Weekly Progress Report (Week 8) 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	Bianca	Completed	
US00005: Allow formulas in cells	3	no link yet	Bianca	Completed	
US00023: implement tests for chart classes (B/F)	3	no link yet	Amaiya	In progress	
US00025: help screen (F)	1	No link yet	Amaiya	Completed	
US00024: add error handling to the chart (B)	2	No link yet	Amaiya	In progress	
US00006	2	no link yet	Bianca	Completed	
US00012: Error Handling for Data Types (both Frontend and Backend)	2	no link yet	Suhani	Completed	

US00013: Error Handling for Cell References and Range Expressions (both)	3	no link yet	Suhani and Bianca	Completed	
US00026: Make title editable	1	no link yet	Bianca	Completed	
US00028: Version History / Save as CSV	3	no link yet	Bianca & Amaiya	Completed	Bianca looked into developing the version history functionality. However, we decided to not go forward with that idea, and Amaiya implemented a different feature that allows the user to save the spreadsheet as a csv file instead.
US00029: Error Message Popup	3	no link yet	Suhani	Completed	
US00027: improve range expressions on basis of addition and deletion of rows and columns	3	No link yet	Suhani	Completed	

US00030: Add comments and reformat code	3	no link yet	Bianca	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

Individual Contributions:

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

Amaiya Brickhouse:
We met /once this sprint. We were able to work on our stories and discuss final implementation details. We also reworked some of our ideas about our version control features and decided to implement a different functionality that we felt made more sense for our project. We also refactored and cleaned up our code a bit. I added some text to our help screen, added some of our tests and added the ability to save the spreadsheet as a csv.

Bianca Anne-Marie Ciorobea:
We met once this sprint again and discussed the final details of the project and the stories we have completed. We also talked about replacing certain features and refactoring our code in a more efficient way. I worked on formulas and error handling for formulas (they were initially assigned to James, but I had to take over the stories as James had dropped the class). I also worked on making our title editable, and looked into the version history feature that we wanted to implement (we ended up dropping this feature and Amaiya came up with a better idea). I also worked on making formulas automatically update every time a referenced cell changes or a row/column is deleted or added. Moreover, I added a text box above the spreadsheet that shows the formula associated with the selected cell.

Suhani Singhvi:
We met once this sprint again and discussed the final details of the project and the stories we

have completed. We also talked about replacing certain features and refactoring our code in a more efficient way. I worked on creating popup messages for the error cases of our spreadsheet, and refactored the code that we initially had for our classes, in order to throw appropriate errors in the desired cases. I also improved the range expressions on the basis of addition and deletion of rows and columns. Now, the range expressions are updated appropriately every time we make any change to the spreadsheet.

James Peterson:
[James has dropped the class]

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 during the sprint even outside of scheduled meetings as we worked on the finishing details of our main functionality and features. We have integrated our code/features well over the course of the project so we have not had to deal with any major issues with integration.

What obstacles were encountered in the previous sprint?

Unfortunately, one of our team members had to drop the class, so we had to adjust our planning accordingly in order to finish what we needed before the final due date of the project. Some of our practices will have to be adjusted because our plans were initially made for four people.

What can we improve in the next sprint?

Now that we have the functionality implemented for our spreadsheet, we will continue working on refactoring and improving our code. We will add more comments, documentation, and work on improving our tests, so that we can catch any unexpected bugs in the code before the final due date. We will work together on these final tasks so that we can all combine our ideas and understanding of the code, in order to add any last minute details and additional functionality for our project.

Sprint Planning:

Plan for next sprint

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks

US00030: Add comments and reformat code	3	No link yet	All members	In-Progress	
US00024	3	No link yet	Amaiya	In-progress	add error handling to the chart
US00023	2	No link yet	Amaiya	In-progress	implement tests for chart classes/data rep
US00031	2	No link yet	All members	Ready	Report
US00032	2	No link yet	All members	Ready	Presentation
US00033	2	No link yet	All members	Ready	Test completion
US00034	2	No link yet	All members	Ready	Formatting and organization

US00023: implement tests for chart classes (B/F)
US00024: add error handling to the chart (B)
US00030: Add comments and reformat code
US00031: Report
US00032: Presentation
US00033: Test completion and coverage
US00034: Formatting and organization

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. o 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.