Project Documentation
A5B news

1. Introduction

- **Project Title:** InsightStream: Navigate The News Landscape.

- **Team ID** :   NM2025TMID40261

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2. Project Overview

- **Purpose:** SB Works connects clients and freelancers through project postings, bidding, and real-time communication.

- **Features:**

  – Project posting and bidding
  – Secure chat system
  – Feedback and review system
  – Admin control panel

3. Architecture

- **Frontend:** React.js with Bootstrap and Material UI

- **Backend:** Node.js and Express.js managing server logic and API endpoints

- **Database:** MongoDB stores user data, project information, applications, and chat messages

4. Setup Instructions

- **Prerequisites:**

  – Node.js
  – MongoDB

– Git

– React.js

– Express.js – Mongoose – Visual Studio Code

- **Installation Steps:**

  # Clone the repository git clone

  # Install client dependencies cd
  client npm install
  # Install server dependencies cd
  ../server npm install

5. Folder Structure

```
SB-Works/
|-- client/                # React frontend
    |__components/
     L__ pages/
|__ server/                # Node.js backend
    |__routes/
      |__ models/
        |__ controllers/
```

6. Running the Application

- **Frontend:**

  cd   client

npm start•
Backend:

  cd server npm
  start

- **Access:** Visit http://localhost:3000

7. API Documentation

- **User:**

  –   /api/user/register

  –   /api/user/login

- **Projects:**

- /api/projects/create
- /api/projects/:id • **Applications:** /api/apply

- **Chats:**
  - /api/chat/send
  - /api/chat/:userId

8. Authentication

- JWT-based authentication for secure login

- Middleware protects private routes

9. User Interface

- Landing Page

- Freelancer Dashboard

- Admin Panel

- Project Details Page

10. Testing

- Manual testing during milestones

- Tools: Postman, Chrome Dev Tools

11. Screenshots or Demo

12. Known Issues

13. Future Enhancements