

# Final Report: FreelanceFinder

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## 1. INTRODUCTION

### 1.1 Project Overview

SB Works is a comprehensive freelancing platform designed to bridge the gap between clients and freelancers. It provides an intuitive and secure environment for project posting, bidding, collaboration, and feedback, aiming to revolutionize the freelancing experience with real-time communication and streamlined workflows.

### 1.2 Purpose

The purpose of SB Works is to simplify and enhance the freelancing process, allowing clients to connect with verified professionals and freelancers to build their careers by showcasing their skills through real projects.

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## 2. IDEATION PHASE

### 2.1 Problem Statement

Freelancers often struggle to find credible platforms with transparency, reliable clients, and meaningful feedback mechanisms. Similarly, clients face challenges in identifying skilled freelancers efficiently. SB Works addresses these pain points through a secure, user-friendly platform.

### 2.2 Empathy Map Canvas

**Users:** Freelancers and Clients

**Think & Feel:** Uncertain about reliability and quality

**See:** Multiple fragmented freelancing platforms

**Say & Do:** Seek feedback, apply to jobs, post gigs

**Hear:** Recommendations, ratings, testimonials

**Pain:** Lack of trust, poor communication

**Gain:** Verified users, streamlined workflow, feedback system

### 2.3 Brainstorming

- Intuitive interface for job posting and bidding
- Integrated chat for direct client-freelancer interaction

- Admin oversight for quality control
  - Real-time notifications and updates
  - Portfolio and feedback mechanisms for freelancers
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## 3. REQUIREMENT ANALYSIS

### 3.1 Customer Journey Map

#### **Freelancer:**

Discover platform → Register → Browse projects → Bid → Work on project → Submit → Get reviewed → Build portfolio

#### **Client:**

Post project → Review bids → Select freelancer → Collaborate → Review submission → Provide feedback

### 3.2 Solution Requirement

- User authentication
- Project management system
- Bid and proposal handling
- Real-time chat system
- Admin moderation
- Secure submission and feedback features

### 3.3 Data Flow Diagram

(Level 1 DFD – summarized description)

- **Users** interact with the **Frontend Interface**
- Frontend sends requests via **Axios** to the **Express.js Backend**
- Backend communicates with **MongoDB** for storing/retrieving data
- **Admin** manages the platform for quality and dispute resolution

### 3.4 Technology Stack

- **Frontend:** React JS, Bootstrap, Material UI, Axios
  - **Backend:** Node.js, Express.js
  - **Database:** MongoDB
  - **Other Tools:** RESTful APIs, JWT for authentication
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## 4. PROJECT DESIGN

### 4.1 Problem Solution Fit

SB Works directly addresses the core issues faced in freelancing by offering secure communication, transparent reviews, and efficient project handling—all in one platform.

### 4.2 Proposed Solution

A platform where freelancers can showcase their expertise and bid on suitable projects while clients can find and hire trusted professionals quickly. The system includes proposal submissions, live communication, secure transactions, and verified reviews.

### 4.3 Solution Architecture

#### Client-Server Model

- Frontend (React + UI Libraries) communicates with Backend (Express.js)
  - Backend handles logic and interactions with MongoDB
  - RESTful APIs ensure smooth data exchange
  - Real-time updates and chat system for collaboration
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## 5. PROJECT PLANNING & SCHEDULING

### 5.1 Project Planning

Phase	Duration	Activities
Ideation & Research	1 week	Brainstorming, requirement analysis
Design	1 week	UI/UX, architecture planning
Development	2 weeks	Frontend, Backend, Database integration
Testing	1 week	Functional & performance tests
Deployment	1 week	Final review and launch

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## 6. FUNCTIONAL AND PERFORMANCE TESTING

### 6.1 Performance Testing

- **Load Testing:** Tested concurrent users bidding and submitting proposals
- **Speed Testing:** API response time within acceptable limits
- **Security Testing:** Verified secure login, access control, and admin roles

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## 7. RESULTS

### 7.1 Output Screenshots

*(Insert screenshots of the SB Works UI: dashboard, project listing, proposal form, chat interface, etc.)*

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## 8. ADVANTAGES & DISADVANTAGES

### Advantages:

- Transparent and secure freelancing environment
- Real-time communication and notifications
- Admin moderation for improved quality control
- Integrated project submission and feedback system

### Disadvantages:

- Initial platform trust-building takes time
  - Dependency on internet for communication and submissions
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## 9. CONCLUSION

SB Works redefines freelancing by offering a seamless experience for both clients and freelancers. With features tailored for reliability, efficiency, and growth, it paves the way for building lasting professional connections in a secure digital space.

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## 10. FUTURE SCOPE

- Integration of payment gateway for end-to-end transactions
- AI-based project-freelancer matching
- Mobile app for broader access
- Advanced analytics dashboard for user insights
- Multi-language support