# Project Details

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| **Project Name:** | News Aggregator |
| **Assigned To:** | Guttula Leela Venkata Anvesh |
| **Due Date:** | 2025-04-01 |

## Description:

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The **News Aggregator** is a web-based platform that collects and displays news articles from multiple sources in one place. Users can **browse categorized news, search for topics, and read articles** dynamically fetched from external news APIs or a database. The project will be built using **PHP, Bootstrap, and MySQL**, with API integration for real-time news updates.

## Features to Implement

1.

    ### Fetch & Display News Articles

    - Retrieve news from **external APIs** (e.g., NewsAPI, OpenNews, or custom RSS feeds).

    - Store and display **title, description, source, and publish date**.

2.

    ### News Categorization

    - Organize articles into **categories** (Technology, Sports, Politics, Business, etc.).

    - Users can **filter news** by category.

3.

    ### Search Functionality

    - Users can **search for news articles** by keyword.

4.

### User Authentication (Optional - for Personalization)

- Allow users to **sign up and save favorite articles**.

5.

### Admin Panel (News Management)

- Admin can **add, edit, or delete news entries** (if using a local database).

6.

### Database Management

- Store **news articles, user preferences, and saved articles** in MySQL.

7.

### Security Measures

- Prevent **SQL injection and API misuse**.
- Restrict unauthorized access with session authentication.