

Software Development Marathon 1

7:00 PM, 19th March 2018

Title: Newsy

Overview

You need to build a web application which shows feed of current news. You need to build interface like any social networking site's feed, for example quora, facebook, etc..

To get current news you will scrape some news websites and get the latest news. Please scrape without hurting their servers :p

News item should look like the ones given in the figure below (title, brief description, read more link):

Rahul Gandhis speech rhetoric of a loser, says BJP

NEW DELHI: Moments after Rahul Gandhi likened the BJP to power-hungry Kauravas, the saffron party hit back at the Congress president, calling his speech a rhetoric of a loser. It sounds like a rhetoric [...read more](#)

Virat Kohli feels MS Dhoni is irreplaceable in limited overs

NEW DELHI: India cricket captain Virat Kohli feels that Mahendra Singh Dhoni is indispensable when it comes to limited-overs cricket and that his cricketing acumen is an asset for the team. Touching upon [...read more](#)

Resources

1. GITHUB account
2. Technology/Framework/Tool : HTML, CSS, JavaScript, php, python.
3. Recommended Python packages: Requests, BeautifulSoup and Newspaper3k.
4. Recommended CSS frameworks: Bootstrap and/or Materialize CSS.

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5. Apache Server along with MySQL database.

Specifications

- Create signup and login, for user.
- Scrape your desired news website once in one hour.
- Store the scraped data in your database to avoid redundant scrapping.
- Users can upvote or downvote each news article. Make sure one user can upvote a particular article only once.
- Provide functionality of sorting news feed by sorting by date and sorting by upvote count.

Submission

- Complete code
- Readme file describing content of each file
- A user manual (max 4 pages)

Evaluation

- Code quality
- Functionalities
- Interface design, GUI
- Demo, VIVA/Question answers