## PROJECT DOCUMENTATION Project Title: InsightStream: Navigate the News Landscape

1. Introduction

## • project title: InsightStream: Navigate the News Landscape

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4. **Project Overview**

**Purpose:**

This project aims to provide users with a clean and interactive interface to browse, filter, and read news articles. The goal is to make news consumption more structured by using categories, tags, and personalized recommendations.

**Features:**

* Personalized news feed based on interests
* Categorized news (Politics, Technology, Health, Sports, etc.)
* Real-time news updates and trending highlights
* Search and filter system for easy navigation
* Sentiment analysis & fact-check indicators
* Save and bookmark articles for later reading
* Interactive dashboard with visual insights

1. **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:**

Prerequisites

Before setting up the project, ensure the following tools are installed on your system:

Node.js (v16 or later)

MongoDB (local or MongoDB Atlas for cloud database)

Git (for cloning repository)

React.js (comes with create-react-app)

Express.js & Mongoose (installed via npm)

Visual Studio Code (or any IDE of choice)

**• Installation Steps**

* Clone the repository git clone
* # Install client dependencies cd client npm install
* # Install server dependencies cd ../server npm install

**5**.**Folder Structure**

InsightStream/

│-- client/ # React frontend

│ │-- components/

│ │-- pages/

│ │-- assets/

│

│-- server/ # Node.js backend

│ │-- routes/

│ │-- models/

│ │-- controllers/

│ │-- middleware/

│

│-- docs/ # Documentation

**6. Run the Application**

Frontend (React App):

cd client

npm start

**7. User Interface**

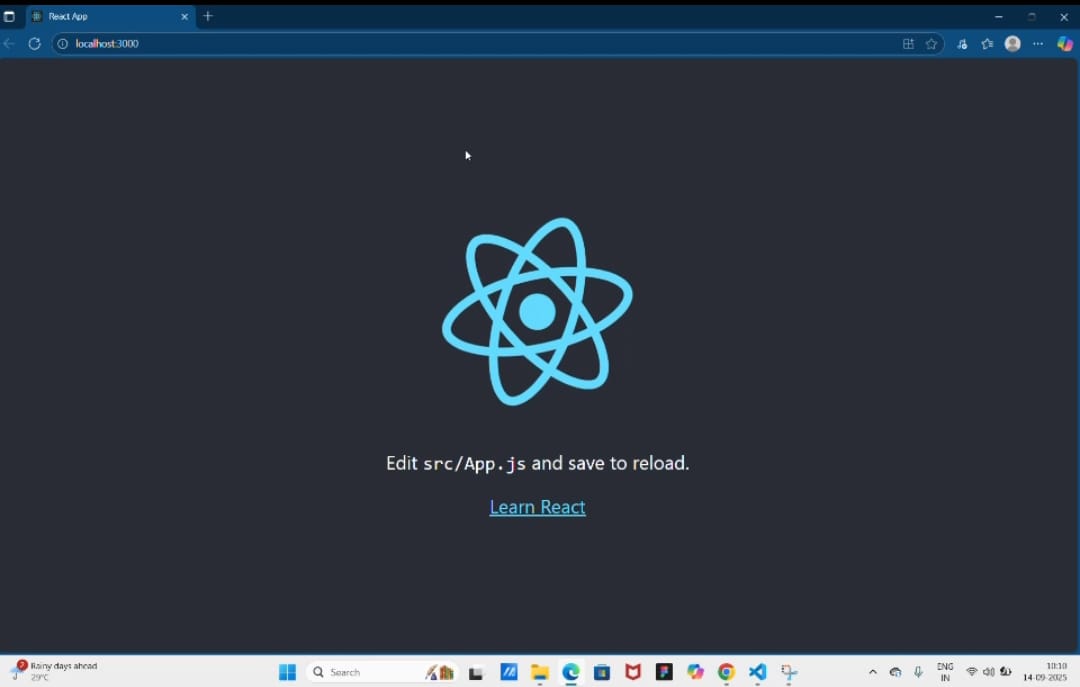
* **Home page**
* **News Feed -** / news
* **Projects -** / projects
* **Applications -** / applications
* **Chat** - / chat
* **Profile** - / user / profile

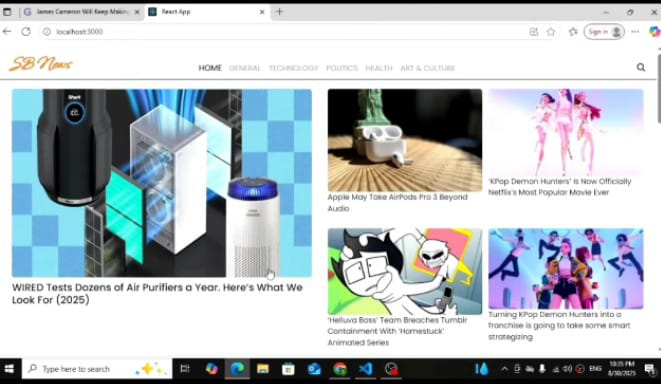
**8. Testing**

**Frontend Testing:**

* **Manual user testing (Click, Navigate, Open detail view)**

**9. SCREENSHOT**



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