

Project Documentation

INSIGHT STREAM : Navigate The News Landscape

1. Introduction

- **Project Title:** Navigate The News Landscape
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2. Project Overview

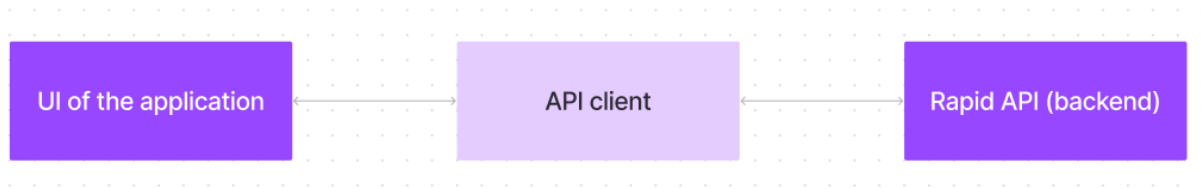
- **Purpose:** The purpose of the "Navigate the News Landscape" project documentation is to provide a comprehensive guide for understanding and navigating the complex news landscape. This project, available on GitHub, seems to be focused on developing a platform that allows users to explore news across various categories.

Features of Insight Stream:

- **News from API Sources:** Access a vast library of global news spanning various categories and interests, ensuring a well-rounded coverage of current affairs.
- **Visual News Exploration:** Discover breaking stories and explore different news categories through curated image galleries, enhancing the visual appeal of news discovery.
- **Intuitive Design:** Navigate the application seamlessly with a clean, modern interface designed for optimal user experience and clarity in information presentation.
- **Advanced Search Feature:** Easily access news articles on specific topics through a powerful search feature, providing users with tailored news content based on their interests.

3. Architecture

Technical Architecture:



The user experience starts with the Insight Stream web application's UI, likely built with a framework like React or Vue.js for a smooth, single-page experience. This UI interacts with an API client specifically designed for Insight Stream. This client handles communication with the backend, but with a twist: it leverages Rapid API, a platform providing access to various external APIs. This suggests Insight Stream might integrate external data feeds or functionalities through Rapid API, enriching the user experience without building everything from scratch.

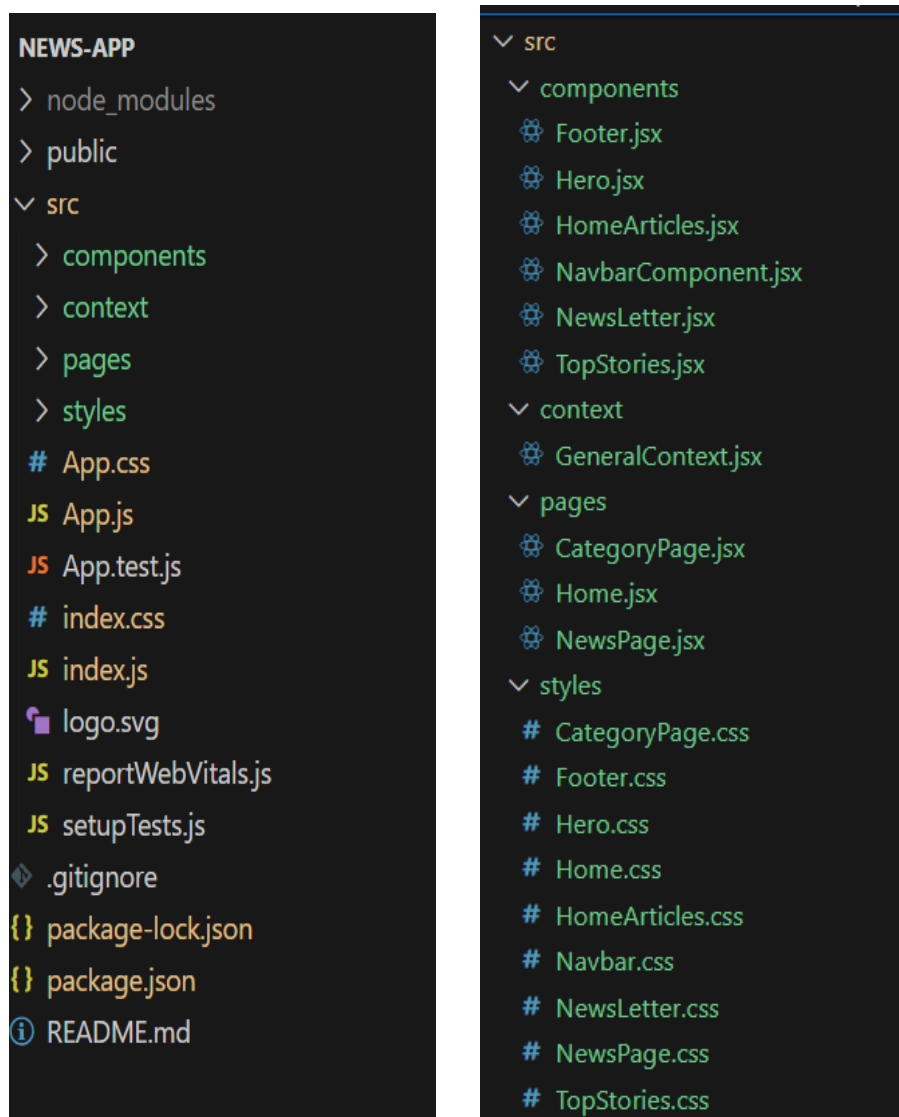
4. Setup Instructions

Project setup and configuration:

- **Installation of required tools:**
 1. Open the project folder to install necessary toolsIn this project, we use:
 - React Js
 - React Router Dom
 - React Icons
 - Bootstrap/tailwind css
 - Axios

5. Folder Structure

Project structure:



In this project, we've split the files into 4 major folders, *Components*, *Context*, *Pages* and *Styles*. In the pages folder, we store the files that acts as pages at different URLs in the application. The components folder stores all the files, that returns the small components in the application. The context Api will be coded in the context folder. All the styling css files will be stored in the styles folder.

6. Running the Application

**To clone and run the Application project from GitHub:
Follow below steps**

- **Install Dependencies:**
Navigate into the cloned repository directory and install libraries:
`cd news`
`npm install`
- **Start the Development Server:**
To start the development server, execute the following command:
`npm start`

- **Access the App:** Open your web browser and navigate to <http://localhost:3000>. You have successfully installed and set up the application on your local machine. You can now proceed with further customization, development, and testing as needed.

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

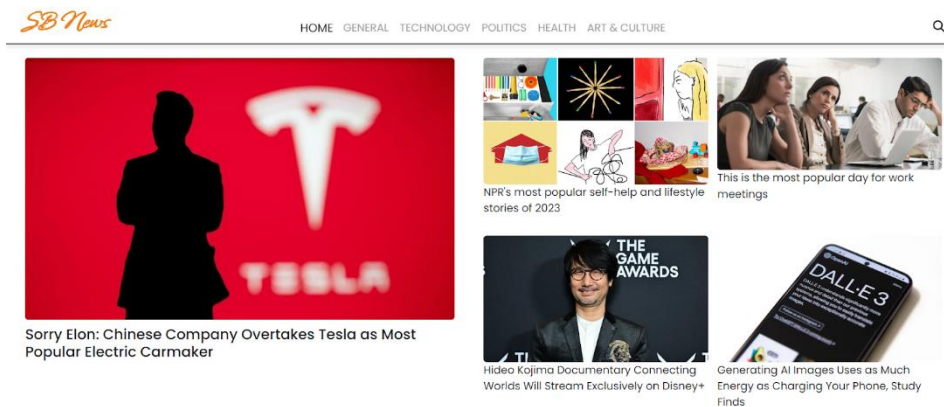
10. Testing

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

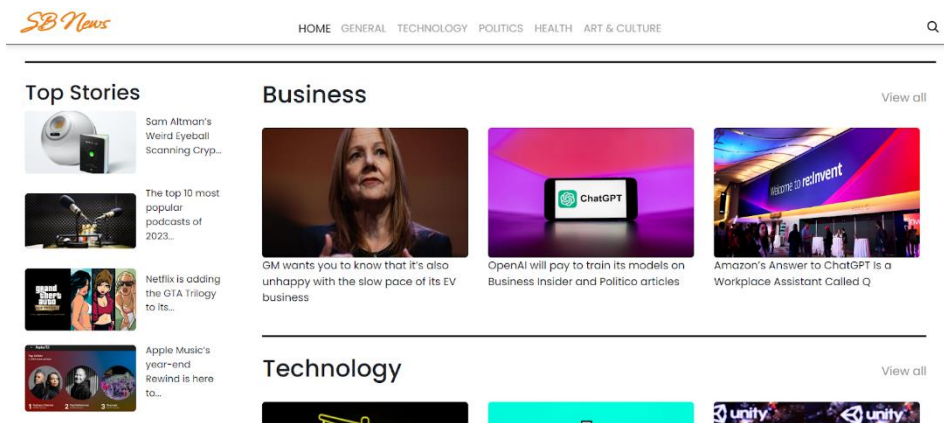
11. Screenshots or Demo

Project Implementation & Execution:

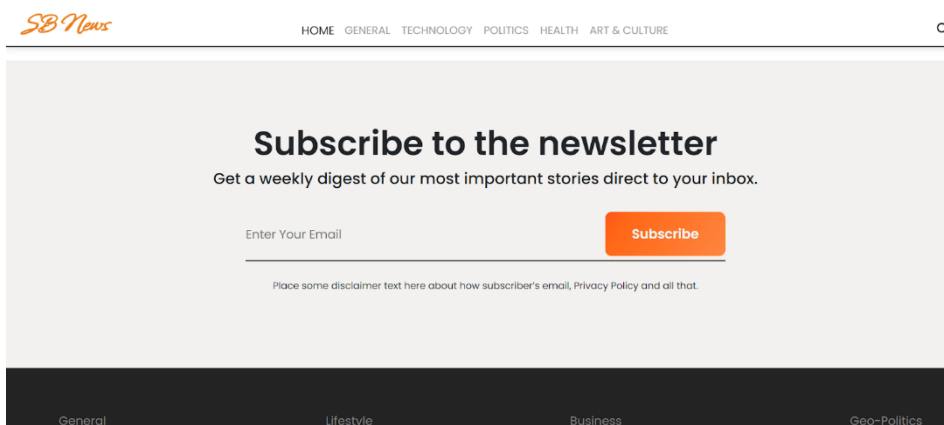
• Hero components



• Popular categories



• Newsletter



• Category/Search result page

politics



Aleksandar Vucic: The man who remade Serbia



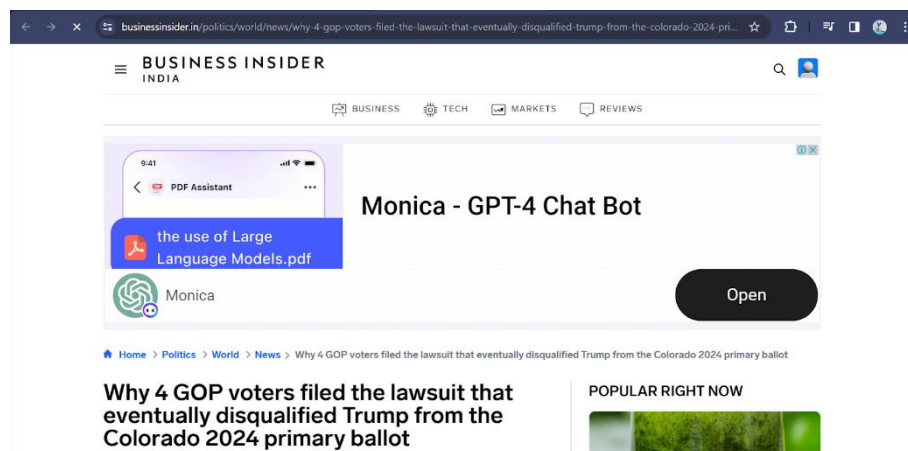
Rockstar Games co-founder Dan Houser's funeral



Inspector general investigating the decline of the US



• Redirected page



12. Known Issues

To navigate these issues, consider the following strategies:

- **Verify Sources:** Check the reputation of news outlets and prefer those with transparent editorial policies.
- **Cross-Check Facts:** Use fact-checking tools and consult multiple credible sources.

13. Future Enhancements

The future of news navigation is expected to be shaped by several key enhancements, including:

- **Artificial Intelligence:** AI-powered systems will generate news articles, automate fact-checking, and provide personalized content curation. AI-driven algorithms will also enable instant translation of media content, breaking language barriers.
- **Immersive Technologies:** Virtual Reality (VR) and Augmented Reality (AR) will revolutionize news consumption, offering engaging and interactive experiences that foster empathy and connection with audiences.