Weekly Progress Report (Week 5) 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
US00001	1	no link yet	Suhani	Completed	Will need to reassess the functionality when other classes are implemented
US00002	2	no link yet	James	In Progress	unit testing and working with different ways of passing referenced data to determine best practice
US00003	2	no link yet	Suhani	In Progress	unit testing and adding error conditions
US00004	3	no link yet	Amaiya	Completed	May have to rework tests at a later point because many classes have

					not been worked on yet
US00005	1	no link yet	Bianca	Completed	Will need to recheck the functionality when other parts related to cell contents are ready.
US00006	2	no link yet	Bianca	In Progress	Testing and working on checking if we need to account for more errors.

US00001: Allow String and Numeric Constants in Cells (Backend)
US00002: Allow Cell References (Backend)
US00003: Allow Range Expressions (Backend)
US00004: Insert/Delete Rows and Columns (Backend)
US00005: Clear Cell Contents (Backend)
US00006: Error handling (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. We talked about what tickets would be best to work on in connection with our current tickets. We also talked again about how many story points we each thought would be appropriate for each week and if we expected to be able to take on more or less next sprint. I, specifically, worked on the ability to add/remove rows and columns and wrote a few tests for the functions.

Bianca Anne-Marie Ciorobea:
We met twice and discussed our progress and what we are planning to work on within the next sprint. We also spoke about what user stories would be appropriate to focus on next,

considering the parts that we are working on currently, and re-evaluated the distribution of the story points according to how fast we managed to complete our work during this sprint. I worked on error handling and clearing cell contents during this week. I am currently still considering additional error handling cases, as I am still unsure about how our implementation will look as we go deeper into the project requirements.

Suhani Singhvi:
We met twice, discussed our progress on our initial stories and issues with each of our implementations. We discussed which user stories we will work on in the current sprint. These user stories will have to be in connection with the last sprint user stories. We also re-evaluated the number of story points we want to work on each sprint going forward. I worked on adding the functionality in the cell to contain string and numeric values. I also worked on the implementation of allowing range expression in cells. I'm still working on adding additional error cases to the range expression functionality.

James Peterson:
We met up twice to discuss our progress on our user stories and brought up any concerns relating to implementation and high-level design questions. We also discussed what the next sprint should look like for each of us. I worked on the representation of cell references, specifically in the CellReference class, and planned out how CellReferences should be utilized in other parts of the application.

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 current user stories, and the progress of each member. There were no conflicts among team members regarding what each person completed, and some of the main user stories of the project were completed.

What obstacles were encountered in the previous sprint?

Since this is the first implementation sprint, we ran into difficulties with implementing different parts of the application without being able to reference existing code. Additionally, working individually on stories made it hard for us to understand how each team member was thinking.

What can we improve in the next sprint?

In the next sprint, collaborating and building on top of an existing codebase will make future stories at least a little easier to understand from a design perspective as we will have code to reference for future features. Working together on some problems (pair programming) will improve group cohesion and collective understanding of the project.

Sprint Planning:

Plan for next sprint

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
US00002	2	no link yet	James	In- progress	
US00003	2	no link yet	Suhani	In- progress	
US00006	2	no link yet	Bianca	In- progress	
US00009	4	No link yet	Amaiya	In-progress	
US00005	3	No link yet	James	Ready	
US00017	4	No link yet	Bianca	In-progress	
US00019	4	No link yet	Suhani	In-progress	

US00002: Allow Cell References (Backend)
US00003: Allow Range Expressions (Backend)
US00006: Error handling (Backend)
US00005: Allow Formulas in Cells (Backend)
US00009: Display Current Cell Values (Frontend)
US00019: Undo/Redo (Backend)
US00017: Search bar (Backend)

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.