**News Aggregation System**

**(NAS)**

**Overview:**The **News Aggregation System (NAS)** is an innovative software engineering project designed to streamline the process of gathering, categorizing, and presenting news articles from multiple sources under a unified headline. **NAS aims to enhance the accessibility and organization of news by aggregating reports on the same incident from various news portals**, providing users with a comprehensive and multi-perspective view of current events**.**

With its structured approach, NAS efficiently manages **core functionalities such as News Collection, Headline Categorization, Source Verification, Filtering, and User Engagement.** The system integrates with news APIs, RSS feeds, and web scraping techniques to extract relevant articles, intelligently grouping them under common incident-based headlines. **Users can search for specific events, filter news based on parameters like date and source, and compare different media perspectives on the same topic.**

For enhanced user experience, NAS provides real-time updates, ensuring that breaking news is always up-to-date. Additionally, it offers sentiment analysis, biasness comparison and summary generation to help users quickly grasp key insights. Journalists, researchers, and general readers can leverage NAS to access reliable, well-organized information, making news consumption more efficient and insightful.

**Our vision is to consolidate diverse news perspectives in one place, fostering an informed and unbiased understanding of global events.**