



FreelanceHub

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01

Overview of the project



Abstract

- Freelance Hub is an Online Freelance Job Management System that streamlines collaboration between clients and freelancers through features like project posting, proposal management, and real-time chat.
 - It also offers an AI-powered chatbot for support and premium features such as enhanced job visibility, certification badges, and customized job alerts.
 - For project management, Freelance Hub employs Scrum principles: clients post projects, receive freelancer proposals, and assign tasks.
 - Freelancers provide progress updates in Daily Scrums, and clients review and complete tasks, ensuring alignment with project goals.
 - An installment-based payment system, feedback, and rating capabilities build a secure, trustworthy ecosystem for successful collaborations.
- 

Project WorkFlow

Client posts a project with requirements.

01

Client reviews submitted proposals, compares freelancer profiles, and selects the best fit.

02

Freelancers browse and submit tailored proposals.

03

Client and freelancer agree on the project terms, milestones, and payment structure.

04

Client assigns specific tasks or user stories to the freelancer to kickstart the project.

05

Freelancer shares updates with the client, possibly during daily or weekly Scrum meetings.

06

Client reviews the progress and provides feedback to ensure alignment with expectations.

07

Continuously improve the product based on customer feedback and market trends

08



02

Users of the project



Users

01

Client

Individuals or organizations posting job opportunities and managing projects.

02


Freelancer

Independent professionals offering services and delivering project outcomes.

03

Administrator

Oversees platform operations, manages user interactions, and ensures platform integrity






03

Modules of the project




Client Features

- **Profile Management:** Clients can manage their profile details, including name, email, phone number, and project history.
 - **Project Posting:** Clients create comprehensive job descriptions specifying project scope, requirements, deadlines, and budget.
 - **Proposal Management:** Clients review and manage proposals submitted by freelancers.
 - **Rating and Review:** Clients provide feedback on freelancer performance upon project completion.
 - **Complaint Reporting:** Clients report issues or concerns about freelancer conduct.
 - **Progress Tracking:** Clients monitor project progress through updates from freelancers.
- 




Client Features

- **Task Management:** Clients define and manage project tasks or user stories.
 - **Payment:** Clients process payments to freelancers securely through the platform.
 - **Scrum Meeting Reminders:** Clients can initiate and receive reminders for Scrum meetings with freelancers.
 - **Notifications:** Clients receive real-time notifications about project updates and communications.
 - **Chat System:** Integrated chat facilitates direct communication with freelancers.
 - **Password Reset:** Clients can reset their passwords securely.
 - **Premium Upgrade:** Clients can access enhanced features through a premium subscription.
 - **Logout:** Clients can securely log out of their accounts.
- 




Freelancer Features

- **Profile Management:** Freelancers manage their profiles, including skills, experience, and portfolio.
 - **Project Search and Proposal Submission:** Freelancers search for projects and submit tailored proposals.
 - **To-Do List:** Freelancers track project tasks, deadlines, and priorities.
 - **Daily Progress Updates:** Freelancers provide daily updates to clients about project status.
 - **Rating and Review Clients:** Freelancers rate and review clients based on interactions.
 - **Complaint Reporting:** Freelancers report issues or concerns about clients.
 - **Notifications:** Freelancers receive real-time notifications about projects and communications.
 - **Chat System:** Integrated chat facilitates direct communication with clients.
 - **Password Reset:** Freelancers can reset their passwords securely.
 - **Premium Upgrade:** Freelancers can access enhanced features through a premium subscription.
 - **Logout:** Freelancers can securely log out of their accounts.
- 



Administrator Features

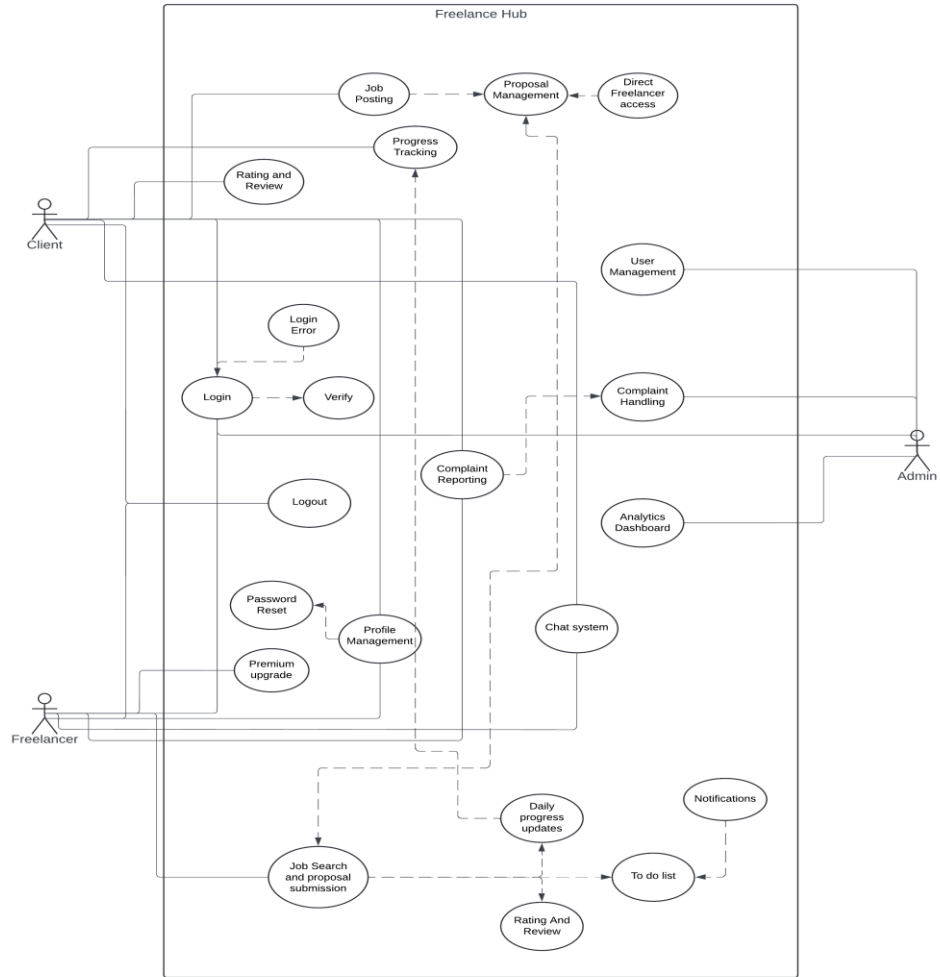
- **User Management:** Administrators manage user accounts, including activation and permissions.
 - **Complaint Handling:** Administrators review and resolve client and freelancer complaints.
 - **Analytics Dashboard:** Administrators access detailed analytics for platform performance and user activity.
- 



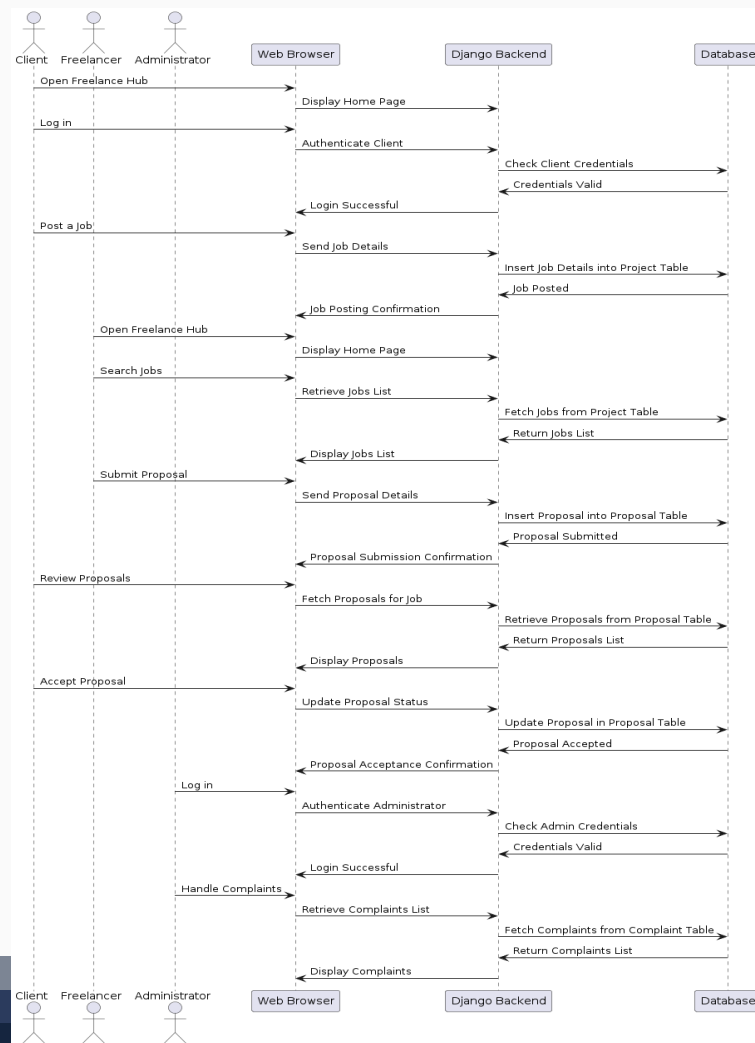
04

UML Diagrams

Use Case Diagram



Sequence Diagram

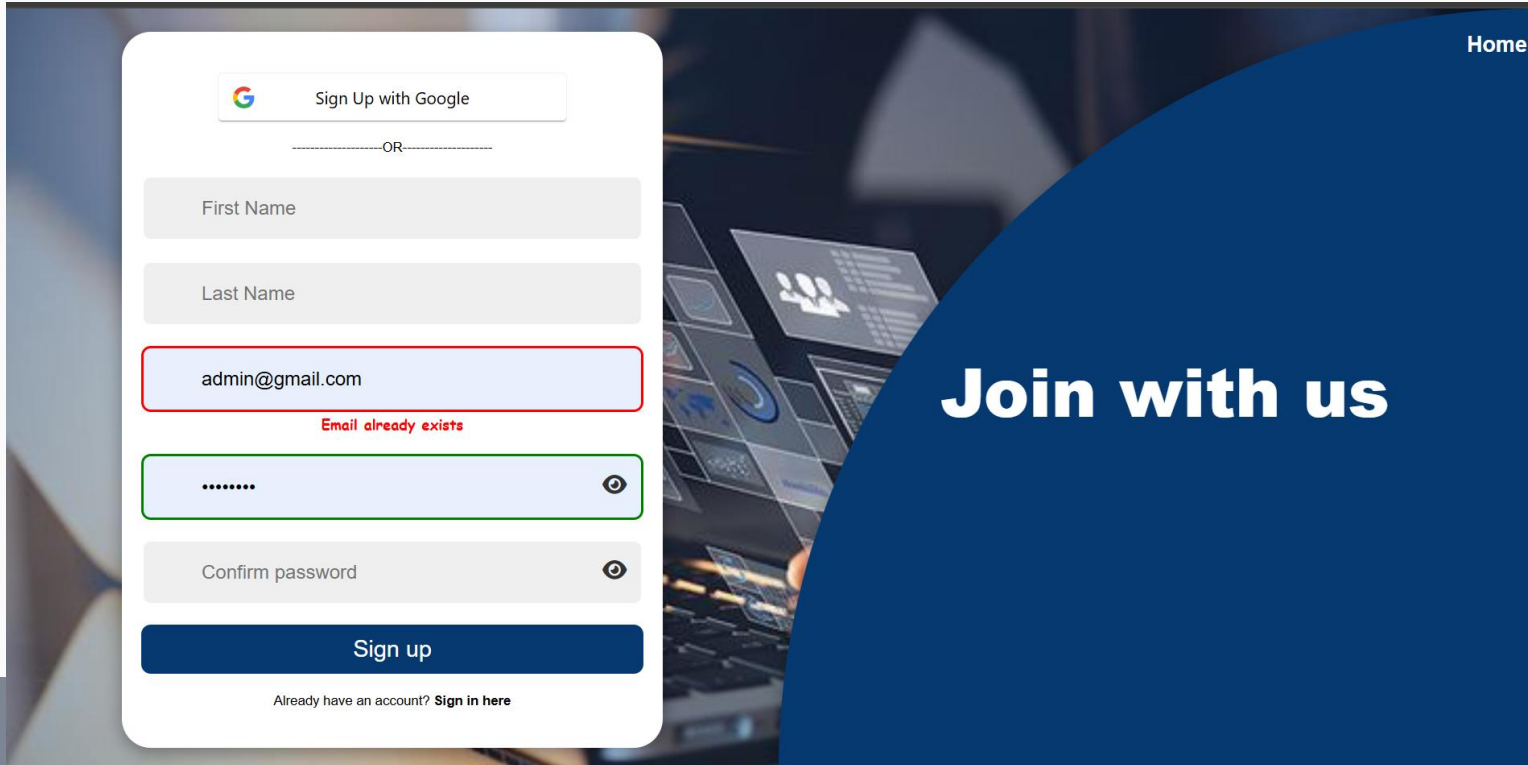




05

Project screens

Register and Login Pages

A registration page mockup with a white form on a dark blue background. The form includes a Google sign-up button, a separator, and input fields for First Name, Last Name, Email, and Password. The email field contains 'admin@gmail.com' and has a red error message 'Email already exists' below it. The password field is masked with dots and has a toggle icon. There is also a 'Confirm password' field. A 'Sign up' button is at the bottom of the form, and a link 'Sign in here' is at the very bottom. A 'Home' link is in the top right corner. A large blue curved shape on the right contains the text 'Join with us'.

Home

Sign Up with Google

-----OR-----

First Name

Last Name

admin@gmail.com

Email already exists

.....

Confirm password

Sign up

Already have an account? [Sign in here](#)

Join with us

Figure 1 : Registration page

Register and Login Pages

Welcome Back!!

Home



Sign In with Google

OR

ava.robinson@gmail.com

.....



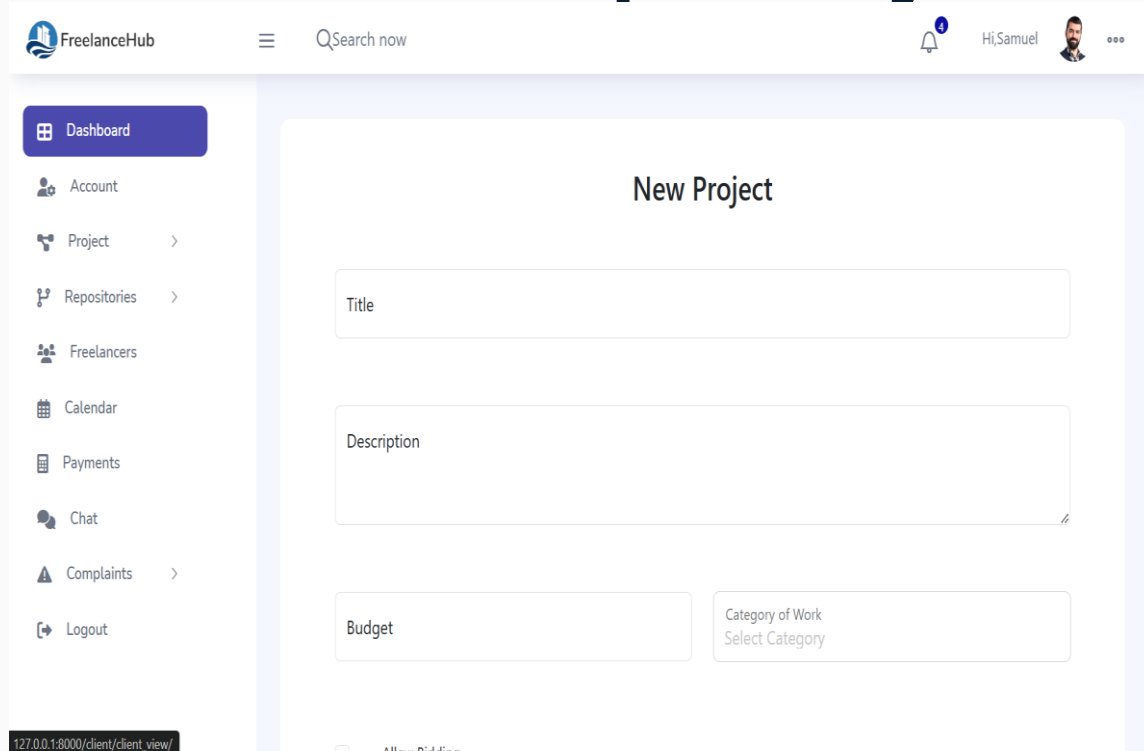
Sign in

[Forgot password?](#)

Don't have an account? [Sign up here](#)

Figure 2 : Login page

Project Lifecycle: From Creation to Repository Access



The screenshot shows the 'New Project' page on the FreelanceHub website. The page has a light blue header with the FreelanceHub logo, a search bar, and a user profile for 'Hi, Samuel'. A left sidebar contains navigation links: Dashboard, Account, Project, Repositories, Freelancers, Calendar, Payments, Chat, Complaints, and Logout. The main content area is titled 'New Project' and contains a form with the following fields: Title, Description, Budget, and Category of Work (with a dropdown menu). At the bottom left, there is a URL bar showing '127.0.0.1:8000/client/client_view/'.

FreelanceHub

Search now

Hi, Samuel

Dashboard

Account

Project

Repositories

Freelancers

Calendar

Payments

Chat

Complaints

Logout

New Project

Title

Description

Budget

Category of Work
Select Category

127.0.0.1:8000/client/client_view/

Figure 3 : New Project adding page

Project Lifecycle: From Creation to Repository Access

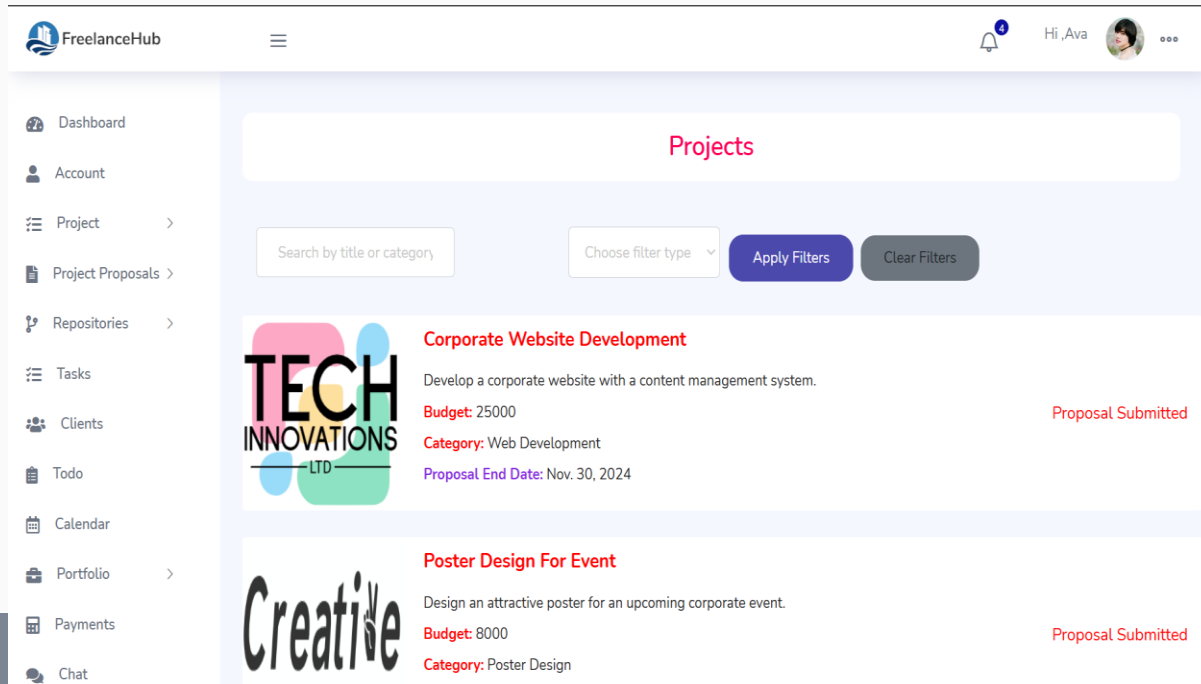
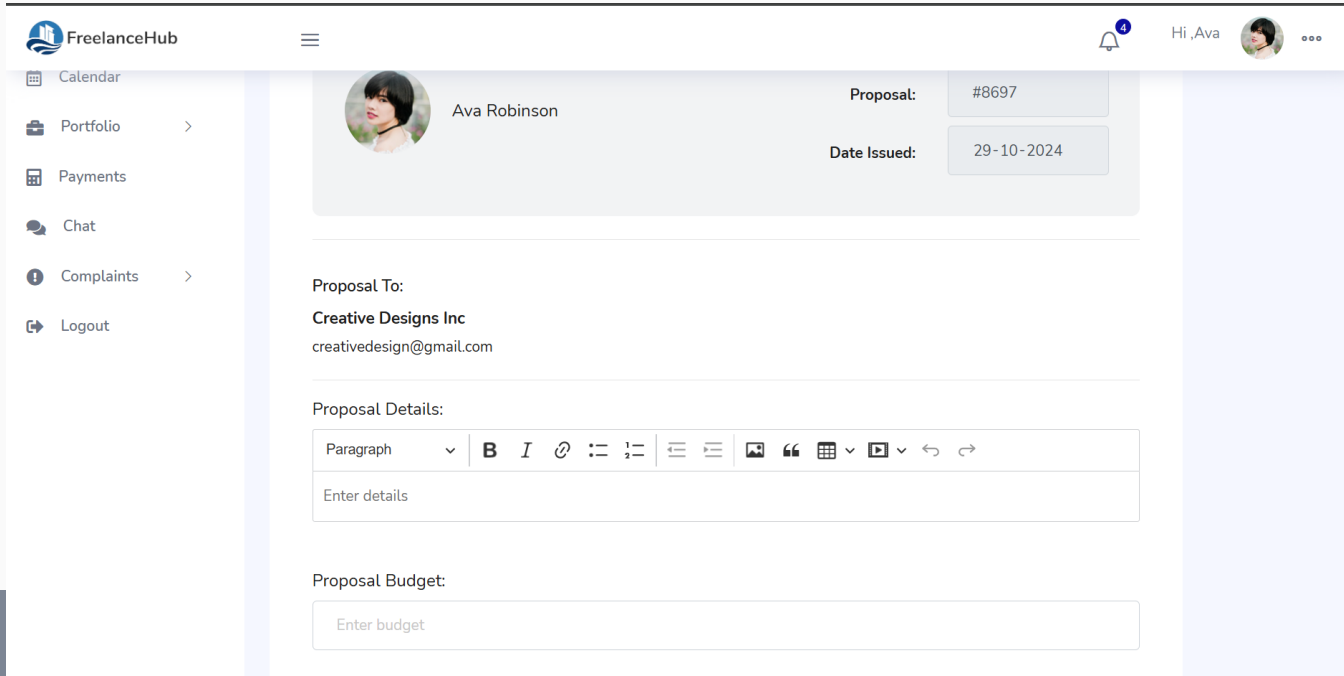


Figure 4 : Project list page in freelancer side

Project Lifecycle: From Creation to Repository Access



The screenshot shows the FreelanceHub interface for creating and submitting a proposal. The top navigation bar includes the FreelanceHub logo, a menu icon, a notification bell with a blue badge showing '4', and a user profile for 'Hi, Ava' with a circular profile picture and a three-dot menu. The left sidebar contains links for Calendar, Portfolio, Payments, Chat, Complaints, and Logout. The main content area is for Ava Robinson, showing the proposal number #8697 and the date issued 29-10-2024. Below this, the 'Proposal To:' section identifies the recipient as Creative Designs Inc with the email creativedesign@gmail.com. The 'Proposal Details:' section features a rich text editor with a toolbar containing icons for paragraph, bold, italic, link, text color, background color, bulleted list, numbered list, indent, outdent, image, quote, table, video, and undo/redo. The text area below the toolbar contains the placeholder 'Enter details'. The 'Proposal Budget:' section has a text input field with the placeholder 'Enter budget'.

FreelanceHub

Calendar

Portfolio

Payments

Chat

Complaints

Logout

Ava Robinson

Proposal: #8697

Date Issued: 29-10-2024

Proposal To:

Creative Designs Inc
creativedesign@gmail.com

Proposal Details:

Paragraph **B** *I* 🔗 🎨 📌 📋 📏 📁 📧 📺 📌 ↩ ↪

Enter details

Proposal Budget:

Enter budget

Figure 5 : Proposal create and submission page

Project Lifecycle: From Creation to Repository Access

The screenshot displays the FreelanceHub client interface. The top navigation bar includes the FreelanceHub logo, a search bar, and user information (Hi, Samuel). The left sidebar contains a menu with options: Dashboard, Account (selected), Project, Repositories, Freelancers, Calendar, Payments, Chat, Complaints, and Logout. The main content area shows the project details for 'LOGO CREATION FOR STARTUP'. The project description is 'Create a professional logo for a new startup.' with a budget of 5000, category of Logo Design, and status of closed. The assigned freelancer is Daniel Miller. A 'Project File' section shows a red document icon. Below this, there are buttons for 'View Repository' and 'Back to Projects'. The 'PROJECT PROPOSALS' section shows a table of proposals submitted by freelancers. The table has columns for Freelancer, Email, Budget, Status, and Actions. Two proposals are listed: one by Daniel Miller (Accepted) and one by Ava Robinson (Rejected).

FreelanceHub Search now Hi, Samuel

LOGO CREATION FOR STARTUP

Description: Create a professional logo for a new startup.

Budget: 5000

Category: Logo Design

Status: closed

Assigned Freelancer: Daniel Miller

Project File:

[View Repository](#) [Back to Projects](#)

PROJECT PROPOSALS

All Proposals Locked Proposals Unlocked Proposals

Freelancer	Email	Budget	Status	Actions
	daniel.miller@gmail.com	5000.00	Accepted	
	ava.robinson@gmail.com	5000.00	Rejected	

127.0.0.1:8000/client/account/settings/

Figure 6 : Single Project page in client side with proposals submitted by freelancers

Project Lifecycle: From Creation to Repository Access

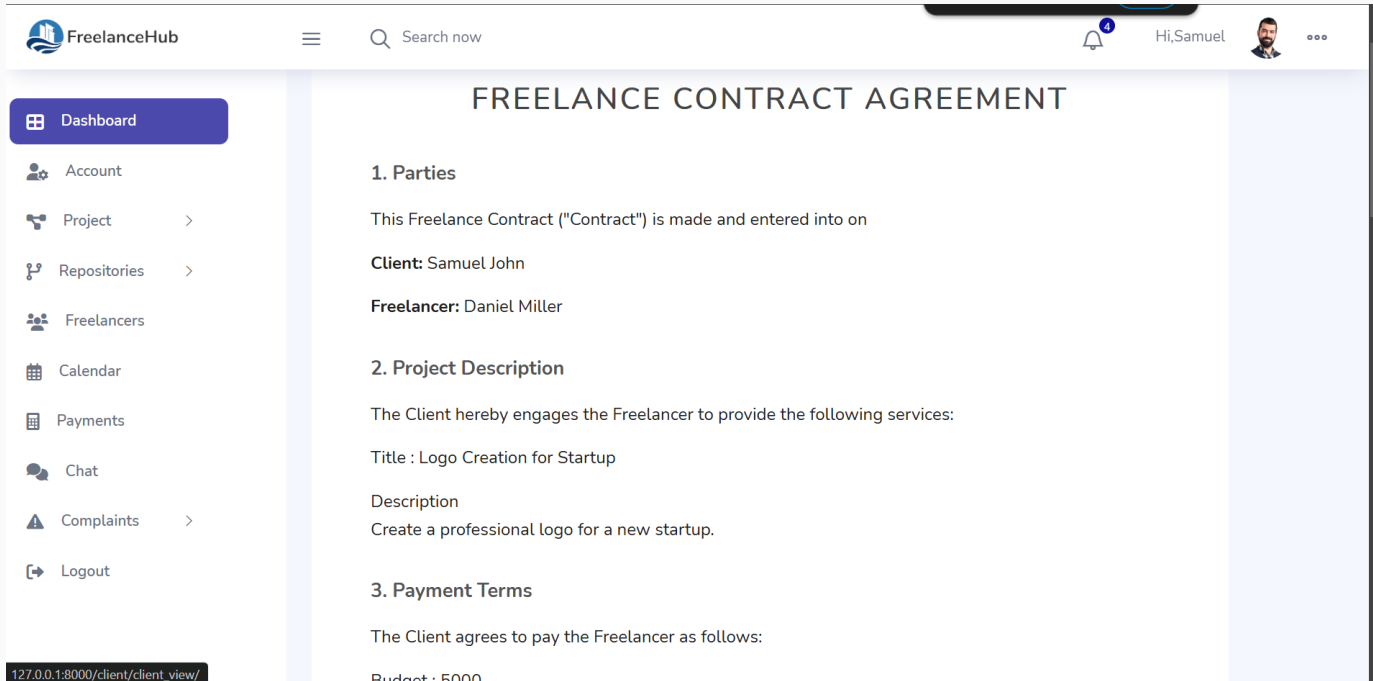


Figure 7 : Agreement creation and submission page

Project Lifecycle: From Creation to Repository Access

The screenshot displays the FreelanceHub interface. The top navigation bar includes the FreelanceHub logo, a search bar, and user information (Hi, Samuel). The left sidebar contains a menu with options: Dashboard, Account, Project, Repositories (selected), Freelancers, Calendar, Payments, Chat, and Complaints. The main content area is titled 'Project Details' and features a 'Project Tasks' section. This section includes tabs for Tasks, Activities, Meeting Notes, Documents, and GitHub Repository. Below the tabs, there is a '+ Add Task' button and a filter bar with 'All Tasks', 'In Progress', 'Completed', and 'Pending' options. A 'Show 5 entries' dropdown and a 'Search tasks...' input field are also present. The tasks are listed in a table with columns for Task Title, Due Date, Status, Progress, Change Status, and Actions.

Task Title	Due Date	Status	Progress	Change Status	Actions
werty	2024-11-09	Completed	100.0%	Completed	
jik	2024-10-31	Completed	100.0%	Completed	

Figure 8 : Repository page of project

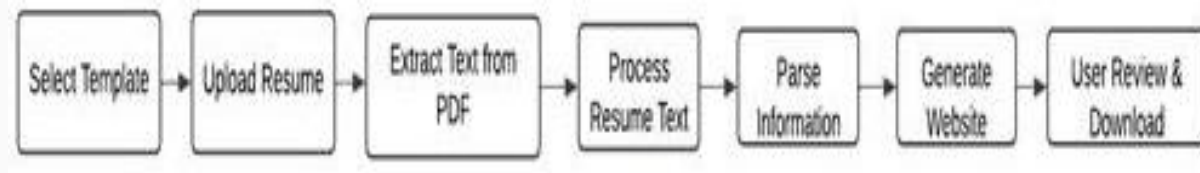


06

Implementation

The proposed system automates the conversion of traditional resumes into interactive portfolio websites by leveraging **Natural Language Processing (NLP)** and **PDF processing**. It uses **PyMuPDF** (fitz) for reading PDFs and **spaCy** for extracting structured data from resumes, minimizing manual **effort** while improving extraction accuracy. This web application enables freelancers to present a richer and more interactive profile through a well-organized portfolio, which is ideal for showcasing skills, experience, and projects.

Flow Diagram



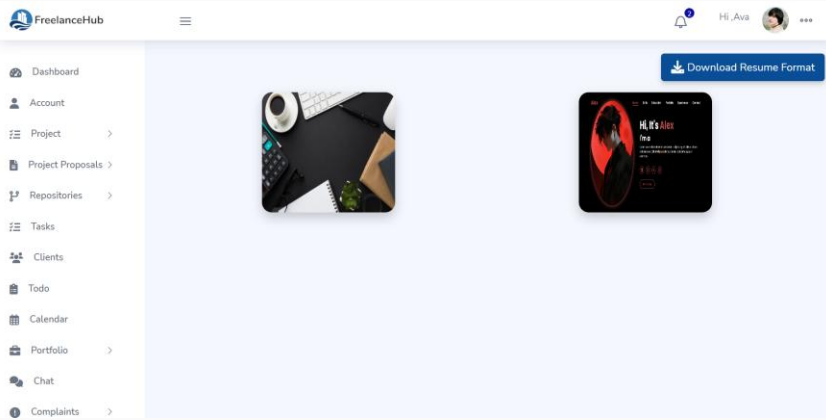


Figure 9 : templates page of portfolio

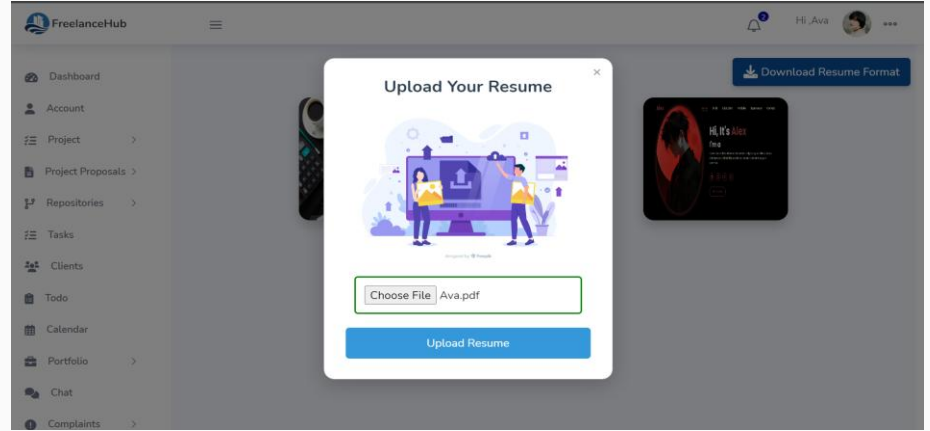


Figure 10 : User uploading resume

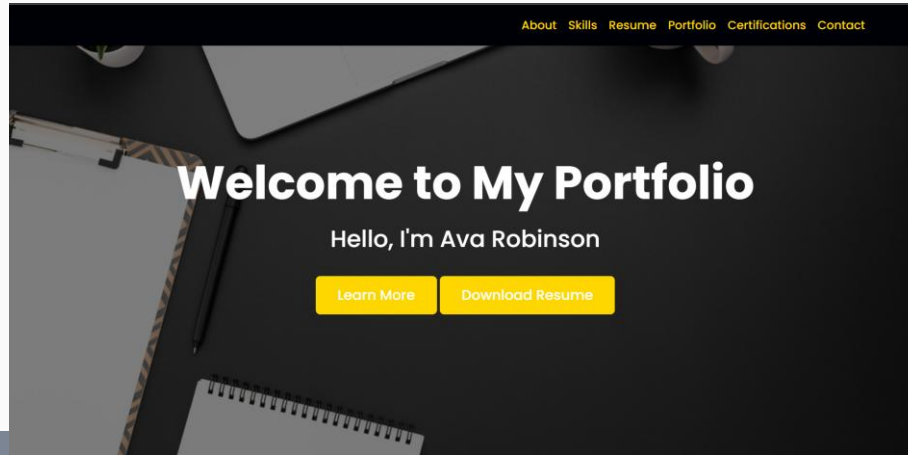




Figure 11 : Generated portfolio



07

Future Enhancements

- 
- Enhanced job visibility for clients to attract top talent.
 - Certification badges for freelancers to boost credibility.
 - Customized alerts for job postings tailored to user preferences.
 - AI-powered chatbot to assist users with common queries.
 - Freelancer team collaboration tools to enable seamless teamwork.
 - User training and resources through courses and webinars.
 - Recommendation system to match freelancers with suitable projects.
- 




08

Conclusion



Conclusion

FreelanceHub provides a streamlined platform for clients and freelancers, enhancing collaboration and project management. With user-friendly tools for job posting, proposal management, and communication, it supports successful project outcomes. FreelanceHub fosters a productive freelance community, driving impactful, professional connections and a seamless work experience for all users involved.



Thank You!!