



Scrum Master

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Freelance Hub

20INMCA509 - Mini Project 2

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ABSTRACT

Freelance Hub is an Online Freelance Job Management System which is an innovative web-based platform designed to facilitate seamless collaboration between clients and freelancers. The platform provides a robust set of features to streamline job posting, searching and project management processes. Key features include job posting and proposal management, direct freelancer access, search jobs and freelancers, integrated chat, and an AI-powered chatbot for common queries. Advanced features for premium users include enhanced visibility, certification badges, and customized job alerts, including sudden notifications for new job postings. The platform also offers robust administrative tools for managing users and resolving disputes, along with a suite of project management tools for tracking progress and facilitating communication.

**USERS:**

1. Client
2. Freelancer
3. Administrator

**MODULES FOR MINI PROJECT**

**Client Features:**

1. **Profile Management:** View ,update profile.
2. **Job Posting:** Clients can post detailed job descriptions, specifying requirements and budgets.
3. **Proposal Management:** View and manage proposals from freelancers, accepting the best match based on skills, experience, and price.
4. **Direct Freelancer Access:** Clients can directly access freelancer profiles and send job proposals.
5. **Rating and Review:** Provide ratings and reviews for freelancers upon project completion.
6. **Complaint Reporting:** Report issues or complaints about freelancers to the administrator.
7. **Progress Tracking:** View updates and progress reports from freelancers on corresponding job tabs.
8. **Payment**: Facilitate secure payments to freelancers.
9. **Password Reset:** Allow clients to reset their passwords securely.
10. **Logout:** Secure logout functionality.

**Freelancer Features:**

1. **Job Search and Proposal Submission:** Search for jobs and submit proposals tailored to client requirements.
2. **To-Do List:** Track project tasks and deadlines with an integrated to-do list to mark activities.
3. **Profile Management:** Maintain a detailed profile showcasing skills, experience, and past projects (view and update profile).
4. **Daily Progress Updates:** Update clients on project progress with daily status reports.
5. **Rating and Review Clients:** Rate and review clients based on their interaction and professionalism.
6. **Complaint Reporting:** Report client issues to the administrator.
7. **Notifications:** Receive notifications about schedules, deadlines.
8. **Chat System:** Integrated chat for real-time communication between clients and freelancers.
9. **Password Reset:** Allow clients to reset their passwords securely.
10. **Premium Upgrade:** Access premium features such as enhanced visibility, certification badges, and customized job alerts , including sudden notifications for new job postings.
11. **Logout**: Secure logout functionality.

**Administrator Features:**

1. **User Management:** Manage user accounts, including activation and deactivation of clients and freelancers.
2. **Complaint Handling:** Review and address complaints, with the authority to deactivate users after repeated offenses.
3. **Analytics Dashboard:** Detailed analytics to monitor platform performance and user activity.

**MODULES FOR MAIN PROJECT**

* **Enhanced Search and Filtering:** Use advanced search filters and machine learning recommendations to find top-rated freelancers.
* **AI Chatbot:** An AI-powered chatbot to handle common questions automatically from client and freelancer (pre-defined questions).
* **Premium Upgrade for freelancer:** Access premium features such as enhanced visibility, certification badges, and customized job alerts.
* **Mobile App Conversion:** Develop a mobile application version of the platform using Flutter to improve accessibility and user experience on smartphones and tablets.

**TECHNOLOGIES USED:**

* **Frontend:** Html,CSS,JS,JQuery
* **Backend Framework:** Django
* **Database Management System:** SQLite
* **Mobile Application Development:** React Native or Flutter

**RESEARCH TOPIC:**

Enhancing Job Recommendation Systems for Freelance Platforms Using Machine Learning