Project Documentation

InsightStream: Navigate The News Landscape

# Introduction

* + Project Title: InsightStream: Navigate The News Landscape
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# 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

# Architecture

* **Frontend:** React.js with Boot strap 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

# 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

# Folder Structure

SB-Works/

|--client/ #React frontend

|components/L

pages/

| server/ #Node.js backend

|routes/

| models/

| controllers

# Running the Application

**Frontend:** cd client npm start

## Backend:

cd server npm start

**Access:** Visit[http://localhost:3000](http://localhost:3000/)

# API Documentation

## User:

* + /api/user/register
  + /api/user/login

## Projects:

* /api/projects/create
* /api/projects/:id
* **Chats**
* /api/chat/send

**/api/chat/:userId**

# Authentication

* JWT-based authentication for secure login
* Middle ware protects private routes

# User Interface

* Landing Page
* Freelancer Dashboard
* Admin Panel
* Project Details Page

# Testing

* Manual testing during milestones
* Tools: Postman, Chrome Dev Tools