

Team 9 Members

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Problem Statement

Existing news applications either display all news, with the option of filtering by category, or only display news based on pre-decided categories of interest by the user. We plan to make the application more user centric by providing a voting system on the articles and learning more about the user's preferences. So users can be given news of relevance and interest to them rather than needing to look for it, with more accuracy over time.

Project Objectives

- The app will recommend news articles based on the categories selected by the user and learn their preferences over time.
- The user will have the ability to up-vote and down-vote news articles. Articles with negative votes will be avoided from recommendations, and positive votes will be favored. Users preferences in the form of click through data will be noted for future article recommendations as well.
- The app will have threads for each news article so that users can comment and share discussions.
- Users will have the ability to share the articles on different platforms, such as Facebook or Twitter.

Stakeholders

- **Users:** Regular and irregular news readers, and people seeking news only in their areas of interest.
- **Team Leader:** Nihanshu Purohit
- **Engineers:** Aviral Mansingka, Nihanshu Purohit, Sidhant Chadda, Sidhant Chitkara.
- **Project Owners:** Aviral Mansingka, Nihanshu Purohit, Sidhant Chadda, Sidhant Chitkara.

Deliverables

- Create a simple website that allows users to aggregate news with riotjs as our frontend framework and flask as our backend framework.
- Customize the news presented to a user with the help of a recommender system built using native numpy in python.
- Maintain a relational database of articles and user information to improve performance with the help of ORM solutions like SQLAlchemy.