

☐ FreelanceFinder: Discovering Opportunities, Unlocking Potential ☐

SHORT TERM INTERNSHIP PROGRAMME - By SmartBridge

Category : Full Stack Development

Team ID: LTVIP2025TMID55501

Team Size : 4

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1. Introduction

- **Project Title:** FreelanceFinder – Discovering Opportunities, Unlocking Potential

2. Project Overview

- **Purpose:**

FreelanceFinder is a web application that bridges the gap between freelancers and clients by allowing clients to post freelance projects and freelancers to find and apply for them. It fosters collaboration, boosts visibility, and creates job opportunities in a user-friendly way.
- **Features:**
 - User Authentication (JWT-based)
 - Client/Freelancer dashboards
 - Project posting and application system
 - Real-time updates and messaging
 - Admin control panel
 - Responsive design and modular UI

3. Architecture

- **Frontend:**
 - Built with React.js
 - React Router for navigation
 - Tailored components for dashboards, profile, project posting, messaging
- **Backend:**
 - Node.js with Express.js
 - REST APIs for authentication, posting, messaging, user management
- **Database:**
 - MongoDB via Mongoose
 - Schemas for users, projects, applications, messages

4. Setup Instructions

- **Prerequisites:**
 - Node.js & npm
 - MongoDB
- **Installation:**
 - Clone the GitHub repository
 - Install dependencies:

- `npm install` in `/client` and `/server`
- Create `.env` files:
 - MongoDB URI
 - JWT Secret

5. Folder Structure

- **Client:**
 - `/src`: Components, Pages, Services, Routes
 - `/assets`: Styles and media
- **Server:**
 - `/routes`: API endpoints
 - `/controllers`: Business logic
 - `/models`: MongoDB schemas

6. Running the Application

- **Frontend:**
`cd client && npm start`
- **Backend:**
`cd server && npm start`

7. API Documentation

- `POST /api/auth/register` – User Registration
- `POST /api/auth/login` – Login & get token
- `POST /api/projects` – Client posts a project
- `GET /api/projects` – List all projects
- `POST /api/apply/:projectId` – Freelancer applies
- `POST /api/message` – Send a message

8. Authentication

- JWT for secure login
- Tokens stored in `localStorage`
- Protected routes with middleware

9. User Interface

- Responsive layout for web and mobile
- Simple UI for freelancers and clients
- Functional dashboards and clean navigation
- Tailwind CSS for styling

10. Testing

- Manual testing
- Postman for API endpoint verification
- Console logging and error handling

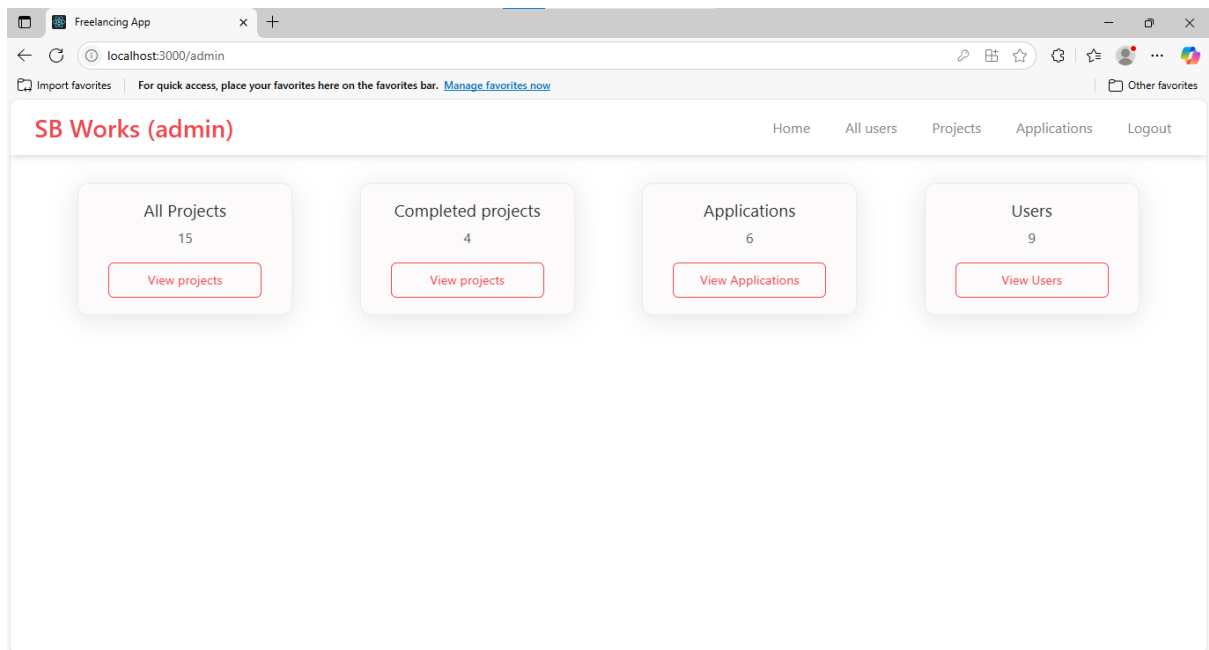
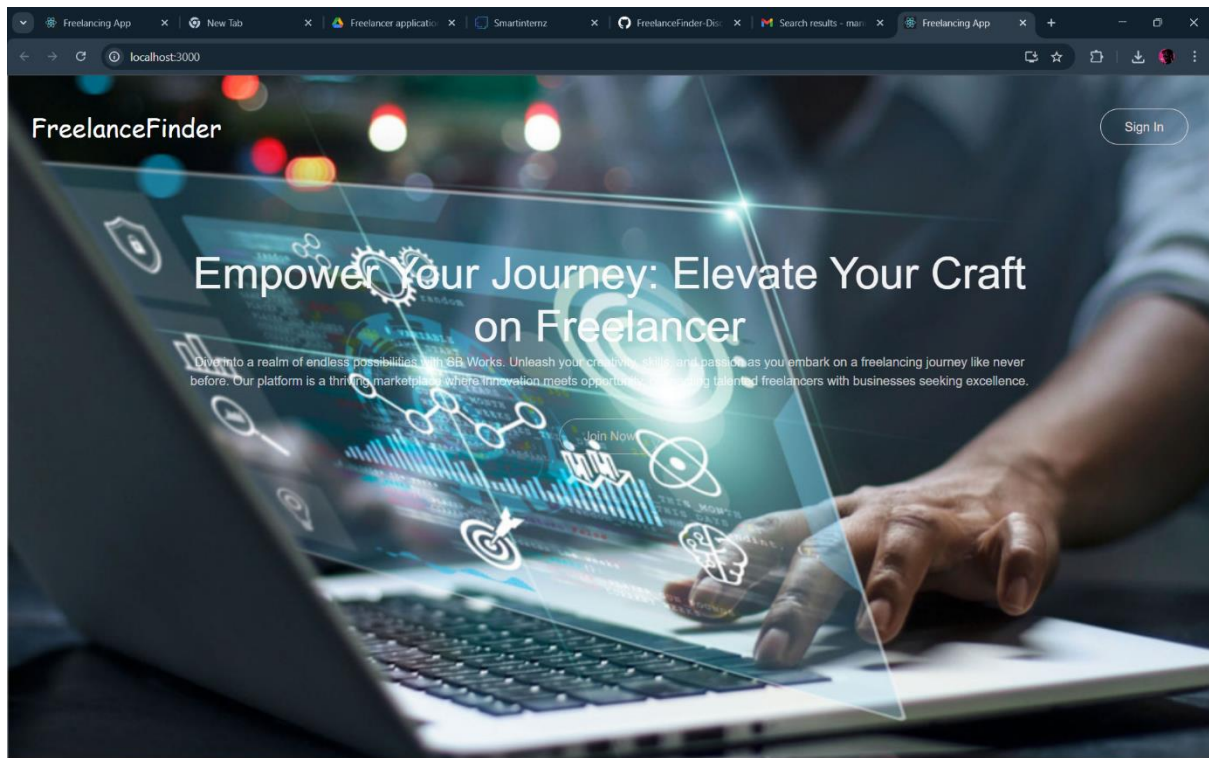
11. ☐ Technologies & Frameworks Used

- **React.js Documentation**
<https://react.dev/>
Official documentation for building the frontend UI of FreelanceFinder.
- **Node.js Documentation**
<https://nodejs.org/en/docs>
Server-side JavaScript runtime environment used for backend development.
- **Express.js Documentation**
<https://expressjs.com/>
Web framework for creating RESTful APIs and routing logic.
- **MongoDB Documentation**
<https://www.mongodb.com/docs/>
NoSQL database used for storing user, project, and application data.
- **Mongoose.js Documentation**
<https://mongoosejs.com/docs/>
ODM library for MongoDB used to define models and interact with the database.

12. Screenshots / Demo

The screenshot shows a web browser window with the title "Freelancing App" and the address bar displaying "localhost:3000/authenticate". The page header includes the "SB Works" logo and a "Home" link. The main content area features a "Register" form with the following fields: "Username", "Email address", "Password", and a "Select user type" dropdown menu. A blue "Sign up" button is positioned below the form. At the bottom of the form, there is a link that says "Already registered? [Login](#)".

The screenshot shows the same web browser window as above, but the form is titled "Login". It contains two input fields: "Email address" and "Password". Below these fields is a blue "Login" button. At the bottom of the form, there is a link that says "Don't have an account? [Register](#)".



Freelancing App

localhost:3000/admin-applications

Import favorites | For quick access, place your favorites here on the favorites bar. [Manage favorites now](#) | Other favorites

SB Works (admin)

HomeAll usersProjectsApplicationsLogout

All Applications

I want to complete my project
based on the project give discription here

Skills

python

Budget - ₹ 5000

Client: HARSHA

Client Id: 685a412bbcfec1b151c0f0aa

Client email: Harsha123@gmail.com

Proposal

Skills

pythonjavac.netangular

Proposed Budget - ₹ 6500

Freelancer: harsha

Freelancer Id: 685a4b1bbcfec1b151c0f115

Freelancer email: harshatadigadapa14@gmail.com

Status: **Accepted**

we can give any project title here
based on the title we can give discription

Skills

java

Budget - ₹ 500

Client: HARSHA

Proposal

Skills

pythonjavac.netangular

Proposed Budget - ₹ 490

Freelancer: harsha

Freelancer Id: 685a4b1bbcfec1b151c0f115

Freelancing App

localhost:3000/new-project

Import favorites | For quick access, place your favorites here on the favorites bar. [Manage favorites now](#) | Other favorites

SB Works

DashboardNew ProjectApplicationsLogout

Post new project

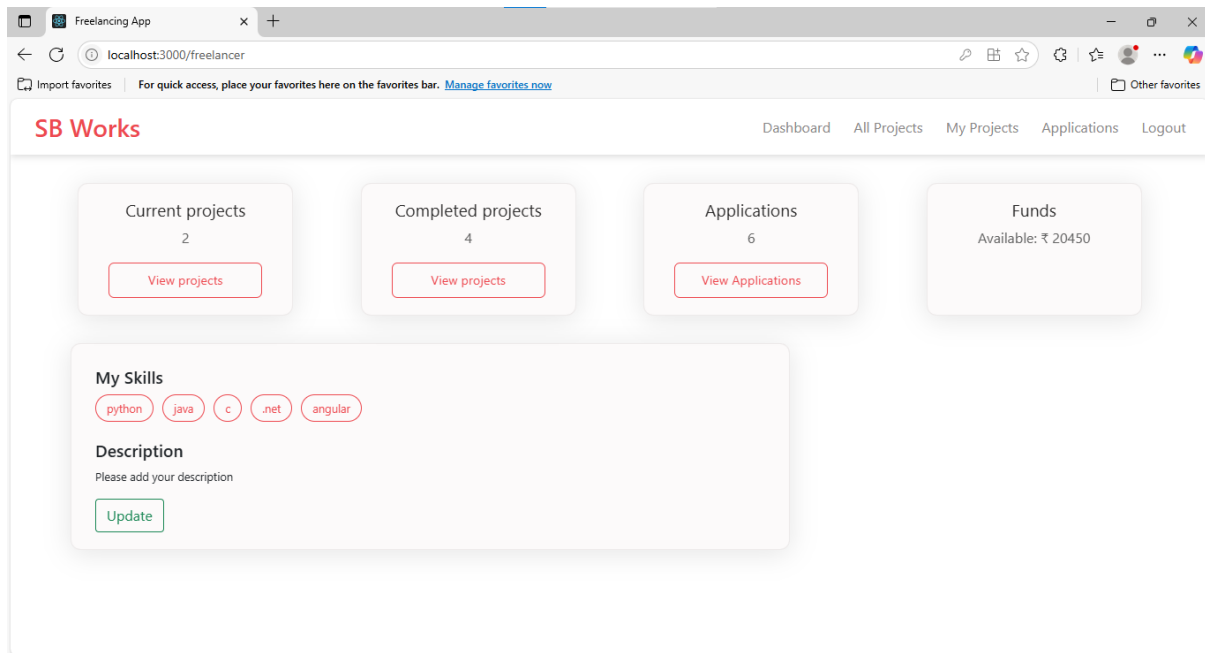
Project title

Description

Budget (in ₹)

Required skills (seperate each with ,)

Submit



- **Demo video link**

https://drive.google.com/drive/folders/1GYK6uMv5pfE_faOWAQJoAKWrCSg51YvB?usp=sharing

13. Known Issues

- UI improvements needed
- No real-time chat (currently basic messaging)
- Minimal form validations

14. Future Enhancements

- Real-time messaging with Socket.io
- Skill-based project recommendations
- Email notifications
- Enhanced Admin analytics dashboard

THANK YOU