

## Project Documentation – InsightStream: Navigate the News Landscape (Improved Version)

### 1. Project Overview

InsightStream is a beginner-friendly web-based project that allows users to view, add, delete, and search news articles.

It is built using HTML, CSS, and JavaScript with a simple and clean interface.

### 2. Technologies Used

- HTML → Defines the structure of the news application (form, search bar, and news list).
- CSS → Provides styling for forms, cards, buttons, and responsive layout.
- JavaScript → Adds interactivity such as adding news, deleting news, and searching articles.

### 3. Features

1. Add News – Users can add a new news article with a title and content.
2. Delete News – Each article has a delete button for removal.
3. Search News – Users can search for news by entering keywords, filtering results in real time.
4. Preloaded Sample News – The app loads with some default news items.
5. Responsive UI – Clean design with cards and intuitive user experience.

### 4. Working of the Project

1. When the page loads, sample news articles are displayed.
2. Users can type in a title and content and click "Add News" to publish new articles.
3. Each article has a delete button which removes it from the list.
4. The search bar filters news dynamically as the user types keywords.
5. All functionalities run in the browser without a backend.

### 5. Advantages

- Simple and interactive interface.
- Helps beginners practice CRUD (Create, Read, Delete) operations with JavaScript.
- Provides hands-on experience with search and filter features.
- Extensible for real-world use cases.

### 6. Future Enhancements

- Add an "Edit News" option.
- Include categories for news such as Technology, Sports, Health, etc.
- Save articles to Local Storage or a backend database.
- Fetch live news from APIs for real-time updates.