

# Freelance Finder Application with MERN – Project Documentation

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## 1. Introduction

- Project Title: Freelance Finder Application
- Team Members: Thota Divya

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## 2. Project Overview

- Purpose: To build a secure and efficient platform that connects clients and freelancers for project-based work.
- Features: User registration and login, job posting, proposal submissions, messaging, milestone-based payments, admin moderation, review/rating system.

## 3. Architecture

- Frontend: Built using React.js with Tailwind CSS for responsive UI. Pages include Home, Dashboard, Job Details, Profile, and Chat.
- Backend: Developed using Node.js with Express.js to handle API routes, business logic, and validation.
- Database: MongoDB stores users, jobs, proposals, chats, and transaction history. Mongoose is used for schema modeling.

## 4. Setup Instructions

- Prerequisites: Node.js, MongoDB, Git, and .env configuration file.
- Installation:
  1. Clone the repository
  2. Run `npm install` in both client and server folders

3. Add environment variables in ``.env``

4. Use ``npm start`` to run both servers

## 5. Folder Structure

- Client:

- `/src/components`: Reusable UI components

- `/src/pages`: Route-based page components

- `/src/services`: API calls and auth handlers

- Server:

- `/routes`: Express routes for users, jobs, and chats

- `/controllers`: Logic handlers

- `/models`: Mongoose schemas

- `/middleware`: Auth and error handling

## 6. Running the Application

- Frontend: Navigate to ``/client``, run ``npm start``

- Backend: Navigate to ``/server``, run ``npm start``

## 7. API Documentation

- User Routes:

- POST `/api/register`: Register user

- POST `/api/login`: Authenticate user

- Job Routes:

- POST `/api/jobs`: Post a job (Client)

- GET `/api/jobs`: Fetch jobs (Freelancer)

- Proposal Routes:
  - POST /api/proposals: Submit proposal
  - GET /api/proposals/:jobId

- Message Routes:
  - POST /api/messages: Send message
  - GET /api/messages/:conversationId

## **8. Authentication**

- JWT-based authentication system.
- Users receive tokens on login, which are stored in localStorage.
- Protected routes are validated using middleware on backend.
- Role-based access for Clients, Freelancers, and Admins.

## **9. User Interface**

- Clean, responsive UI built with Tailwind CSS and React.js.
- Includes pages like Register/Login, Job Listings, Job Detail View, Proposal Form, Chat Window, and Profile Page.
- Interactive components and real-time chat notifications.

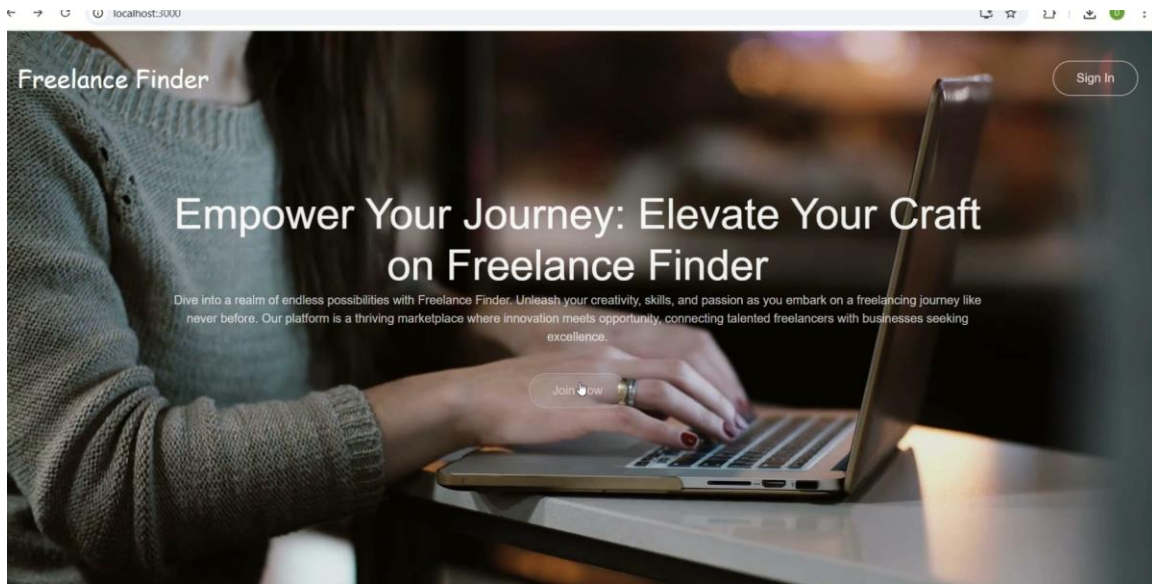
## **10. Testing**

- Manual testing for core flows (registration, job posting, messaging)
- Postman used for API endpoint validation
- Unit tests written using Jest (future expansion)

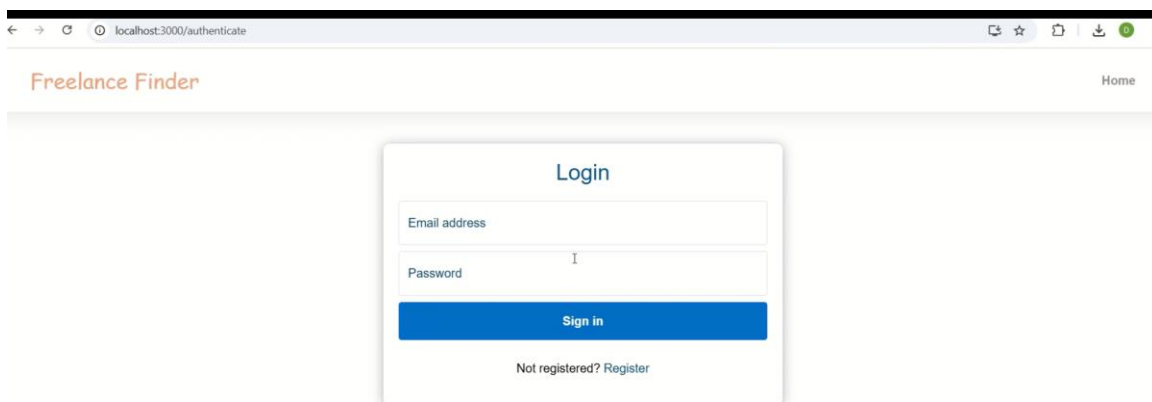
## **11. Screenshots or Demo**

- Screenshot of Home Page, Job Detail, Proposal Form, and Chat Interface.

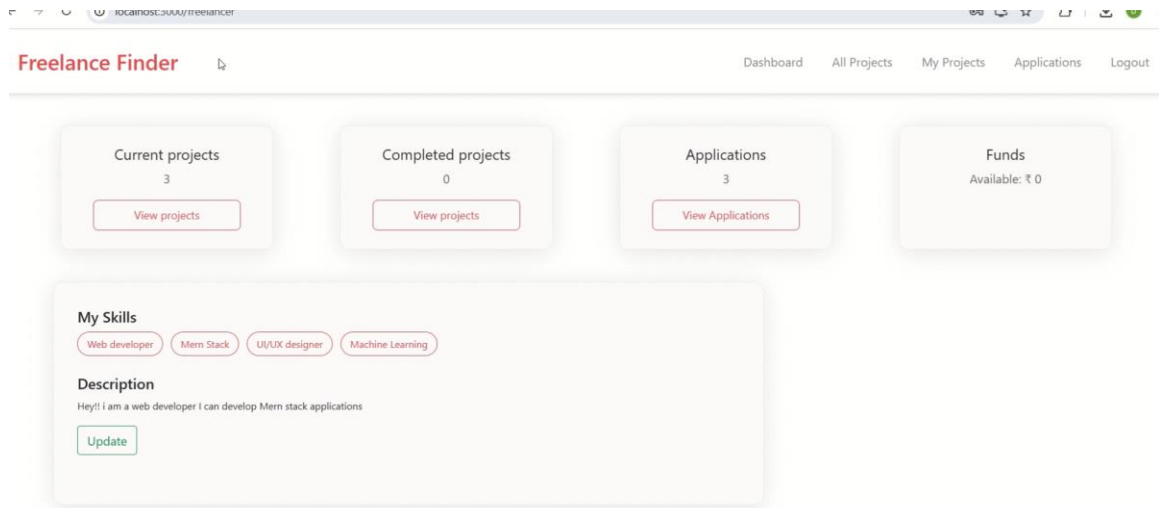
## Home Page:



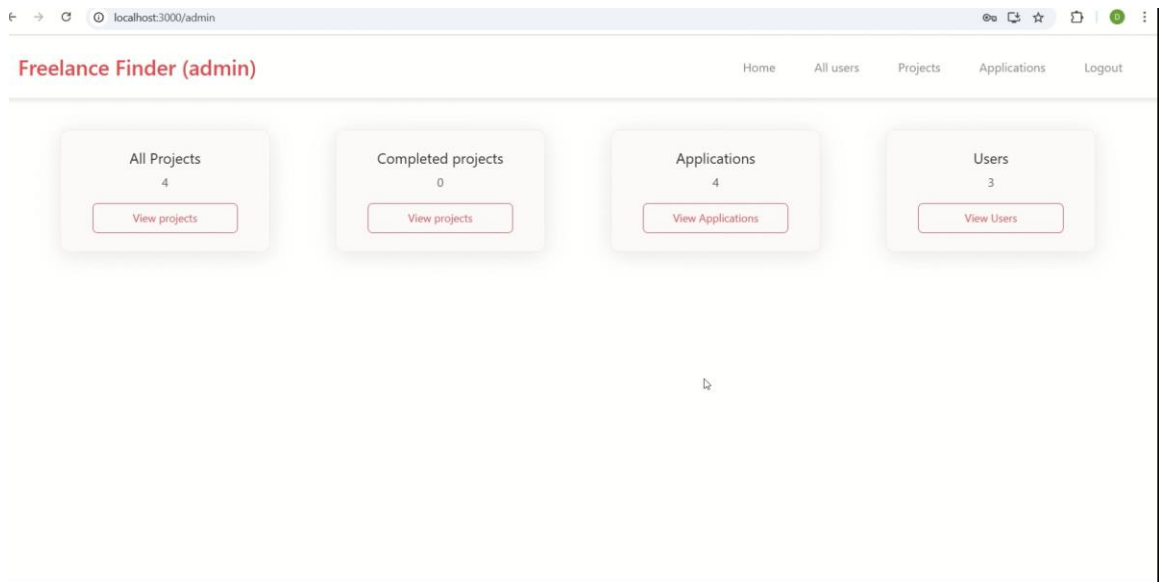
## Login Page:



## Freelancer Dashboard:



## Freelance Finder Admin page:



## Project Submission:

Freelance Finder

DashboardAll ProjectsMy ProjectsApplicationsLogout

house price prediction app

i want a house price prediction app

Required skills

MLPython

Budget

₹ 600

Submit the project

Project link

Manual link

Describe your work

Submit project

Chat with the client

Hi  
06-27 - 08:40:25

Hello  
06-27 - 08:52:01

Enter something...Send

## All Projects:

Freelance Finder

DashboardAll ProjectsMy ProjectsApplicationsLogout

Filters

Skills

☐mern

☒ML

☐Python

☐MERN Stack

☐web development

All projects

web application2

Fri Jun 27 2025 14:21:26

Budget ₹ 700

buspass verification system

mern

0 bids ₹ 0 (avg bid)

house price prediction app

Fri Jun 27 2025 14:03:07

Budget ₹ 600

i want a house price prediction app

MLPython

1 bids ₹ 600 (avg bid)

All Applications:

Freelance Finder

DashboardAll ProjectsMy ProjectsApplicationsLogout

My Applications

Skills

MLPython

Budget - ₹ 600

web application

Freelance Finder Application

Skills

web development

Budget - ₹ 20

web application

Freelance Finder Application

Skills

web development

Skills

Web developerMem StackUI/UX designer

Proposed Budget - ₹ 600

Status: Accepted

Proposal

i can develop your web application within 10 days and with stylish look

Skills

Web developerMem StackUI/UX designer

Proposed Budget - ₹ 19

Status: Accepted

Proposal

Skills

Web developerMem StackUI/UX designer

Proposed Budget - ₹ 19

My Projects:

Freelance Finder

DashboardAll ProjectsMy ProjectsApplicationsLogout

My projects

Choose project status

house price prediction app

Fri Jun 27 2025 14:03:07 GMT+0530 (India Standard Time)

Budget - ₹ 600

i want a house price prediction app

Status - Assigned

web application

Fri Jun 27 2025 13:41:13 GMT+0530 (India Standard Time)

Budget - ₹ 19

Freelance Finder Application

Status - Assigned

- Livedemo: <https://drive.google.com/file/d/1qhqcrfhy3tLJlSVwp0xTcMKTD2BrwRr/view?usp=sharing>

**GitHub link:**

<https://github.com/thotadivya28/freelance-finder>

## **12. Known Issues**

- Mobile responsiveness can be improved in chat module.
- Pagination not yet implemented in job listings.

## **13. Future Enhancements**

- Add support for mobile PWA
- Real-time notifications with WebSocket
- Freelancer skill endorsement system
- Admin analytics dashboard