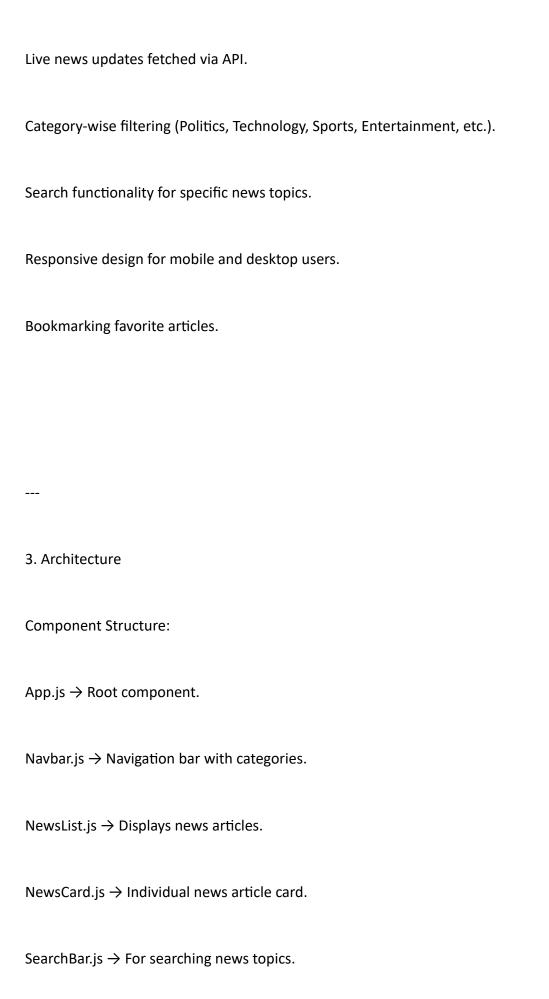
Insight Stream – News Website Documentation
1. Introduction
Project Title: Insight Stream –navigate the new landscape
Team Members:
Ganga K– Frontend Developer
[Janani P] – DBA Designer
[Gobika M] – Backend Integration
[Dharani M] _ Backend Integration
2. Project Overview
Purpose:
The goal of Insight Stream is to provide users with real-time, categorized, and reliable news articles in a clean and interactive interface.
Features:



Bookmark.js → Saved articles section.
State Management:
Implemented using Context API for global state.
Handles news data, bookmarks, and category filtering.
Routing:
Implemented with React Router DOM.
Routes: /, /category/:name, /search, /bookmarks.
4. Setup Instructions
Prerequisites:
Node.js (v16+ recommended)

npm or yarn
Installation:
git clone https://github.com/username/insight-stream.git
cd insight-stream
npm install
npm start
5. Folder Structure
/insight-stream
├/public
⊢/src
│
│
│
├/pages
│
│

NewsList → Renders fetched articles.
NewsCard → Displays article title, description, image, and source.
Reusable Components:
Button, Loader, Modal.
8. State Management
Global State:
News API data, selected category, search results.
Local State:
Pagination handling, modal visibility, input fields.

9. User Interface
Responsive Material UI + Tailwind CSS design.
Mobile-friendly layout.
Screenshots/GIFs showing:
Home Page with latest news.
Category selection.
Bookmarked articles view.
10. Styling
CSS Frameworks/Libraries:

Tailwind CSS

Material UI Components
Theming:
Light/Dark mode toggle.
11. Testing
Testing Strategy:
Unit tests for components with Jest.
UI testing with React Testing Library.
Code Coverage:
Ensuring >80% coverage.

12. Screenshots or Demo
Screenshots of homepage, categories, and bookmarks.
Demo link : https://drive.google.com/file/d/1aLsvU_rUGbS5cm3A5oEr3w284YFTPqyK/view?usp=drive_link

13. Known Issues
Sometimes API rate limits may cause delays.
Search performance can be optimized for large datasets.
14. Future Enhancements
Add Al-powered news summarization.
Implement push notifications for breaking news.

Support for multiple languages.

Progressive Web App (PWA) support.