

Weekly Progress Report (Week 7) Team 507

Sprint Review:

Status of the current sprint

Note: Use Item No. for non-user story work like infrastructure set-up.

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
US00014: Error Handling for Formulas (both)	2	no link yet	James	In Progress	
US00005: Allow formulas in cells	3	no link yet	James	In Progress	
US00003 (Allow Range Expression Backend)	3	no link yet	Suhani	Completed	Completed and tested the functionality
US00022: implementing multiple screens (Frontend)	1	no link yet	Amaiya	Completed	Added routes and links for screen navigation
US00018: Creating Charts (Backend)	4	No link yet	Amaiya	Completed	
US000017 Search Bar (Frontend and Backend)	1	no link yet	Bianca	Completed	Completed the search bar functionality. User can now search for any value or string

					within the spreadsheet.
US00006	2	no link yet	Bianca	Completed	
US00019: Undo/Redo (Backend)	3	no link yet	Suhani & Bianca	Completed	Working on the frontend buttons and linking them with the backend
US00012: Error Handling for Data Types (both Frontend and Backend)	2	no link yet	James	In Progress	
US00013: Error Handling for Cell References and Range Expressions (both)		no link yet	Suhani and Bianca	Completed	

US00003: Allow Range Expressions (Frontend)

US00002: Allow Cell References (Frontend)

US00005: Allow Formulas in Cells (Backend)

US00012: Error Handling for Data Types (both Frontend and Backend)

US00013: Error Handling for Cell References and Range Expressions (both)

US00014: Error Handling for Formulas (both)

US00019: Undo/Redo (Frontend)

US00022: implementing multiple screens (Frontend)

US00018: Creating Charts (Backend)

Individual Contributions:

Please provide 1-2 sentences to describe the contributions of each team member during the past week.

Amaiya Brickhouse:

We met twice this sprint to discuss how things were going with each of our implementations and any questions we had based on our work so far. I implemented the capability to switch screens through our navigation bar, adding a help screen and a history screen. I also implemented a way to create charts on the front and back end. The task also led me to look into the chartjs react library. We also started thinking about what still needed to be done for our project as we are getting closer to the end.

Bianca Anne-Marie Ciorobea:

We met twice this sprint again and discussed our progress and what we are planning to work on within the next sprint. We managed to finish most of the needed functionality for our spreadsheet program during this sprint, and we discussed all of the details that are missing from our implementation. I worked with Suhani on error handling for range expressions and cell references. We also worked together on making the undo and redo buttons function properly, which is one of our extra features for the spreadsheet application. Moreover, we fixed some implementation details in the cell reference class and range expression class.

Suhani Singhvi:

We met twice, discussed our progress on our user stories and issues with each of our implementations. We discussed which user stories we will work on in the current sprint. I worked on the range expression changing with insertion and deletion of rows and columns. I worked with Bianca to add the errors for cell references and range expression.

James Peterson:

We met twice to discuss progress and plans for the next sprint. I worked on implementing formulas and adding error handling for various functionalities. I will be finishing that up this upcoming sprint.

Sprint Retrospective:

Please answer the below questions in 1-2 sentences (use more if something really went wrong).

What went well in the previous sprint?

Team members met and communicated effectively about the user stories that we were all working on. Team members collaborated often and efficiently during this sprint as we continued to connect the front-end to back-end functionality. There were no conflicts among team members regarding what each person completed and people worked together cohesively, and many user stories were able to be completed this sprint.

What obstacles were encountered in the previous sprint?

Additionally, we had a little bit of trouble merging everything we had done together in our repository. We had to spend some extra time making sure that we understood everyone else's

implementations. We experienced some difficulty with figuring out how to transform data from the spreadsheet into data that we could give to the chart creator that we imported.

What can we improve in the next sprint?

Now that we have much more of the basic functionality implemented and most of the additional features. We will write more tests and add comments. Working together on some errors in the code will improve group cohesion and collective understanding of the project, as was shown when two of our group members collaborated directly on some problems. It will help us debug the code more efficiently.

Sprint Planning:

Plan for next sprint

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
US00027: improve range expression on basis of addition and deletion of rows and columns	3	No link yet	Suhani	In-Progress	Debugging some errors in the functionality
US00024	3	No link yet	Amaiya	In-progress	add error handling to the chart
US00023	2	No link yet	Amaiya	Ready	implement tests for chart classes
US00025	1	No link	Amaiya	Ready	Help screen
US00026	1	No link yet	Bianca	In-progress	Make title editable

US00028	4	No link	Bianca	In-progress	Version History
US00029: Error Message popup	3	No link yet	Suhani	in-progress	
US00030	3	No link yet	Bianca	In-progress	
US00005	3	no link yet	James	In-progress	
US00012: Error Handling for Data Types (both Frontend and Backend)	2	no link yet	James	In Progress	
US00014: Error Handling for Formulas (both)	2	no link yet	James	In Progress	

US00012: error handling for data types (B/F)

US00014: error handling for formulas (B/F)

US00005: allow formulas in cells (B)

US00023: implement tests for chart classes (B/F)

US00024: add error handling to the chart (B)

US00025: help screen (F)

US00026: Make title editable

US00027: improve range expression on basis of addition and deletion of rows and columns

US00028: Version History

US00029: Error Message popup

US00030: Add comments and reformat code

General Scrum/Agile related guidelines:

- Spend the initial sprint to capture the work you foresee from now until the end of the project and create placeholder User Stories (with status defined) or Items for them (assigning tentative estimates if possible). These should all be part of the Product Backlog.
- Lifecycle (status) of User Stories:
 - Defined: User story exists for work item but several details are missing and is not ready to start development. (Exists in the Product backlog)
 - Ready: User Story has all the details (estimate, acceptance criteria, etc.) filled in and there is sufficient detail to start development. (Exists in Product backlog and can be pulled into a sprint)
 - In-progress: Some developer is working on the story (should have an explicit owner)
 - QAT (Quality Assurance Testing): (optional) Development complete and is being tested.
 - Complete: The development and testing for the story is complete and it is ready to demo.
 - Accepted: The demo is satisfactory and meets the acceptance criteria. Signifies successful implementation.
- User stories can move back and forth as part of development and testing.
- You can have multiple stories as “Defined” in the Product backlog and you can fill in information and move them to “Ready” as you have more information.
- However, a story must be “Ready” before you can include it in a sprint plan.