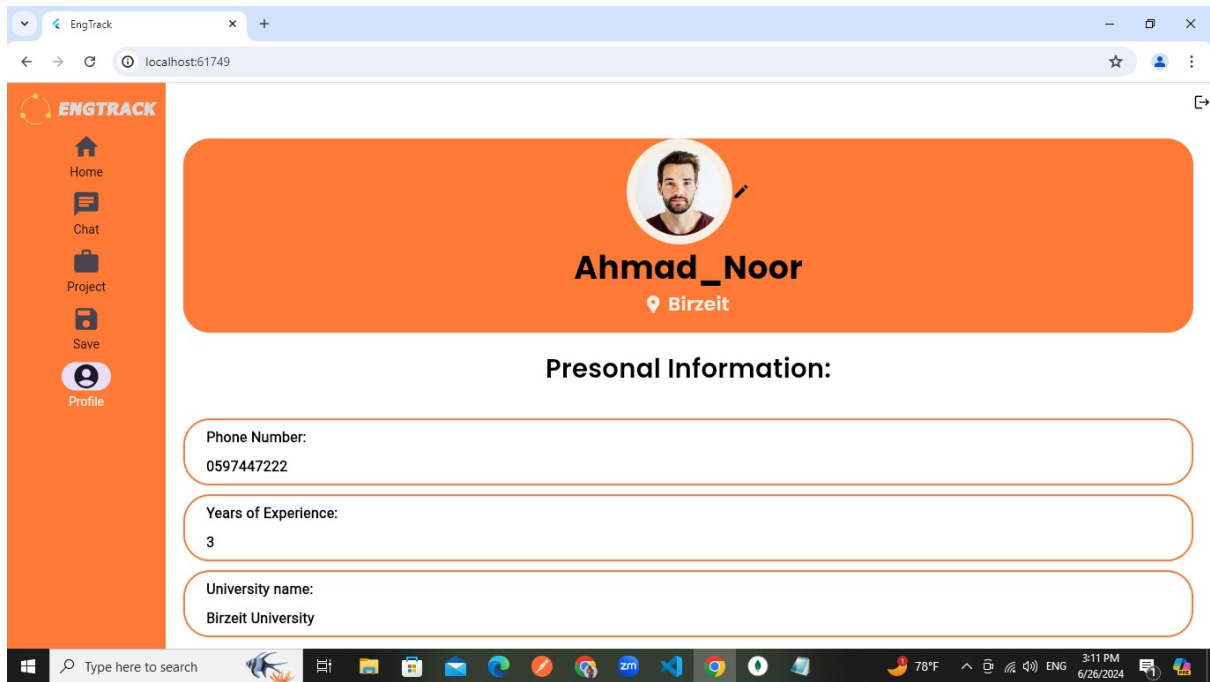


Figure 8.25: Profile Engineer

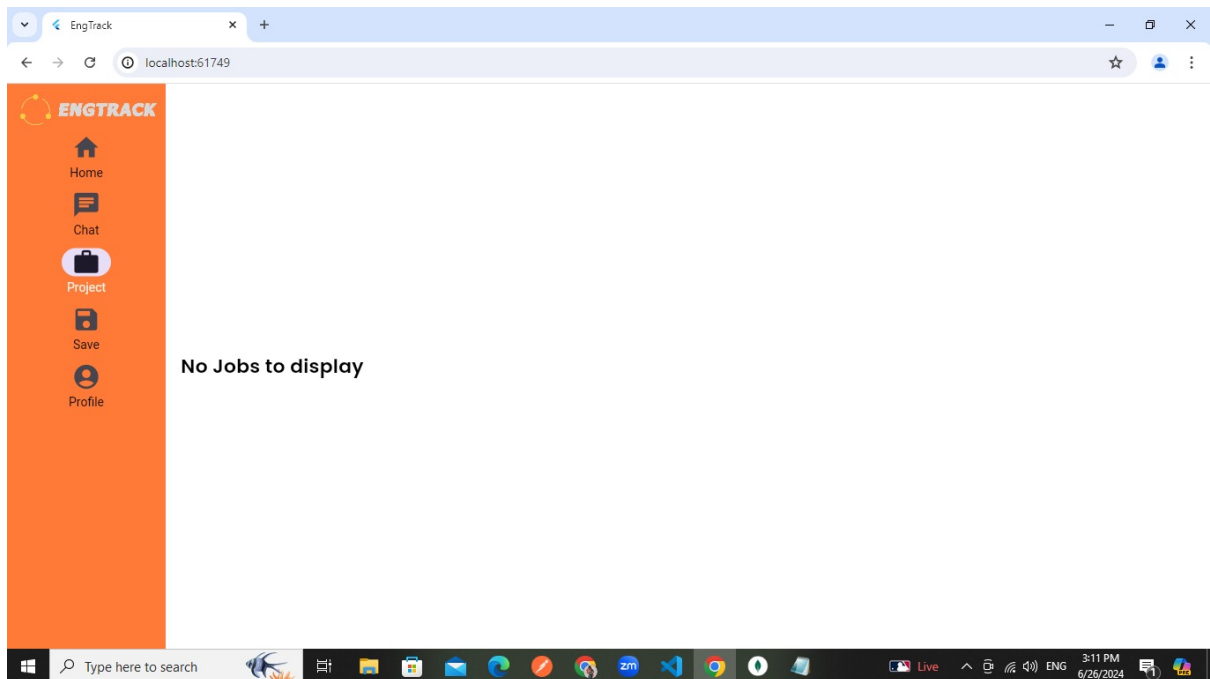


Figure 8.26: List Menu for Engineer and Project Page

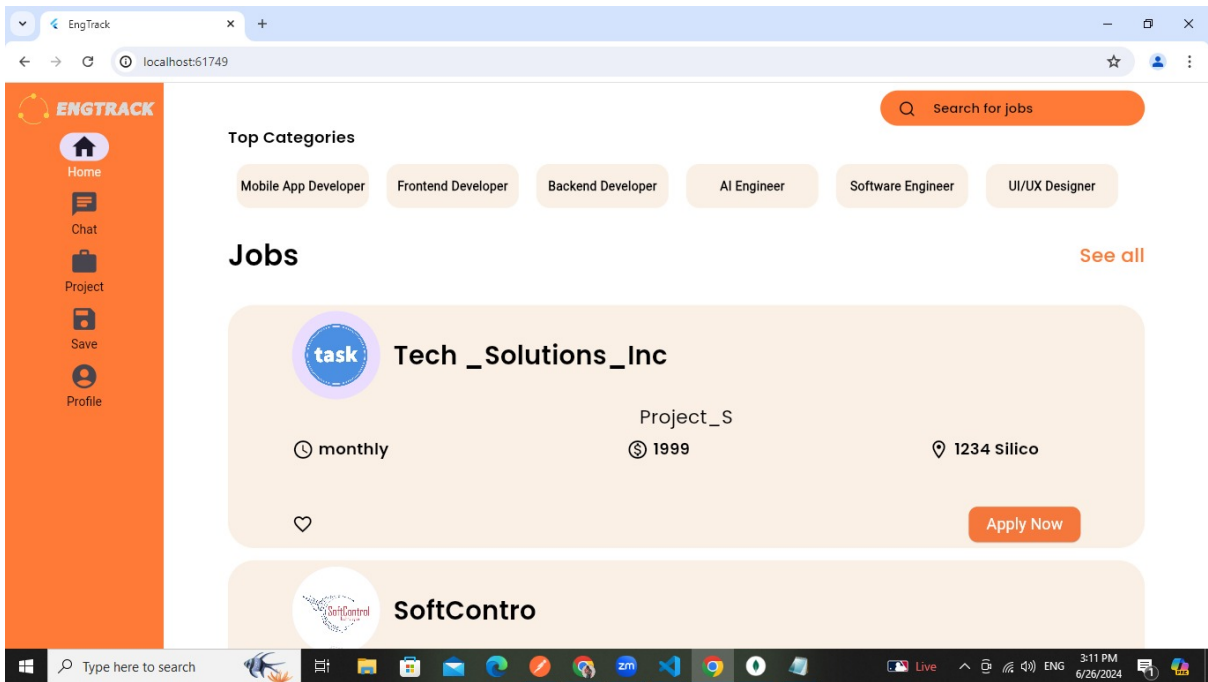


Figure 8.27: Home Page for Engineer

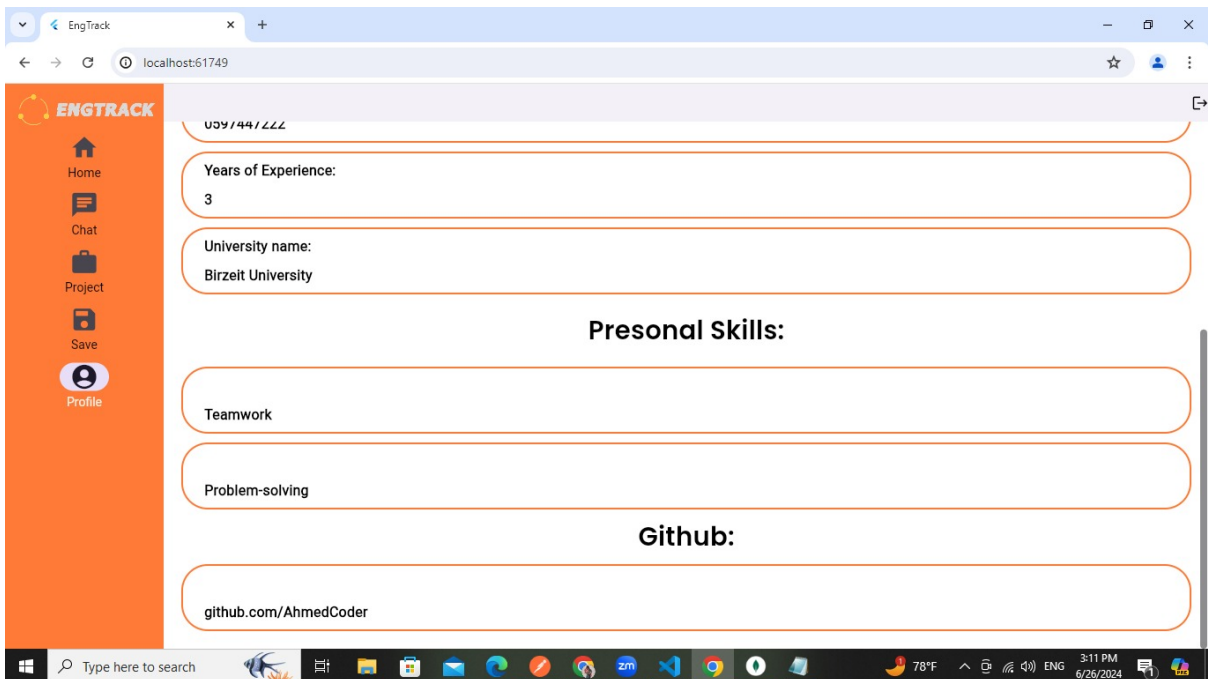
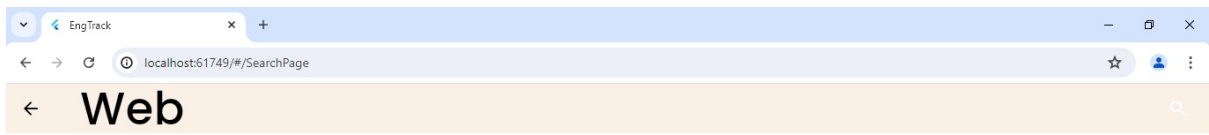


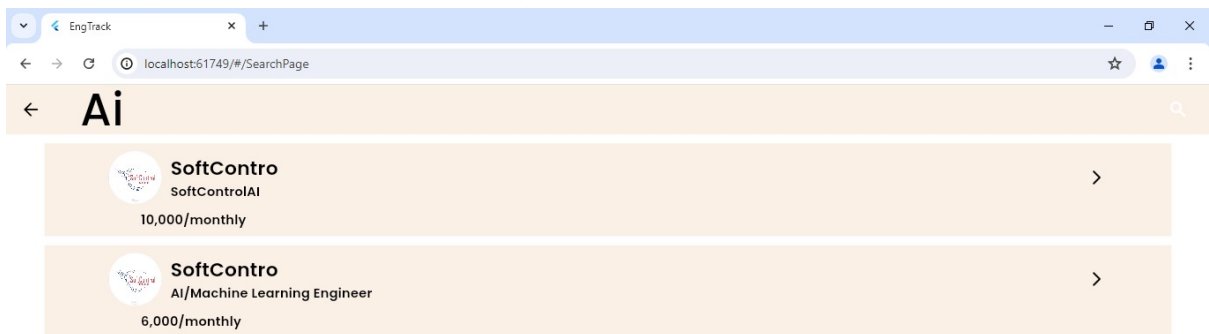
Figure 8.28: Profile Engineer



Job not found



(a) Job not Found



(b) Find Job

Figure 8.29: Search Job Page

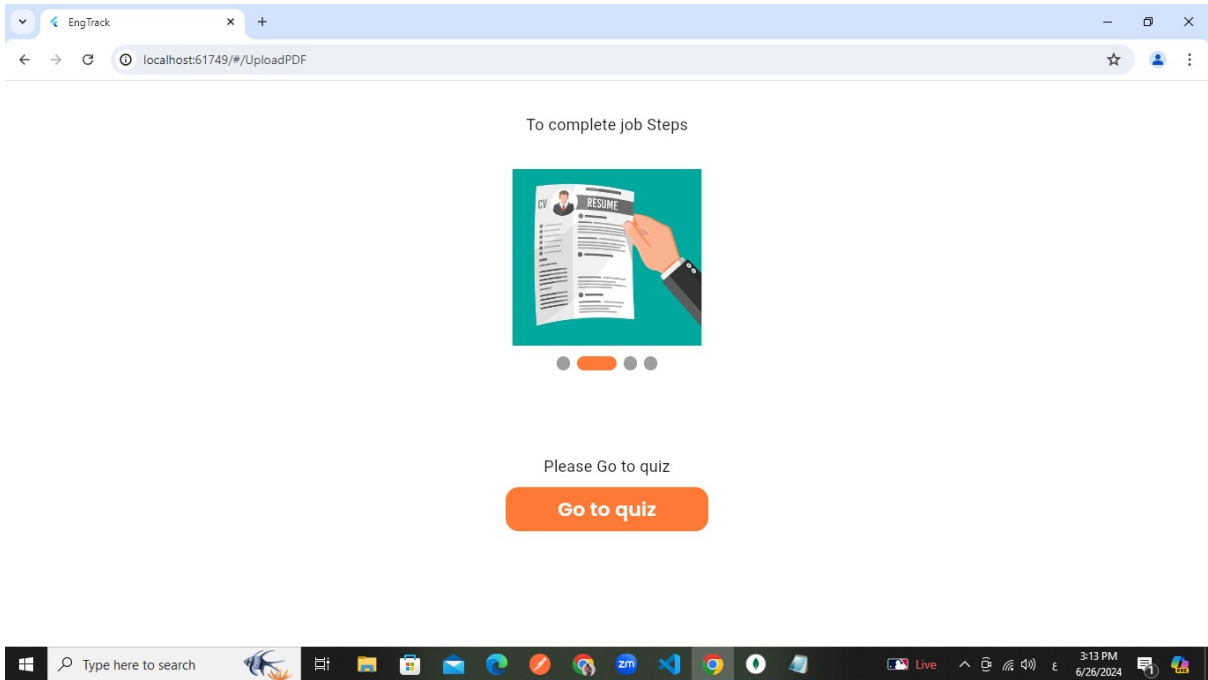


Figure 8.30: Steps for Apply Job

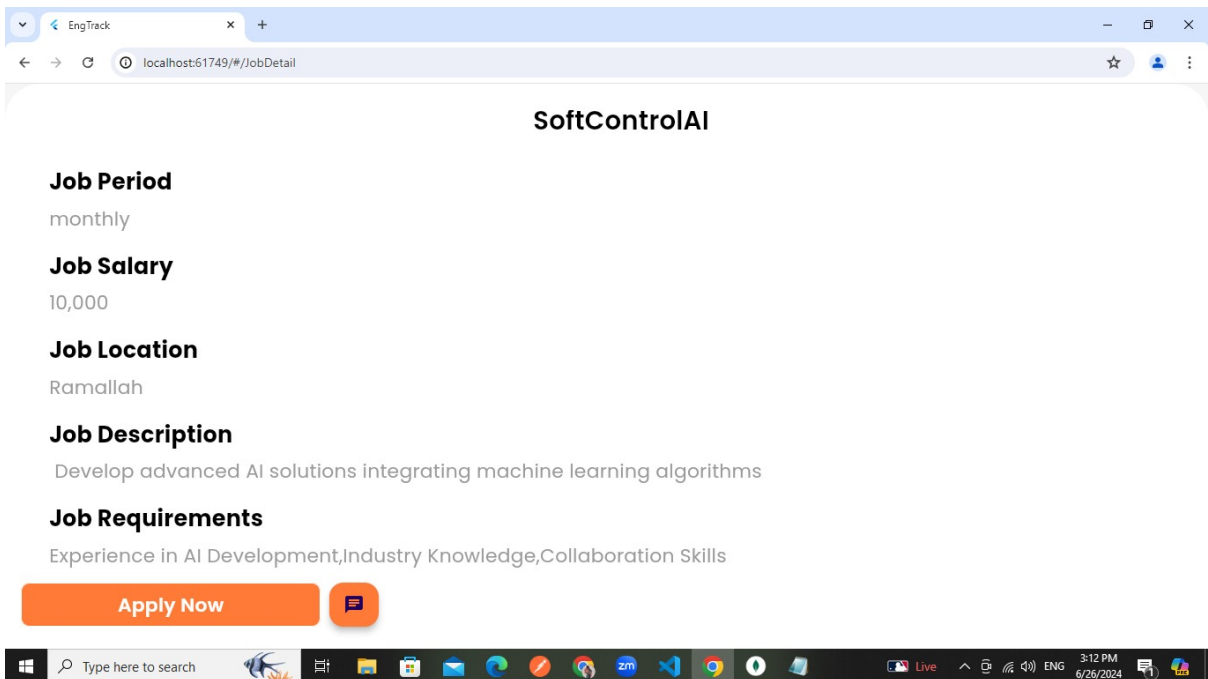


Figure 8.31: Job Details

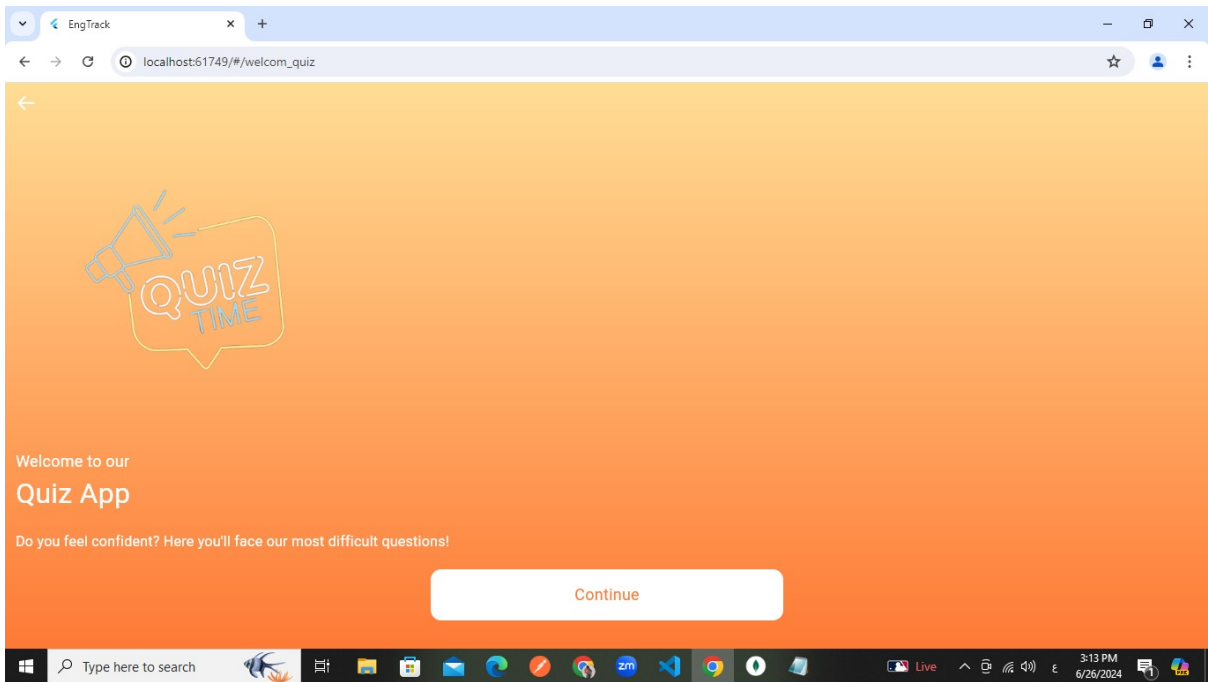


Figure 8.32: Welcome Quiz Screen

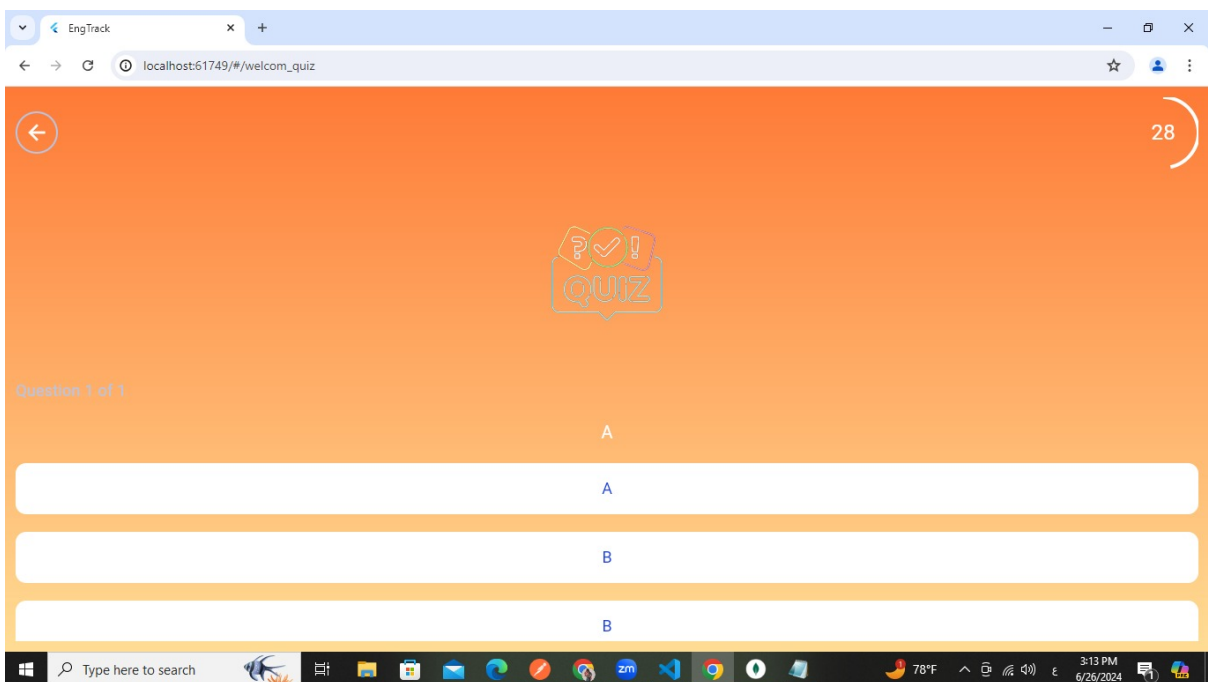


Figure 8.33: Quiz Question

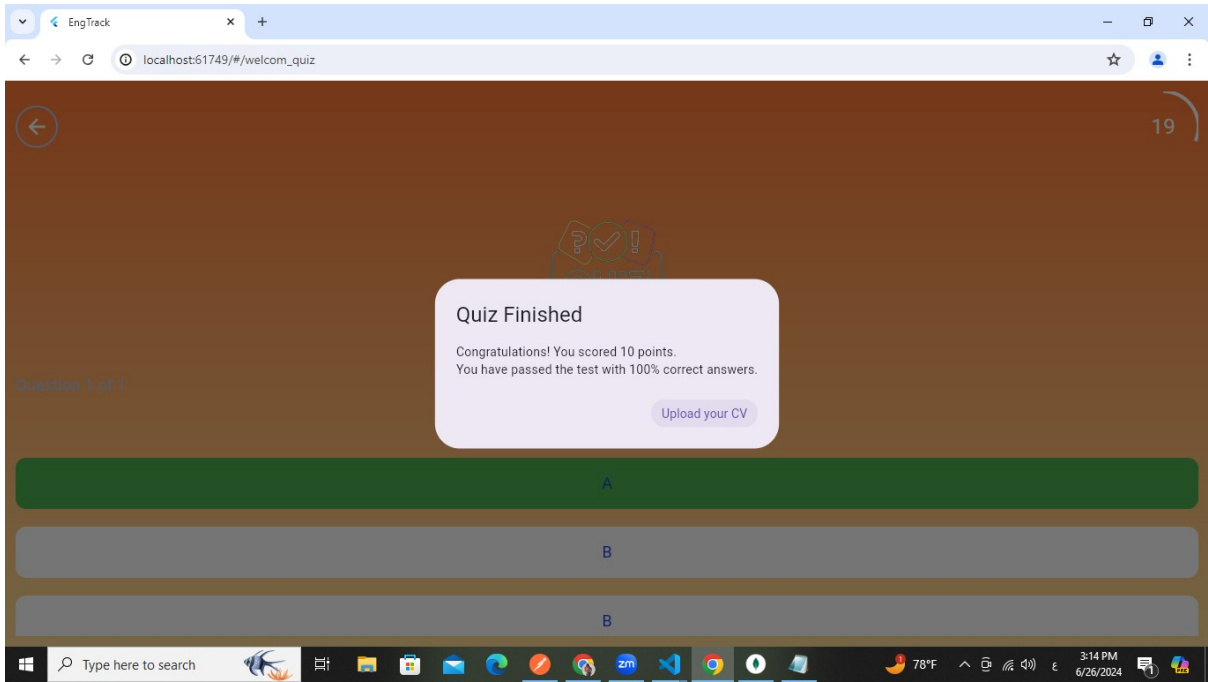


Figure 8.34: Upload CV

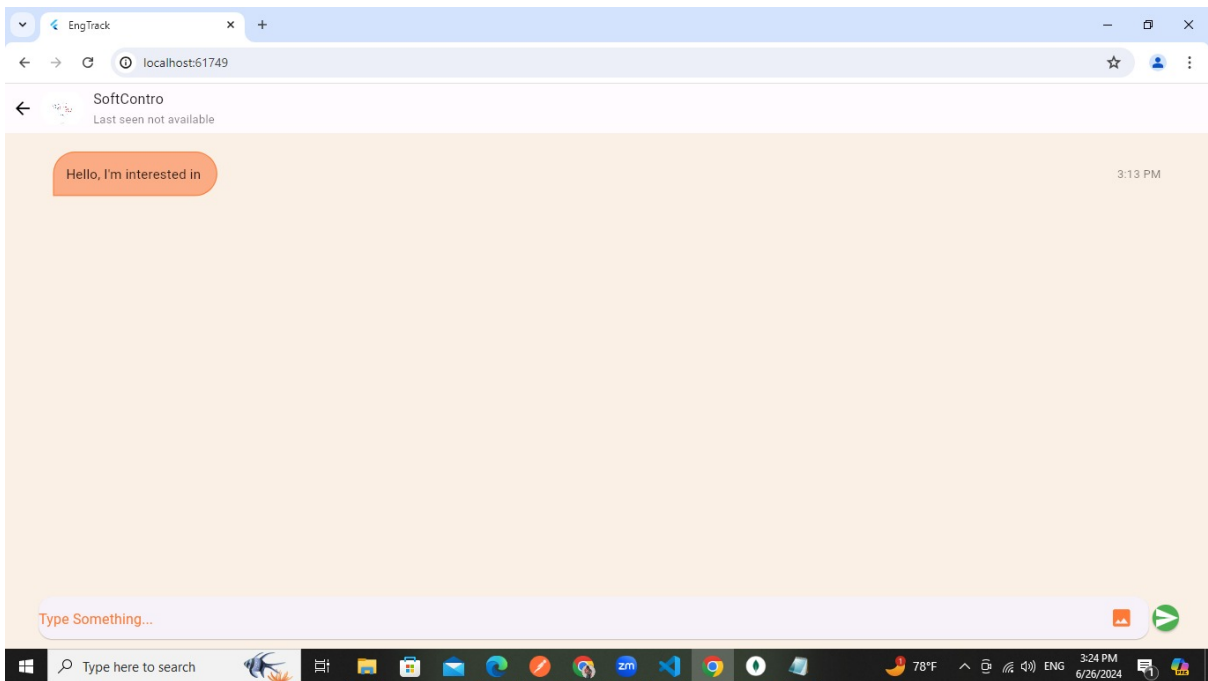


Figure 8.35: Chat with Company

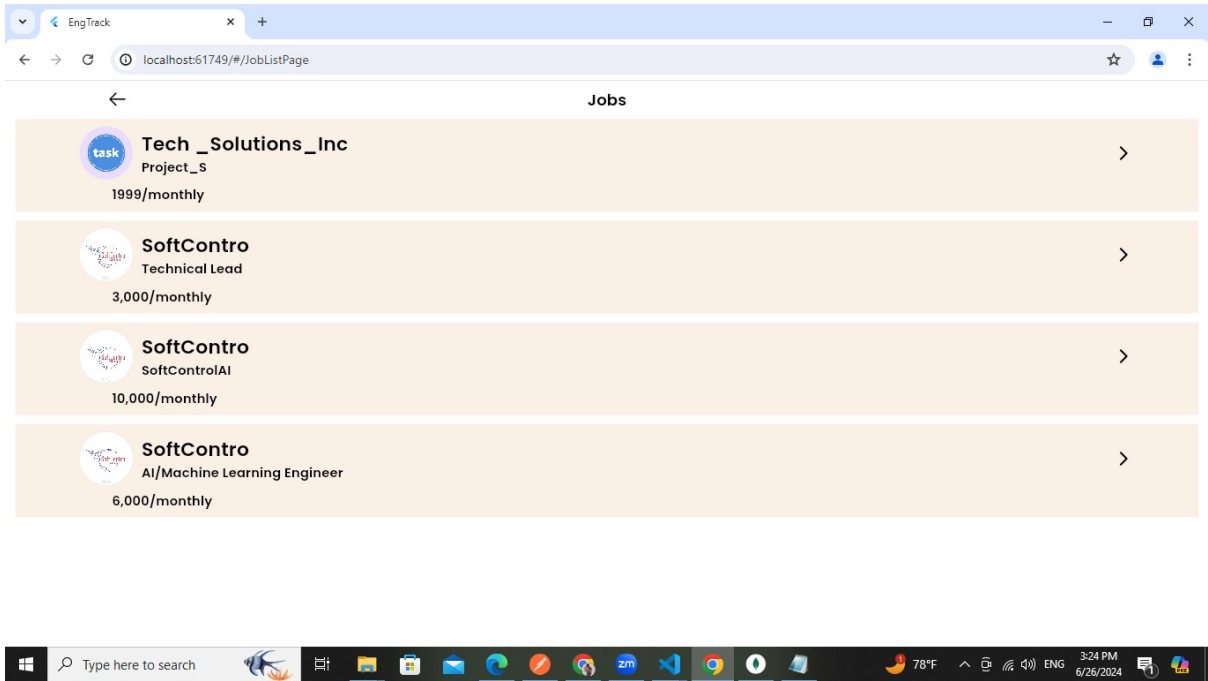
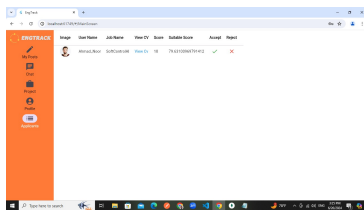
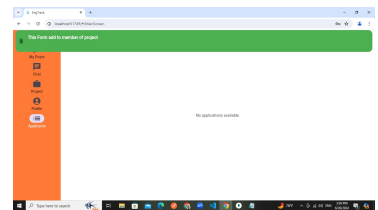


Figure 8.36: All of Jobs



(a) Applicants



(b) No Applicants Page

Figure 8.37: Applicants Table