

Project Status Report 4

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/ESfV0CsKg7HSsz05Vvkbn/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:

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**Attendance:** Stephen, Abby, Singh, Dewei, and Yuhang

**Date:** Oct 28, 2024

**Meeting:** Weekly Work Review and Turn in Assignments Mtg

#### Agenda:

- Update Jira
- Complete Progress Status Report
- Complete SDD and split all parts among team members

#### Next Steps:

- All parts of SDD to be completed
  - Fill out all parts of the Progress Status Report for the week
  - Abby and Stephen to work on loading all logos into chart
  - Singh to research about the usable widget API
  - Singh to work on the URL Shortener
  - Dewei and Stephen to create all diagrams for the SDD
  - Singh and Yuhang to help with all diagram descriptions
  - Abby to do the scope, functionality, and overview in the SDD
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## Individual Contributions:

- Abigail Gualda

This week, aside from that, I worked on the SDD and helped to organize an outline for the rest of the development team to fill in. On the SSD I contributed the scope, overview and functionality of our application. Additionally, I helped with the organization and explanation of all of the important information we needed to include on the SDD. I also worked on gathering the team to meet and record all progress on the Project Status Report including the SCRUM notes for the week. I scheduled an additional meeting with the team to review the SDD and ensure that we all felt the work was being split and getting completed. The Jira board has also been updated and tasks assigned as we have in the previous week – this week we are going to focus on the continuation of development of the frontend functionalities.

- Damanjit Singh

This week, I implemented the JavaScript function that I created last week to shorten URLs for news sources, allowing users to easily access articles by clicking on the news company logo or name. Additionally, I researched and tested several APIs for integration into the main landing page, finalizing the WeatherAPI for real-time weather data, the Stockdio API for financial information and stock market tracking, and the Eventful API for discovering local events. These enhancements aim to improve user experience and provide valuable information on the NewsVerse platform. I also worked on the SDD document to create the data flow diagram, attaching a description to each figure, writing the deployment and architectural requirements, as well as the error handling.

- Stephen Yang

This week, I completed the pipelines for generating headline keywords using the ChatGPT API. Once the headlines from the News API are written to the database, the back-end application triggers the ChatGPT API with those headlines. The list of headline keywords will be added to the original table in JSON format as an additional key-value pair for each headline. Additionally, I finished modularizing the backend to ensure that each module has the necessary attributes and functions to support reusability, maintainability, and testing.

- Dewei Wang

I will continue to be responsible for the front-end development work. Through discussion, we have changed the display method of hot news to use card display. At the same time, I have added some available APIs in the mini program bar on the right to make the mini program work properly. I am still developing the carousel function, which I think will be completed next week because the database has been adjusted. I have made adjustments to the data reading method, and the next step is to add the hot word function and related retrieval function.

- Yuhang Wang

This week, the basic front-end pages are pretty much written, and it's clear that Vue works better than what we had with React, so we'll probably end up going with Vue, and we've added a sliding window to the front-end, a preview effect, which all look great, and applied some components from Material UI to add some extra functionality to our pages, similar to widgets, and the At the same time, our project is progressing very fast, we can try to do some adjustments in the model, we started to use gpt to do all kinds of summarization, we can now start to do some adjustments in the language model as far as possible to use a model to try to see if we can do gpt almost the same effect.

**GitHub Repo Link:**

- <https://github.com/stephenyang0215/NewsVerse>