

Personalized News Aggregator

Overview:

The Personalized News Aggregator is a web application that scrapes news articles from multiple sources, categorizes them using Natural Language Processing (NLP), and provides access through a REST API and a user-friendly front-end interface.

Features:

Article Scraping: Gathers news articles from various sources.

NLP Categorization: Uses NLP libraries to categorize articles.

REST API: Provides endpoints to access articles.

Front-End Interface: Displays articles with filter options.

Search Functionality: Filter articles by headline, date, and category.

CSS Styling: Enhances the visual appeal of the application.

Configuration:

1. Set up environment variables: Create a .env file in the root directory and add the necessary environment variables.

2. Run the application: `python run.py`

3. Access the application: Open your browser and go to `http://127.0.0.1:5000`.

Endpoints:

- **GET /articles:** Fetch articles based on headline filters.
- **GET /dates:** Fetch articles based on date filters.
- **GET /categories:** Fetch articles based on category filters.