CSCC01 PHASE 3 REPORT

Team Chihuahuas (#16)

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State of the Project

We are currently on week 6 of our release plan; this is noted on our release plan/task board located on Trello. So far we have successfully completed the crawler (Scrapy) for the website which shows the articles in the table on the News Investigator website. In weeks two – five, we worked on getting the crawler, saving information to the database (CouchDB), and login working. When the user opens the News Investigator website, he/she is prompted to login or signup if it's the first time. After successfully logging in, the user is redirected to the index page where the user can add/see news sources and add/see the keywords. An important point to mention here is that the user will only be able to enter a valid URL to the news source. We ensured this with the use of regex before sending the information to the database. The same criteria holds for the keywords where the user would only be able to enter an alphanumeric keyword without any spaces.

The user can then start crawl from the navigation bar, which will kick off the scrapy crawler. The crawler currently parses the news sources from the database making sure that it saves those articles whose source contains the keywords. The results table in the database saves the id, title, link, date, and the source of the article. This information is then made available to the website through Flask and the user can view the results in a bootstrap formatted table by clicking on "View Sources Table" in the website to see the title, link, hyperlink(s), quotes, and mentions for each article on a separate row. The user is also able to filter the table by its rows and search for information within the table.

This week we started on using a python-based web framework, Flask, to ease the process of development and also be able to run Scrapy from the website. We also started testing the backend with unit test in Python and the frontend automation using Selenium IDE. In addition to that we have also started working on the Twitter handles and showing that information on the website.

There are a couple of changes that we have made to the release plan. First, we didn't have any backend until Phase II. We just had the frontend and the database. Looking at the remaining user stories that we need to finish, we figured a framework would make it much easier to complete the remaining tasks while ensuring our code remains modular. Also, we had to move the user stories pertaining to twitter from week 5 to week 6. This was done primarily because the tasks from previous iterations were not completely done.

Release Plan

Please see our Trello Board ("CSCC01 Team 16: Release Plan"). If you do not have access to it, please contact one of the team members. Each week contains the user stories to be implemented for that week.

We have made two changes to the current release plan – firstly, we moved user stories 20, 21, and 22 to week 6 from week 5 and secondly, the user stories 15, 16, and 17 were originally planned for week 7. However, the results table that we created using bootstrap already had features for searching/filter/sorting the rows. Therefore we moved these user stories to week 5. We had to make this decision since we were behind on the tasks from the previous iterations.

Iteration Plan

The iteration plans for week 3 to week 6 are included in the master branch in "Project Management/Iteration Planning"

Task Board

Please see our Trello page ("CSCC01 Team 16 Task Board") for the Task Board. If you do not have access to it, please contact one of the team members. The instructions to understand the task board are in the first list by the name "*How to understand the Task Board (Click on each card to see the description)*"

Burndown Chart

The burndown charts for all the weeks in included in Burndown_Charts.xlsx at the same place as the iteration plans i.e. "Project Management/Iteration Planning"

Code Reviews

Code Reviews from each team member is located in "Project Management/Code Reviews". All the reviews follow the format mentioned in the handout.

Code Inspection video is located in the same folder by the name Code_Review.mov

Testing

The unit tests for the backend are included in the "flask" branch. The instructions on how to run these have been included in the README.

The selenium tests for the frontend are included in the "testing" branch. The instructions on how to run these have been included in the README as well.