Project Status Report 3

Team 3

NewsVerse

Software Engineering
Fall 24

CS 673 A1

Damanjit Singh
Abigail Gualda
Stephen Yang
Dewei Wang
Yuhang Wang

Important Decisions and Team Weekly SCRUM Meeting Notes Captured here:

Important Team Documents:

- Slack Link: https://cs673a1.slack.com/archives/C07L83B3249
- Google Folder: ⬛ CS673 Team 3: NewsVerse WebApp
- Jira Link: https://bu-team3-swe673.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog
- Figma Link: https://www.figma.com/design/EStFv0CsKg7HSsz05Vvkbn/News-Verse?node-id=2-4705&node-type=frame&t=R5pJdfTDQRUUayIW-0
- Weekly Team Meeting:
  - Wednesday 6:00 - 7:45pm
  - Zoom Link: https://bostonu.zoom.us/j/92986961141?pwd=2PsIEJaSs4AAVc7mfAXL3VkEbRNj15.1&from=addon

SCRUM Mtg Notes:

Attendance: Stephen, Abby,Singh, Dewei, and Yuhang
Date: Oct 21, 2024
Meeting: Weekly Work Review and Turn in Assignments Mtg
Agenda:
- Breakdown front end development between the team to see what tasks each person is working on
- Update Jira
- Complete Progress Status Report
- Figure out fonts and colors that we will be integrating into the design

Next Steps:
  - Split tasks for frontend work
    - Record all of it in the Jira
  - Abby to help stephen to create a table with the name of the news and the url of the news
    - Attach the link of the URL to just the name
    - Cannot guarantee all of the sources needed
  - Need to build a table that holds all of the logo – dictionary
    - One table will be with shorten url that links a domain name to a specific article
    - One table that is holding all domain names with their logos
  - Dewei to continue to flesh out the frontend
  - Need to figure out what image format we want the logos to look like – JPG

    - Need to store the URL that holds the JPG
    - We can use the repo to store all of the icons
  - Need to figure out what widgets we are displaying and what APIs we will be pulling from
    - User can choose between
  - Create a more updated version of the Figma design of the page

Attendance: Stephen, Abby,Singh, Dewei, and Yuhang
Date: Oct 18, 2024
Meeting: Weekly Work Review and Turn in Assignments Mtg

- - - Cannot guarantee all of the sources needed
    - Need to build a table that holds all of the logo – dictionary
      - One table will be with shorten url that links a domain name to a specific article
      - One table that is holding all domain names with their logos
    - Dewei to continue to flesh out the frontend
    - Need to figure out what image format we want the logos to look like – JPG
      - Need to store the URL that holds the JPG
      - We can use the repo to store all of the icons

Attendance: Stephen, Abby,Singh, Dewei, and Yuhang
Date: Oct 17, 2024
Meeting: Weekly Work Review and Turn in Assignments Mtg

Agenda:
- Breakdown front end development between the team to see what tasks each person is working on
- Stephen is waiting for Singh to provide the frontend code base
- Next Steps:
  - Update our SRS – Software Requirements Specification Document

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Attendance: Stephen and Abby
Date: Oct 15, 2024
Meeting: Weekly Work Review and Turn in Assignments Mtg
Agenda:
- Team meet last Friday 10/11 to discuss what we will be using to display and connect the frontend to the database
  - Decided on all UX/UI tools
- Singh to develop the template to guide Dewei and Yuhang through them
  - Developing samples for them to call from the database and grab information
  - They are developing the front end for the database to code the data
- Next Steps:
  - Breakdown front end development between the team to see what tasks each person is working on
  - Stephen is waiting for Singh to provide the frontend code base
  - Update Jira with all tasks assigned to the team for the week
  - Update our SRS – Software Requirements Specification Document

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Attendance: Dewei, Stephen, Abby, Yuhang
Date: Oct 5, 2024
Meeting: Weekly Work Review and Turn in Assignments Mtg
Agenda:
- Review workflow so that the frontend understands how it will interact with with the background
  - 🗎 Database Schema
  - 🗎 backend workflow
  - There will be 50 headlines and urls loaded onto the database from our schema
    - Frontend: do we want it to be a continuous scroll or have multiple pages where we can display 5 headlines at a time
  - Right now we have been able to collect, and display all articles – we are

Individual Contributions:

- Abigail Gualda

  This week, I began with creating the project progress report 3. With this came adding all additional tasks to the Jira backlog while facilitating the team adding all of their tasks, prioritizing them and finding a time and place for our team to meet in person to review our Final Figma designs. In our second team meeting of the week, I helped to outline and breakdown and assign tasks for us to complete the UX/UI design and roll out the rest of the application. This included the breakdown of our color palette, choosing the font of both the content and headlines and solidifying our work plan. I have been assigned the tasks of helping to collect all logos for new sources that we will be displaying on our website which I have begun to help Stephen with. Aside from that, I am helping Damanjit finalize the Hi-Fi wireframe so that I can then continue to work on the implementation of specific design and functionality features like the headline landing page, dropdown functionality, or the landing page for categories.

- Damanjit Singh

  Developed a JavaScript function that shortens URLs for each news source. These shortened URLs are displayed under the summary section, enabling users to click on either the news source's name or logo, which redirects them to the specific article they wish to read. Initiated the team to brainstorm potential enhancements, focusing on incorporating AI-driven semantic analysis for generating more insightful news summaries. Currently refining the Hi-Fi wireframe, focusing on both visual and functional improvements. My efforts are concentrated on enhancing the categorical landing page to ensure it delivers a seamless user experience. Additionally, I am researching potential API sources to support the integration of dynamic content in the widget sections of our platform.

- Stephen Yang

  I have successfully completed the deployment of the back-end application and batch scheduling on AWS. The workflow is set to trigger on a time basis, starting with fetching data through the news API and ending with storing it in the database tables. The back-end is containerized and hosted on Amazon Elastic Container Registry (ECR). The batch job is built with AWS Batch for the back-end data pipelines. Additionally, I have handled the communication tasks between the front and back end. Now, the front-end developers have access to the data stored in the tables of DynamoDB. These are all the works I've contributed to the project this week.

- Dewei Wang
This week, I designed an advanced template for the webpage and determined the final form of the webpage. Through everyone's discussion, we finalized many details. Afterwards, I learned how to send code to the AWS server and how to add AWS amplification to the code, trying to retrieve data from the server database. During this period, we held multiple meetings and finally implemented this feature. Afterwards, I used Vue to design the web code for the project and discussed it with other team members. Several details still need to be modified, and I will continue to make changes to the development and maintenance of the web code in the next meeting.

- Yuhang Wang
During the week, I hit build a scaffolding based on react to try and connect to AWS for our front-end pages, now initially trying to use NEWS GenAPI as my back-end data to initially try and see if the front-end framework works, and then adding part of the material UI as a debug for our css pages to see how the to see how to use the components correctly in our web project, debug the compatibility between material UI and react, and how to deploy the material UI components correctly in our page, especially for the slider component and dropdown mask component on the page, to give the correct configuration.

GitHub Repo Link:
- https://github.com/stephenyang0215/NewsVerse

Additional Planning (photo):