SmartInternz

FreelanceFinder: Discovering Opportunities, Unlocking Potential

Category: Full Stack Development

Skills Required:

HTML,CSS,Javascript,Bootstrap,React.js,Node.js,Mongo DB

Project Description:

Welcome to SB Works, a revolutionary freelancing platform that transforms the way clients connect with skilled freelancers. Our intuitive interface provides clients with the opportunity to post diverse projects, ranging from creative endeavours to technical tasks, while freelancers can seamlessly bid on these projects based on their expertise and capabilities.

At SB Works, we prioritize efficiency and transparency in the freelancing process. Clients can review freelancer profiles, assess past work, and select the perfect candidate for their project. Once a freelancer is chosen, the client can easily communicate and collaborate with them within the platform, streamlining the entire workflow.

Our dedicated admin team ensures the integrity and security of every transaction. With stringent oversight, we guarantee the reliability and quality of the freelancers on our platform. The admin's role is not only to maintain the platform's integrity but also to facilitate smooth communication between clients and freelancers, ensuring a positive and productive working relationship.

Freelancers on SB Works benefit from a straightforward project submission process. After completing the assigned project, freelancers can submit their work directly through the platform, offering clients a hassle-free experience. Clients have the opportunity to review the work and provide feedback, fostering a collaborative environment that values excellence.

Stay informed about the latest projects and industry trends with real-time updates and notifications. SB Works aims to be the go-to platform for clients seeking reliable freelancers and freelancers looking for exciting opportunities to showcase their skills.

Join SB Works today and experience a new era of freelancing where your projects are efficiently managed, your skills are recognized, and collaborations flourish in a secure and dynamic environment.

Scenario based case-study

Sarah, a recent graduate with a degree in graphic design, is eager to showcase her skills and build a strong freelance portfolio. She stumbles upon SB Works while searching for online freelancing opportunities.

Finding the Perfect Project: Impressed by the user-friendly interface, Sarah browses through various project categories. She discovers a project posted by a local bakery, "Sugar Rush," seeking a logo redesign. The project description details the bakery's brand identity and target audience, giving Sarah a clear understanding of the client's needs.

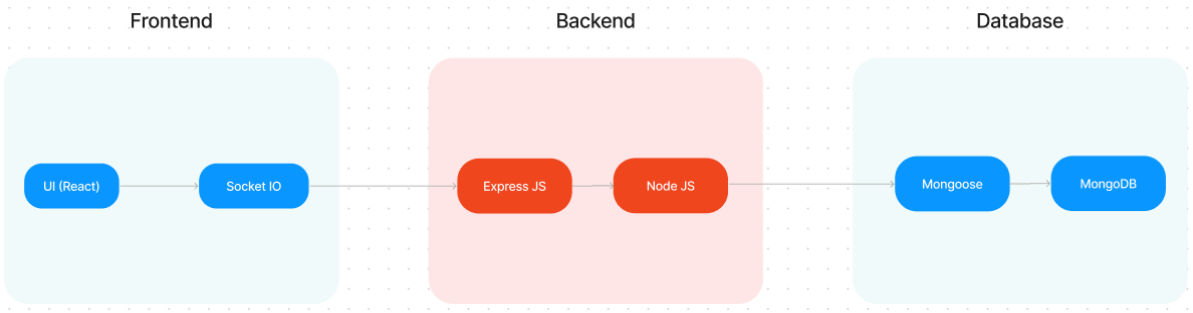
Bidding with Confidence: Confident in her design skills, Sarah dives into the project details. SB Works allows her to review the bakery's previous marketing materials, further solidifying her design approach. She submits a compelling proposal highlighting her relevant experience and attaching a few samples from her portfolio stored securely within the platform.

Communication & Collaboration: "Sugar Rush" selects Sarah's proposal based on her impressive portfolio and competitive pricing. SB Works facilitates seamless communication between Sarah and the bakery, allowing them to discuss project specifics and refine the design direction through an integrated chat system.

Delivery & Feedback: Once finalized, Sarah submits her logo design through the SB Works platform. "Sugar Rush" can review the design, provide feedback, and request minor revisions if needed. SB Works fosters a collaborative environment where both parties can work towards achieving the desired outcome.

Building a Thriving Career: Following a successful project completion and a glowing review from "Sugar Rush," Sarah's profile on SB Works gains traction. The positive experience encourages her to actively seek new projects on the platform. With a growing portfolio and strong client testimonials, Sarah is well on her way to establishing a thriving freelance career on SB Works.

TECHNICAL ARCHITECTURE



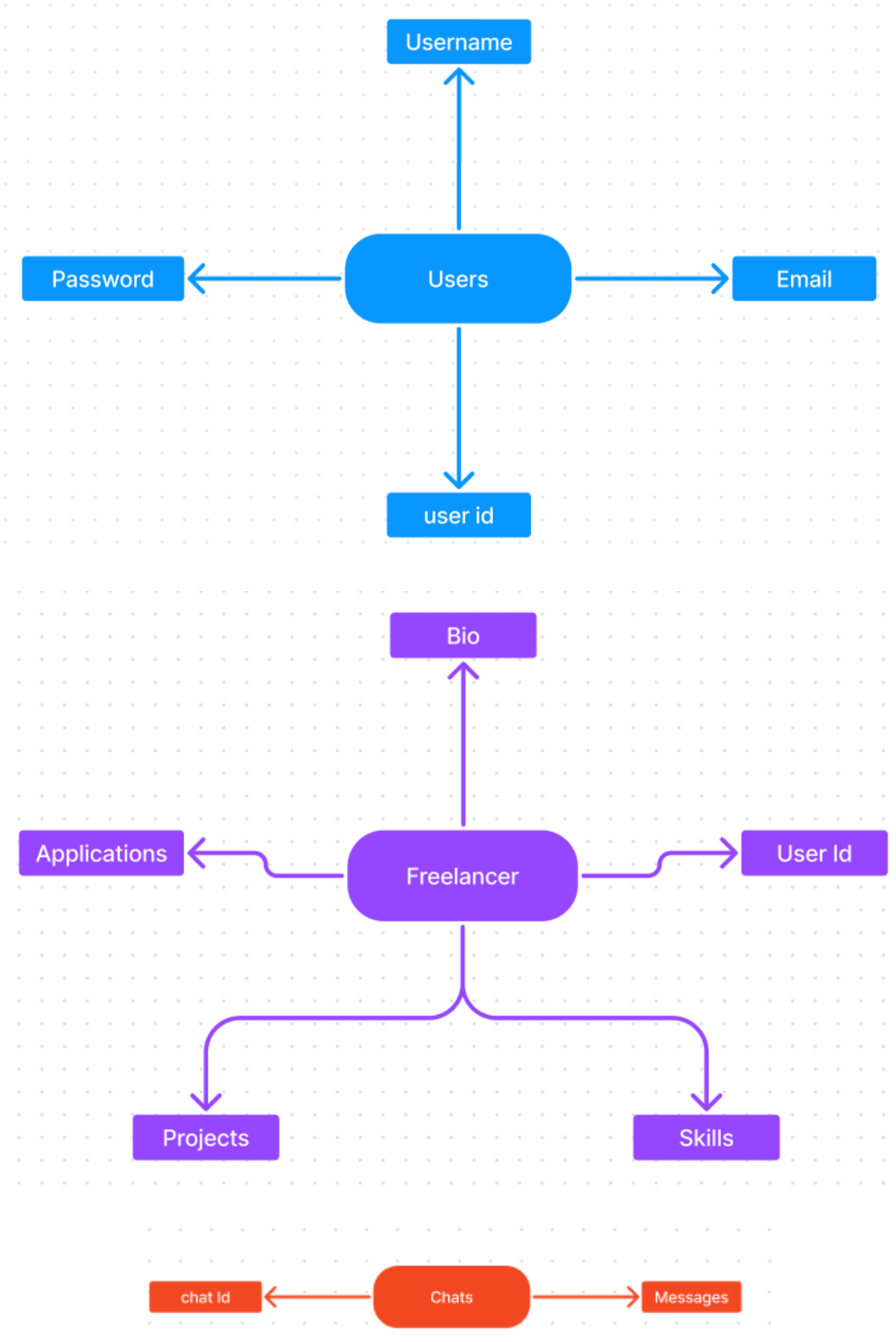
The technical architecture of SB Works follows a client-server model, where the frontend serves as the client and the backend acts as the server. The frontend encompasses the user interface, presentation, and integrates the Axios library to facilitate easy communication with the backend through RESTful APIs.

To enhance the user experience, the frontend leverages the Bootstrap and Material UI libraries, creating a real-time and visually appealing interface for users.

On the backend, we utilize the Express Js framework to manage server-side logic and communication. Express Js provides a robust foundation for handling requests and responses efficiently.

For data storage and retrieval, SB Works relies on MongoDB. MongoDB offers a scalable and efficient solution for storing various data, including user-contributed locations and images. This ensures quick and reliable access to the information needed to enrich the local tourism experience.

In conjunction, the frontend and backend components, complemented by Express Js, and MongoDB, together form a comprehensive technical architecture for SB Works. This architecture facilitates real-time communication, efficient data exchange, and seamless integration, ensuring a smooth and immersive experience for users contributing to and exploring their local surroundings.


Username
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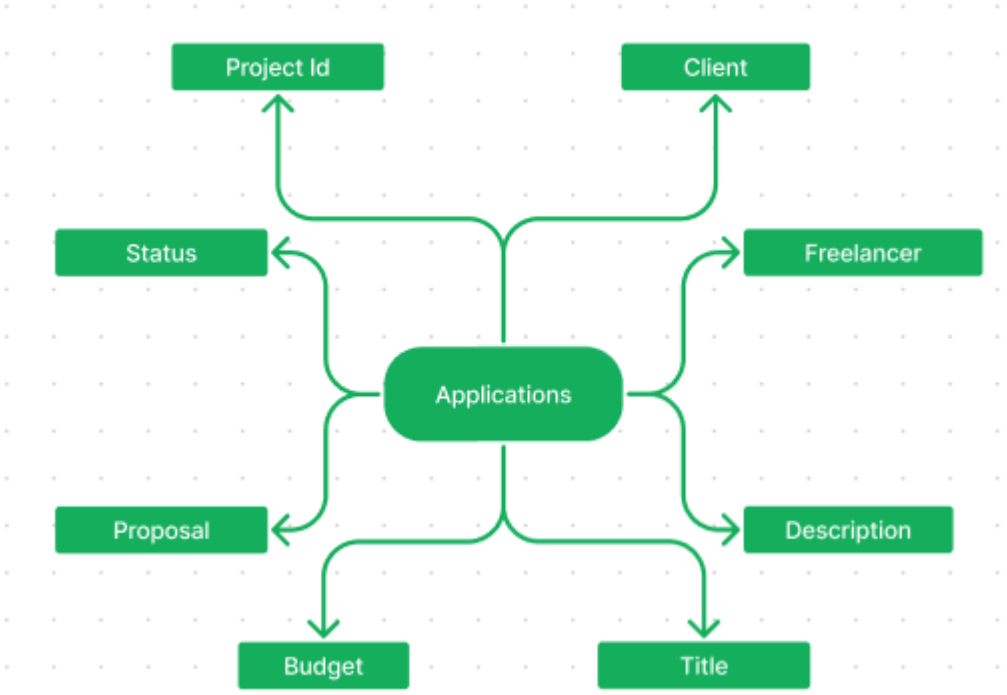
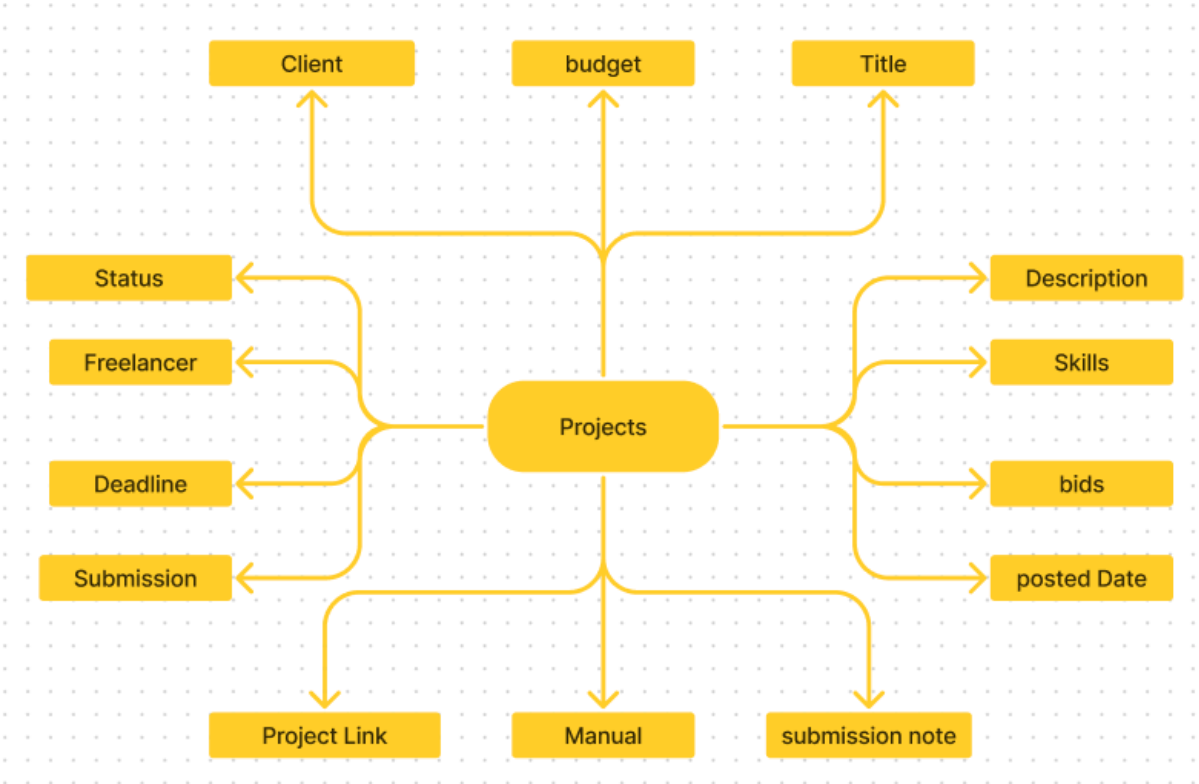
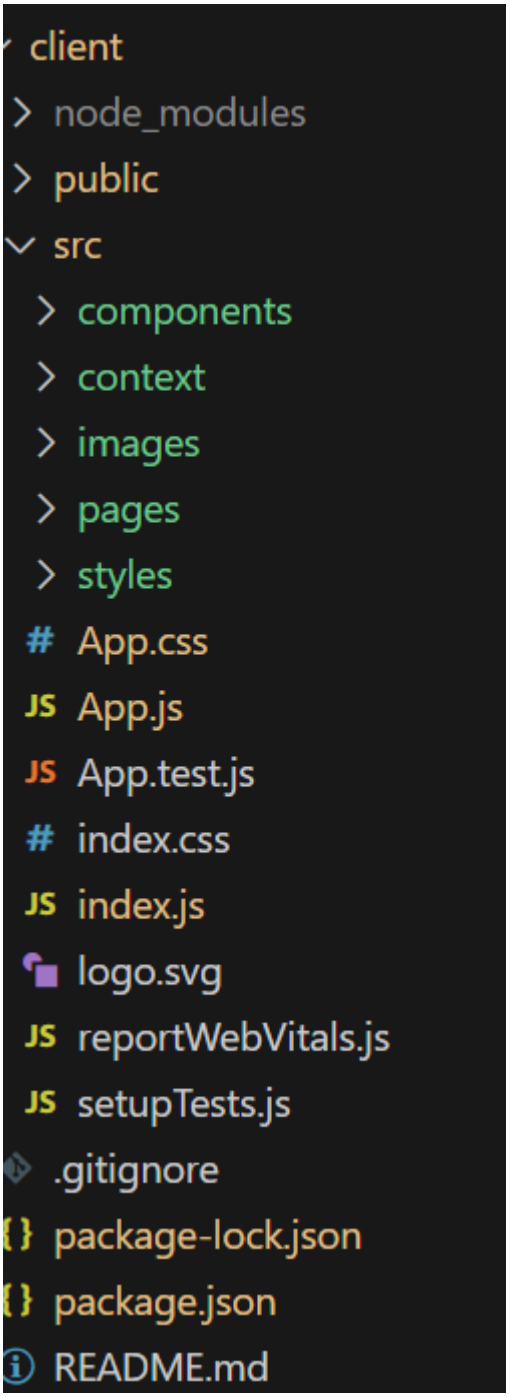
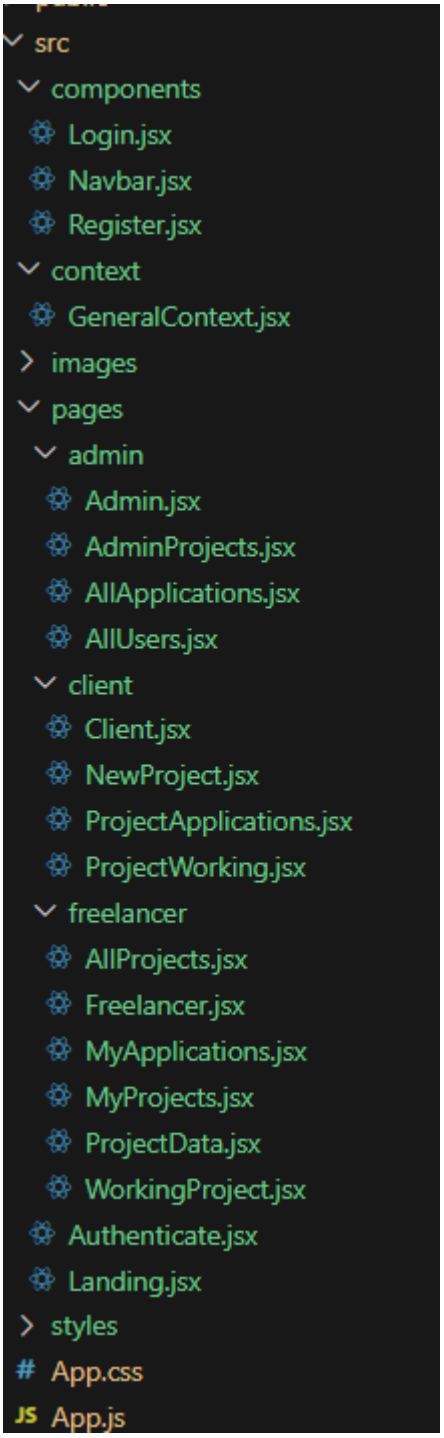


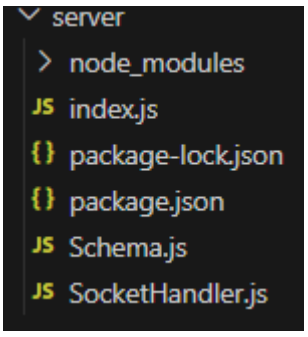


SB Works connects clients with skilled freelancers through a user-friendly platform. Clients can post projects with details and browse freelancer profiles to find the perfect match. Freelancers can submit proposals, collaborate with clients through secure chat, and securely submit work for review and payment.

An admin team ensures quality and communication, making SB Works a go-to platform for both clients and freelancers.




src
components
Login.jsx
Navbar.jsx
Register.jsx
context
GeneralContext.jsx
images
pages
admin
Admin.jsx
AdminProjects.jsx
AllApplications.jsx
AllUsers.jsx
client
Client.jsx
NewProject.jsx
ProjectApplications.jsx
ProjectWorking.jsx
freelancer
AllProjects.jsx
Freelancer.jsx
MyApplications.jsx
MyProjects.jsx
ProjectData.jsx
WorkingProject.jsx
Authenticate.jsx
Landing.jsx
styles
App.css
App.js


server
node_modules
index.js
package-lock.json
package.json
Schema.js
SocketHandler.js

SB Works leverages React.js for the user interface. The client-side code likely consists of reusable components for profiles, projects, and chat, assembled into pages like project browsing or freelancer profiles. Shared data like user info or search filters might be managed with React Context. On the server side, Node.js handles API requests for user management, project actions, and communication. Mongoose models ensure structured interaction with the MongoDB database. This breakdown provides a foundational understanding of SB Works' architecture.

Pre-requisites

Here are the key prerequisites for developing a full-stack application using Express Js, MongoDB, React.js:

?**Node.js and npm:**

Node.js is a powerful JavaScript runtime environment that allows you to run JavaScript code on the server-side. It provides a scalable and efficient platform for building network applications.

Install Node.js and npm on your development machine, as they are required to run JavaScript on the server-side.

Download: https://nodejs.org/en/download/

Installation instructions: https://nodejs.org/en/download/package-manager/

?**Express.js:**

Express.js is a fast and minimalist web application framework for Node.js. It simplifies the process of creating robust APIs and web applications, offering features like routing, middleware support, and modular architecture.

Install Express.js, a web application framework for Node.js, which handles server-side routing, middleware, and API development.

Installation: Open your command prompt or terminal and run the following command:

npm install express

?**MongoDB:**

MongoDB is a flexible and scalable NoSQL database that stores data in a JSON-like format. It provides high performance, horizontal scalability, and

seamless integration with Node.js, making it ideal for handling large amounts of structured and unstructured data.

Set up a MongoDB database to store your application's data.

Download: https://www.mongodb.com/try/download/community

Installation instructions: https://docs.mongodb.com/manual/installation/

?**React.js:**

React.js is a popular JavaScript library for building user interfaces. It enables developers to create interactive and reusable UI components, making it easier to build dynamic and responsive web applications.

Install React.js, a JavaScript library for building user interfaces.

Follow the installation guide: https://reactjs.org/docs/create-a-new-react-app.html

?**HTML, CSS, and JavaScript**: Basic knowledge of HTML for creating the structure of your app, CSS for styling, and JavaScript for client-side interactivity is essential.

?**Database Connectivity**: Use a MongoDB driver or an Object-Document Mapping (ODM) library like Mongoose to connect your Express Js server with the MongoDB database and perform CRUD (Create, Read, Update, Delete) operations

?**Front-end Framework**: Utilize React Js to build the user-facing part of the application, including entering booking room, status of the booking, and user interfaces for the admin dashboard. For making better UI we have also used some libraries like material UI and bootstrap.

?**Version Control**: Use Git for version control, enabling collaboration and tracking changes throughout the development process. Platforms like GitHub or Bitbucket can host your repository.

Git: Download and installation instructions can be found at: https://git-scm.com/downloads

?**Development Environment**: Choose a code editor or Integrated Development Environment (IDE) that suits your preferences, such as Visual Studio Code, Sublime Text, or WebStorm.

- Visual Studio Code: Download from https://code.visualstudio.com/download

To run the existing Freelancer App project downloaded from Drive:

Use the code:

Drive link: https://drive.google.com/drive/folders/10mSn2lMTaVMDWWFNjeJjiOLfmcD3-87C?usp=sharing

Install Dependencies:

- Navigate into the cloned repository directory:

cd freelancer-app-MERN

- Install the required dependencies by running the following commands:

cd client

npm install

../cd server

npm install

Start the Development Server:

- To start the development server, execute the following command:

npm start

- The SB Works app will be accessible at http://localhost:3000

Application flow

Freelancer Responsibilities:

- Project Submission: Freelancers are responsible for submitting completed and high-quality work for the assigned projects through the platform.
- Compliance: Ensure that the submitted work adheres to client requirements, industry standards, and any specific guidelines outlined by the platform.
- Effective Communication: Actively engage in communication with clients, promptly responding to messages, asking clarifying questions, and providing updates on the project progress.
- Time Management: Manage time effectively to meet project deadlines and deliver work in a timely manner.

- Professionalism: Conduct oneself professionally by maintaining a respectful and cooperative attitude with clients and fellow freelancers.
- Quality Assurance: Deliver work that is accurate, well-executed, and free from errors to maintain client satisfaction.

Client Responsibilities:

- Clear Project Description: Provide a detailed and comprehensive project description, including deliverables, desired outcomes, and any specific requirements.
- Timely Communication: Respond promptly to freelancer inquiries, providing necessary information and feedback in a timely manner.
- Payment Obligations: Fulfill the agreed-upon payment terms promptly and fairly upon satisfactory completion of the project.
- Feedback and Evaluation: Provide constructive feedback and evaluate the freelancer's performance, helping them improve and providing valuable insights.

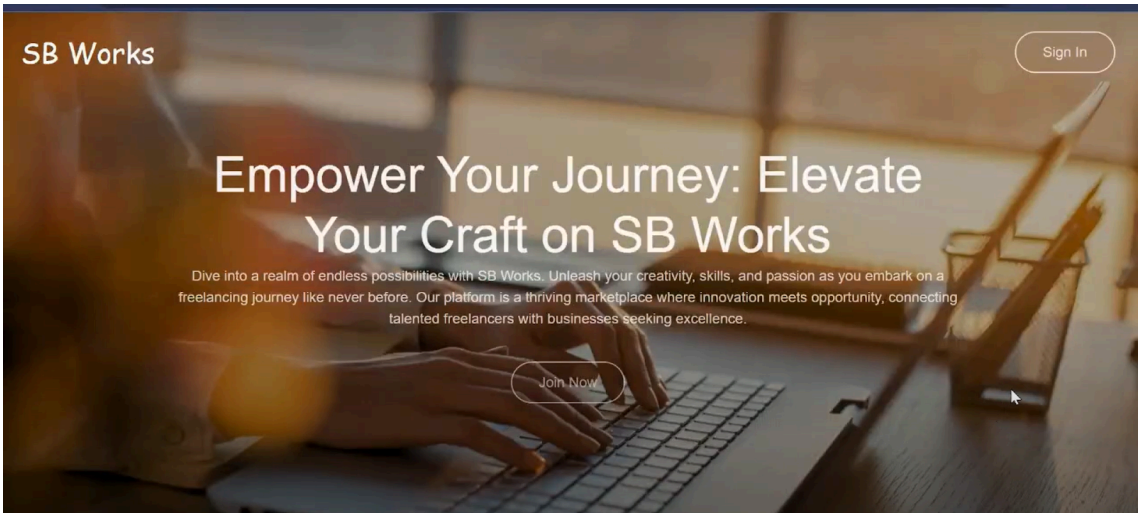
Admin Responsibilities:

- Data Oversight: As an admin, one of your key responsibilities is to monitor and ensure the integrity and security of all data on the platform
- Policy Enforcement: Admins play a crucial role in enforcing platform policies, guidelines, and ethical standards.
- Conflict Resolution: In the event of disputes or issues within the community, it is the admin's responsibility to address them promptly and impartially
- User Support and Communication: Admins should provide support and guidance to users on the platform
- Platform Maintenance and Improvement: Admins are responsible for the overall maintenance and improvement of the research platform

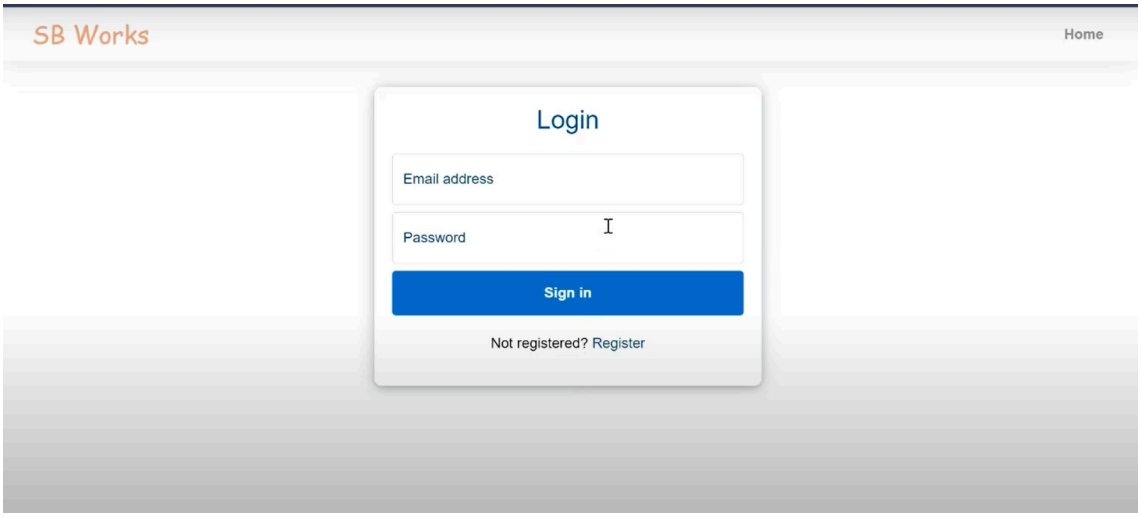
Project Implementation

On completing the development part, we then run the application one last time to verify all the functionalities and look for any bugs in it. The user interface of the application looks a bit like the images provided below.

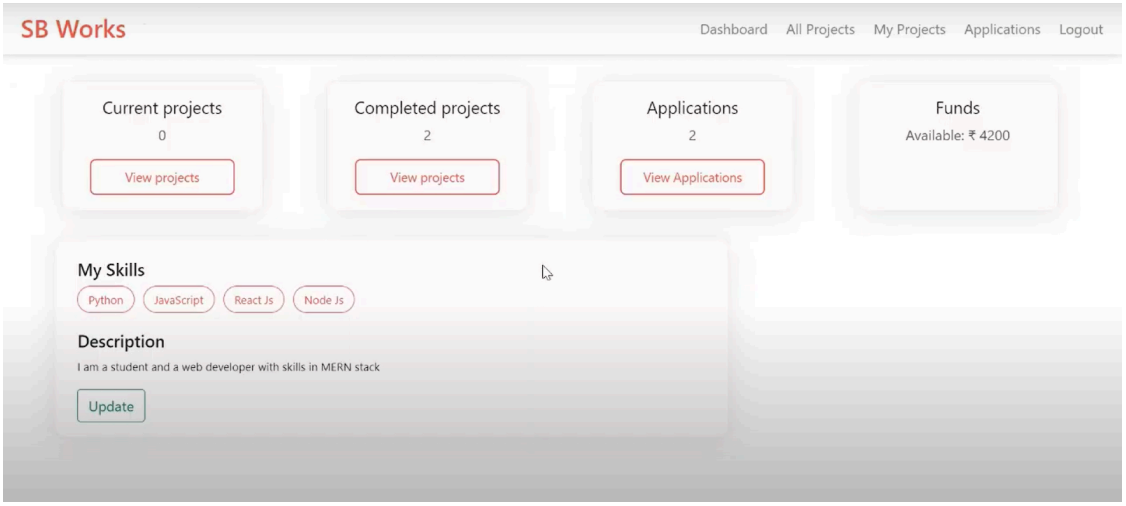
Landing page:



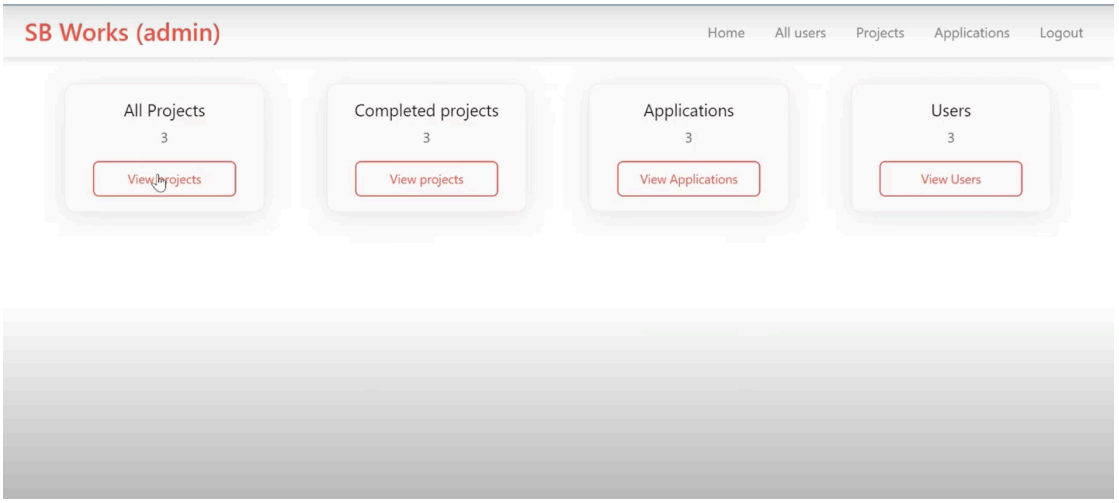
Authentication:



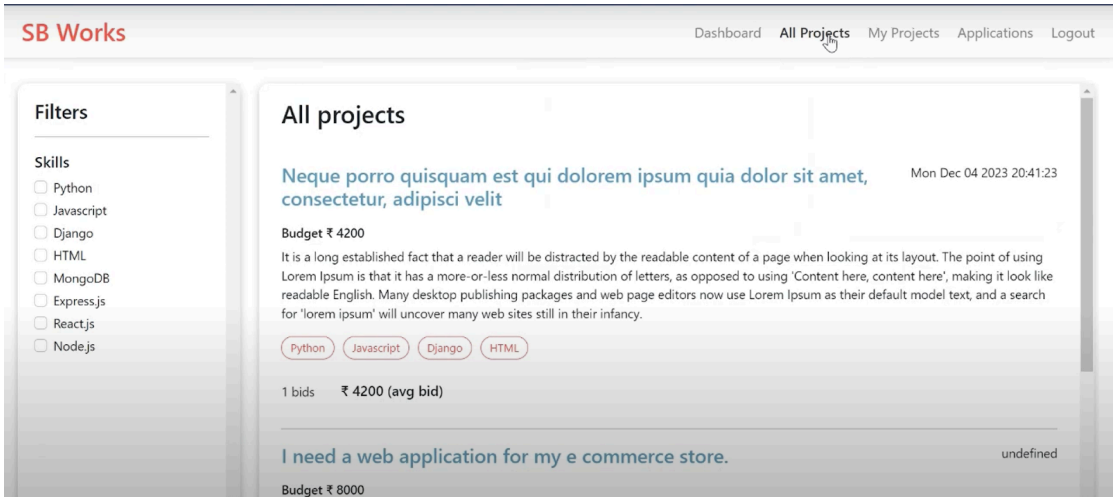
Freelancer dashboard:



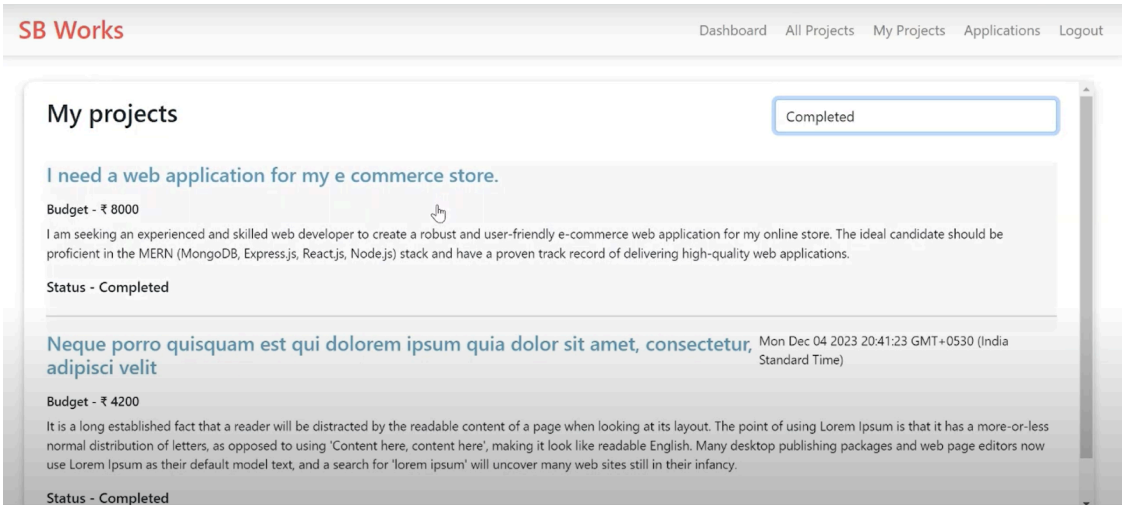
Admin dashboard:



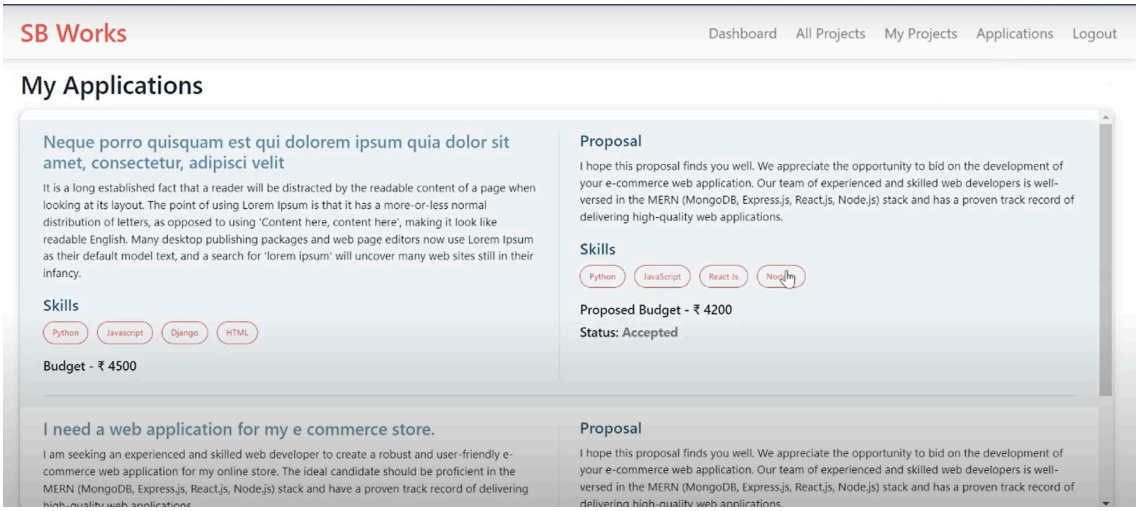
All projects:



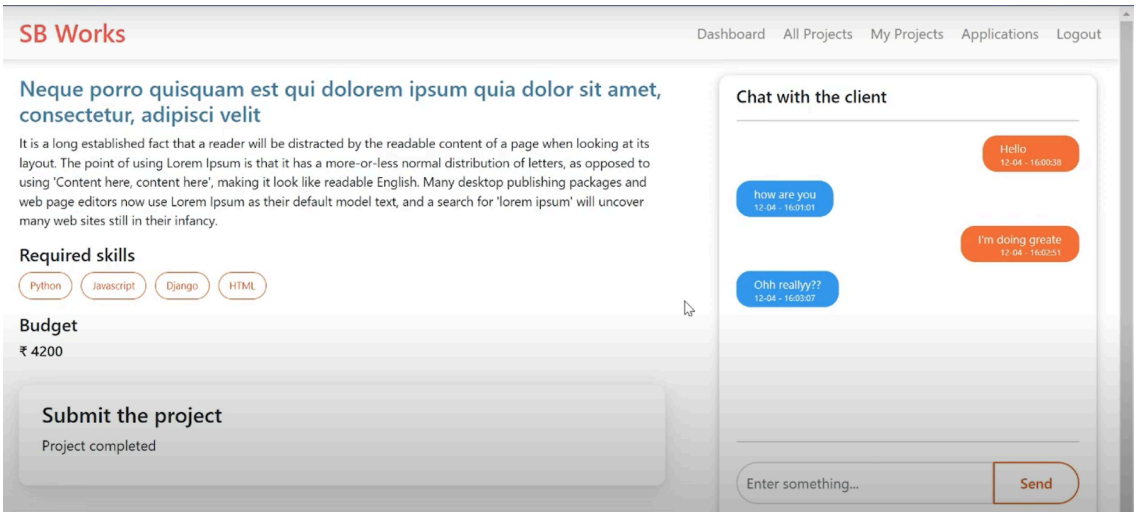
Freelance projects:



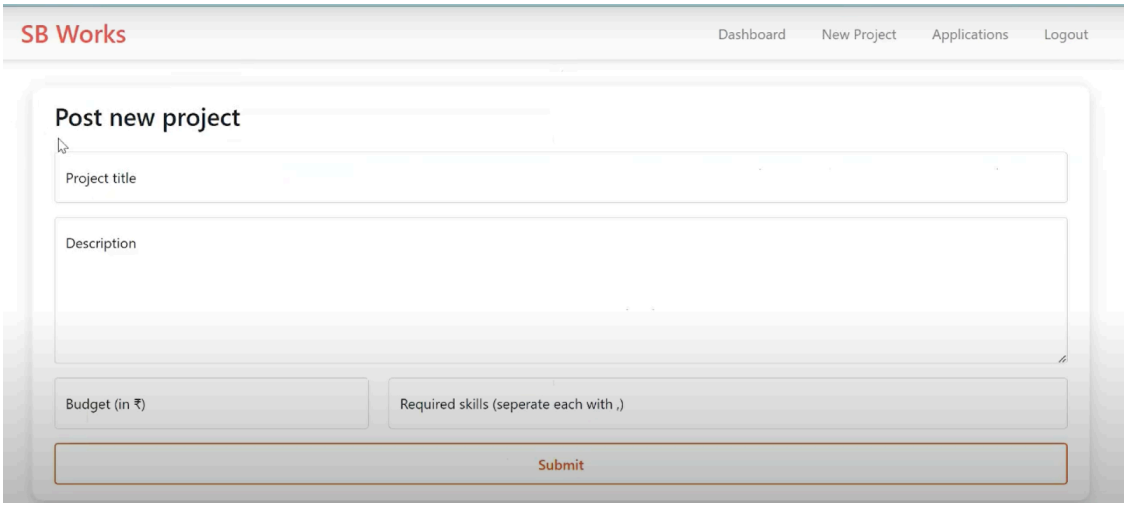
Applications:



Project page:



New project:



For any further doubts or help, please consider the code in the drive link given below,

https://drive.google.com/drive/folders/10mSn2lMTaVMDWWFNjeJjiOLfmcD3-87C?usp=sharing

The demo of the app is available at:

https://drive.google.com/file/d/1erdcudF8D00QyHEf0aMKioTAqWa2AjDb/view?usp=sharing