

FREELANCO: A Mobile Application for Freelancers

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Abstract: *This paper has a main objective of Encouraging freelancers and creating employment and encouraging skillset of people around who are having skills but don't have platform to show up. Many Freelancers struggle to find best place where they can create their own identity, and find potential customers for their product or service. As there is no specific platform for freelancers out there. so they all will get a specific platform where they can find their potential customers and network with the people in their niche. Which will help them all to grow fast and get explore to new vision. This application will make another world for freelancers where they can nurture their skills also and learn new also from other freelancers as there will be so many freelancers show casing their own skill set.*

Keywords: Freelancing, remote work, Online freelancing work, freelancers.

I. INTRODUCTION

As the job market becomes more competitive, freelancing offers a flexible way to gain experience and work for oneself. However, finding clients can be a challenge, which is where a new mobile application comes in. This app allows freelancers to connect with potential customers and other freelancers, creating a community of like-minded individuals who can support and inspire one another. The platform aims to help freelancers showcase their skills and products to those who are looking for them, and to provide a system for quality control and feedback. Additionally, the app could generate employment opportunities for freelancers who can help employers complete specific tasks. With its potential for wide-reaching promotion and applicability across all categories of freelancing, the app has significant scope for success.

The purpose of the application is to provide a platform for freelancers to connect with a large network of potential customers and gain recognition for their skills. It also aims to provide employment opportunities for freelancers while promoting their work to a wider audience.

II. LITERATURE SURVEY

Freelancing has become increasingly popular over the years, with more and more people choosing to work for themselves rather than signing a contract with a single company. This trend has led to the development of various platforms and tools to support freelancers, including mobile applications. According to a survey conducted by the Freelancers Union, 72% of freelancers said that technology has made it easier to find freelance work. A mobile application designed for freelancers can help them manage their work and connect with potential clients.

One such application is Fiverr, which provides a platform for freelancers to offer their services to customers worldwide. The application allows freelancers to create a profile, showcase their skills, and bid on projects posted by clients. The client can then select the freelancer they believe is the best fit for their project. Similarly, Upwork, formerly known as Elance-oDesk, is a global freelancing platform that enables businesses and independent professionals to connect and collaborate remotely. The platform offers various features, including project management tools, time tracking, and invoicing, to help freelancers manage their work and ensure they are paid for their services.

Another mobile application designed for freelancers is Freelancer.com. The platform offers various features, including project matching, time tracking, and secure payments, to help freelancers find work and manage their projects. The application also provides access to millions of potential clients worldwide, making it easier for freelancers to expand their client base.

In addition to these platforms, there are also mobile applications designed specifically for certain types of freelancers. For example, Toptal is a platform for freelance software developers and designers, while TaskRabbit is a platform for freelance home service providers, such as cleaners and handymen. These applications provide a targeted approach to finding work and can be beneficial for freelancers who specialize in a particular area.

Overall, mobile applications for freelancers can provide a range of benefits, including access to a global client base, streamlined project management, and secure payment options. As the trend towards freelancing continues, it is likely that we will see more applications developed to support the growing community of freelancers.

III. SYSTEM DESIGN

Based on the requirements and objectives mentioned in the previous sections, a mobile application for freelancers will be designed as follows:

3.1 System Architecture:

The mobile application for freelancers will be developed as a client-server architecture, where the client will be a mobile application that will run on various mobile devices, and the server will be hosted in the cloud. The server-side application will be designed as a RESTful API, which will be used to provide various services to the mobile application.

3.2 Functional Requirements:

The mobile application will have the following functionalities:

- **Registration and Authentication:** The application will allow users to register and create their accounts. The authentication process will be done through email verification or mobile number verification.
- **Profile Creation:** Once the user has registered, they will be able to create their profile by providing information such as their name, contact information, skills, portfolio, and work experience.
- **Job Search:** Users will be able to search for available jobs based on their skills, location, and other filters. The application will display the available jobs based on the user's search criteria.
- **Bidding and Proposal Submission:** Users will be able to bid on the available jobs by submitting their proposals. The application will provide a platform for the user to communicate with the employer to discuss the project details and submit their proposals.
- **Payments and Invoicing:** The application will allow the user to manage their payments and invoices. The user will be able to send invoices to the employer and receive payments through the application.
- **Feedback and Rating System:** The application will have a feedback and rating system that will allow the employer to rate the freelancer's work and provide feedback.

3.3 Non-Functional Requirements

- **Security:** The application will be designed with secure coding practices to ensure data privacy and confidentiality. The application will use encryption for sensitive data, and the communication between the client and server will be secured using SSL.
- **Scalability:** The application will be designed to handle a large number of users and jobs. The application will be hosted on cloud-based servers, and the infrastructure will be designed to handle high traffic and load.
- **Usability:** The application will be designed with a user-friendly interface that will allow the user to easily navigate and use the application. The application will have a simple and intuitive design that will minimize the learning curve for the user.

3.4 Technology Stack

The following technology stack will be used to develop the mobile application for freelancers:

- **Mobile Application:** The mobile application will be developed using React Native, which is a popular cross-platform framework for developing mobile applications.

- Server-Side Application: The server-side application will be developed using Node.js, which is a popular server-side
- JavaScript runtime environment. The server will be hosted on cloud-based servers such as AWS or Google Cloud Platform.
- Database: The database for the application will be MySQL, which is a popular open-source relational database management system.

3.5 Testing:

The application will undergo various testing phases to ensure that it meets the functional and non-functional requirements. The application will be tested for security vulnerabilities, performance, and usability. The testing will include manual testing, automated testing, and load testing.

3.6 Deployment

Once the application has been developed and tested, it will be deployed on the cloud-based servers. The deployment will be done in a phased manner, starting with a small group of users and gradually increasing the user base.

3.7 Maintenance and Support

After the deployment of the application, maintenance and support will be provided to ensure that the application remains functional and meets the changing requirements of the users. The application will be regularly updated with new features and bug fixes. Support will be provided to the users through various channels such as email, chat, or phone.

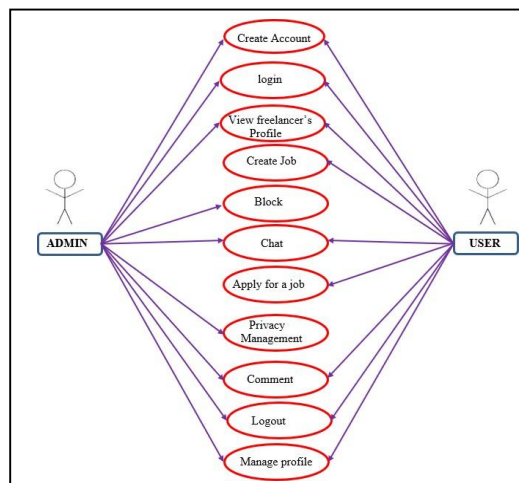


Fig 3.1 Use case diagram

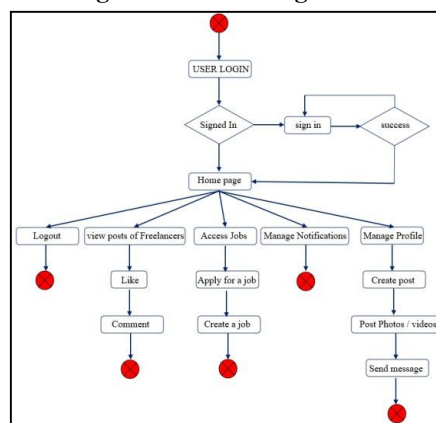


Fig 3.2 System Flow Diagram

IV. SYSTEM IMPLEMENTATION

The proposed system includes a main page (Fig 4.1) that is designed to provide an attractive user experience. The main page includes a “Home” section. Additionally, the main page includes a login functionality that enables users to access their accounts and engage with the system's features.

Fig 3.2 displays the home section of the proposed system, which allows users to navigate through all available items and explore whole application. This section provides a clear and concise layout of the Home tab, making it easy for users to make their selections.

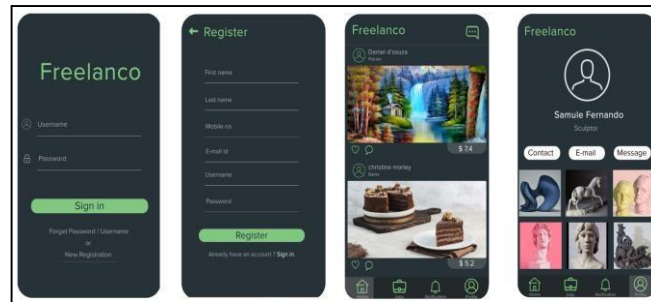


Fig 4.1 User Interface

V. FUTURE SCOPE

The future scope of the mobile application for freelancers is vast and promising. As the gig economy continues to grow, more and more people are turning to freelance work and the need for efficient and effective tools to connect freelancers with potential clients is only going to increase.

Another potential future scope is to add a feature for freelancers to collaborate with each other. This could be in the form of a forum or a chat feature that would allow freelancers to connect with others in their field and potentially work together on projects. This would not only provide an opportunity for freelancers to expand their skill set and network, but it would also benefit clients by giving them access to a wider range of talent and expertise.

Furthermore, the application can be enhanced with artificial intelligence and machine learning technologies to provide customized job recommendations and suggested pricing based on the freelancer’s skills and experience. This could potentially save freelancers time and effort in searching for suitable jobs and also help clients find the right freelancer for their project more quickly.

As the application grows and gains more users, it can also become a source of valuable data and insights into the gig economy. This data can be used to identify emerging trends, market demands, and areas where there is a shortage of skilled professionals. This information can be useful for policymakers, employers, and freelancers themselves to make informed decisions about their career paths and business strategies.

Overall, the future scope of the mobile application for freelancers is bright and full of possibilities. By continuing to innovate and develop new features, the application can become an indispensable tool for freelancers and clients alike, helping to bridge the gap between supply and demand in the gig economy.

VI. CONCLUSION

In conclusion, a mobile application for freelancers has the potential to revolutionize the way freelancers find work, manage their projects, and connect with clients. It provides a platform for freelancers to showcase their skills and work to a wider audience, and also allows them to manage their projects more efficiently. The application can also benefit employers, as they can easily find skilled freelancers for their projects. As the application evolves, it can incorporate new features such as real-time communication tools, project management features, and analytics to help freelancers track their progress and improve their skills. The application can also explore partnerships with other platforms to provide a more comprehensive range of services, such as financial management, legal support, and training programs. Overall, the mobile application for freelancers can be a game-changer for the gig economy, providing a one-stop-shop for freelancers to manage their work and connect with clients. It can help to create a more efficient and streamlined system for the freelance industry, making it easier for both freelancers and clients to find each other and work together.

VII. ACKNOWLEDGMENT

We would like to express our sincere gratitude to all the individuals and organizations who have supported and contributed to the successful completion of this project. First and foremost, we would like to thank our project supervisor, Dr. Ashfaq shaikh, and our in-charge Head of Department, Er. Shrinidhi Gindi, for their invaluable guidance, insights, and unwavering support throughout the project. Their expertise and encouragement have been instrumental in shaping our ideas and helping us to achieve our goals. We would also like to extend our appreciation to all the participants who volunteered their time and effort to provide us with the necessary data and information for the project. Without their cooperation, this project would not have been possible. We would also like to express our heartfelt appreciation and gratitude to our in-charge Principal Dr. Ganesh Kame for his assistance and facilities in this regard. Finally, we'd like to thank everyone who contributed directly or indirectly to the project's success.

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