Project Title:

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Project Overview:

- **Purpose:**

- **The primary objective of InsightStream is to establish a user-friendly platform tailored for individuals who are passionate about staying informed, exploring diverse news topics, and accessing the latest updates.**
- **Our key goals include:**
- **User-Friendly Experience: Develop an interface that is intuitive and easy to navigate, ensuring users can effortlessly access, save, and share their preferred news articles.**
- **Comprehensive News Management: Provide robust features for organizing and managing news content, incorporating advanced search options for a personalized news experience.**
- **Technology Stack: Employ c**

- **Features:**

- **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.

▪ Architecture:

UI of the application --- API client --- Rapid API(backend)

▪ Component Structure:

- React Js
- React Router Dom
- React Icons
- Bootstrap/tailwind css
- Axios

Setup Instructions:

▪ Prerequisties:

- Node.js
- Mongodb

▪ Installtion:

- Clone the Repository: PS C:\Users\BSC 29\Downloads\code-20250918T040631Z-1-001.zip

o Install Dependicies: npm install **o** Run the application :npm start

Folder Structure:

/src

|_components

|_Footer.jsx

|_Hero.jsx

|_HomeArticles.jsx

|_NavbarComponents.jsx

|_NewsLetter.jsx

|_TopStories.jsx

|_\context

|_CategoryPage.jsx

|_HomePage.jsx

|_NewsPage.jsx

|_\style

|_ CategoryPage.css

|_Footer.css

|_ Hero.css

|_ Home.css

|_ HomeArticles.css

|_ Navbar.css

|_NewsLetter.css

|_NewsPage.css

|_ TopStories.css

|_App.css

|_App.js

|_index.js

Running the Application:

- Frontend- cd client npm start
- Backend-Cd server npm start
- Access:Visit http://localhost:3000

API Documentation:

- **User**:
  -/api/user/register
  -/api/user/login
- **Projects:**
  -/api/projects/create
  -/api/projects/:id ▪

Application:

-/api/apply

Authentication:

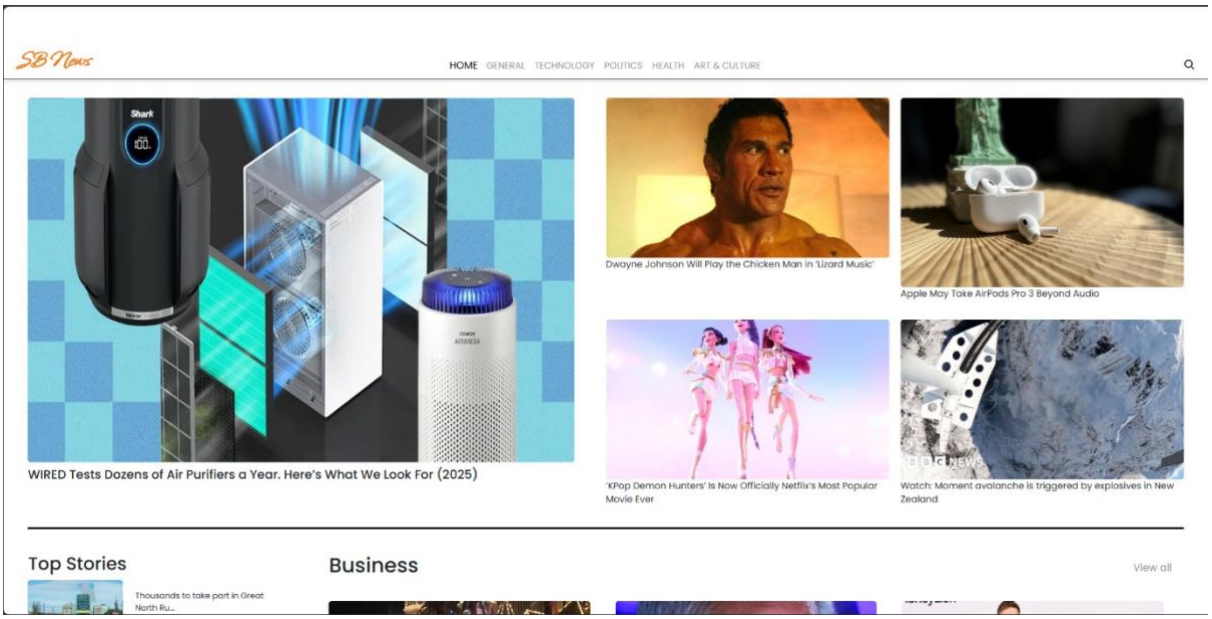
User Interface:

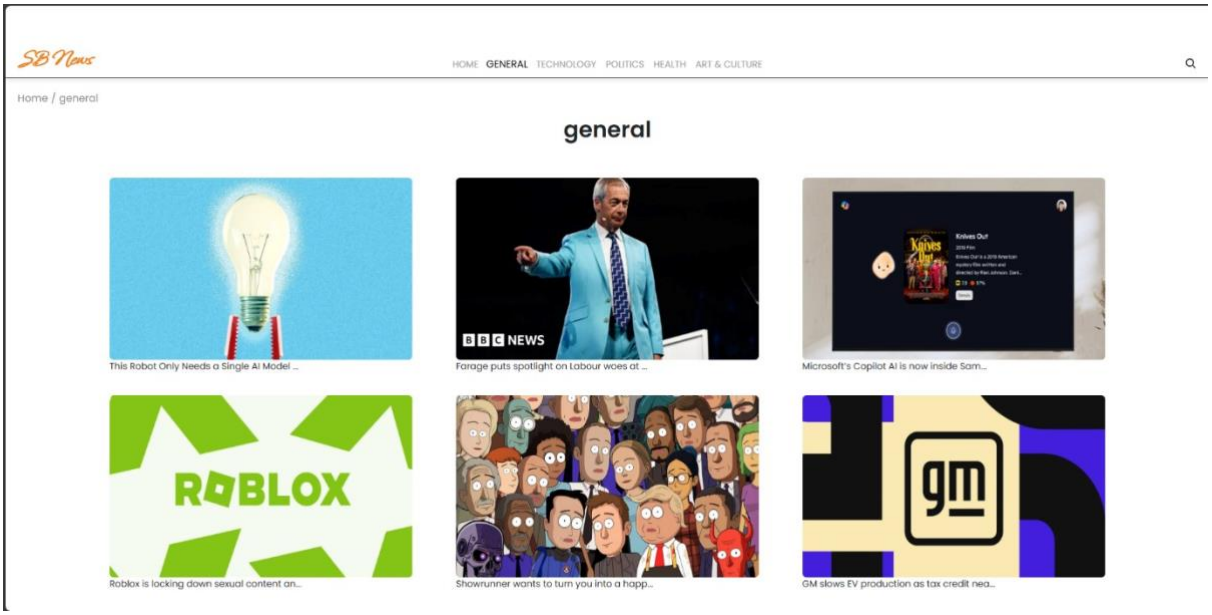
- Clean and intuitive layout optimized for smooth navigation
- Mobile-first design for seamless browsing
- Elegant light/dark mode toggle for improved accessibilty

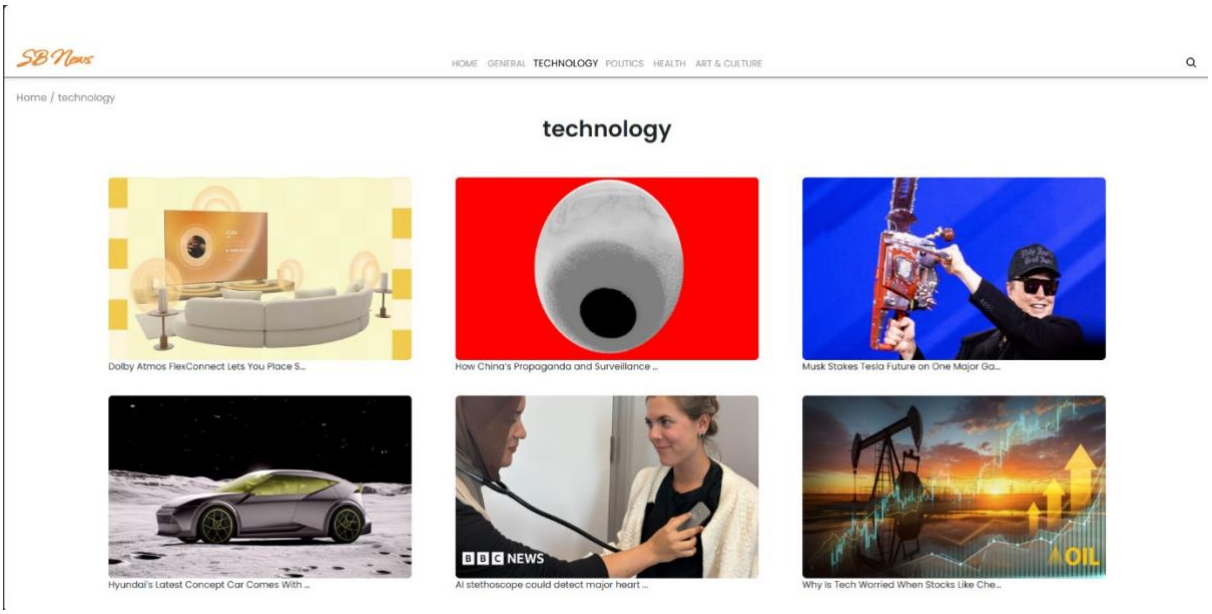
Testing:

- Jest for unit testing
- React Testing Library for component testing
- Code Coverage:Ensured high test coverage with jest reports

Screenshots or Demo:







Live demo link:

Known Issues:

- Certain API endpoints may experience delays during peak traffic

Future Enchancement:

- AI-Based Recipe Suggestions

- User Authenciation for personalized recipe collection
- Offline Mode for accessing saved news.