

Weekly Progress Report Week 0

Team 108

Individual Contributions:

Peter Benson: I outlined our prototype UI design and looked at example spreadsheet software for inspiration.

Jonah Nidorf: I am combining all our user stories into one document, refactoring them to fit the design of our specific implementation and removing duplicate stories that we wrote individually.

Timothy Porter: I am brainstorming an effective design pattern for the spreadsheet and mapping it into a class diagram to share with group members and get feedback.

Sprint Planning:

Since it's still Phase B, we don't have formal user stories planned for next week. Instead here are our informal plans for next week:

Tuesday 10/10 - Team Meeting - Here we will come together to show each other the work we've been doing and get our deliverables more organized ahead of the Phase B deadline. We would have time to make some group design decisions as well so we're ready for Phase C.

Weekly Progress Report Week 1

Team 108

Individual Contributions:

Peter Benson: *Hand-drew several UI prototypes, and outlined the responses of specific actions. Did competitor analysis of other comparable spreadsheet software. Ensured that UI components match up with user stories.*

Jonah Nidorf: *I finished polishing our user stories and added some new ones to include functionality that we had previously missed.*

Timothy Porter: *Roughed out a basic idea of what systems should exist to support spreadsheet functionality and how they should interact. Left space for them to be refined and revised before becoming final.*

Sprint Planning:

Since it's still Phase B, we don't have formal user stories planned for next week. Instead here are our informal plans for the week:

Wednesday 10/18 - Team Meeting - Get together one last time before the phase B deadline to prepare for the submission and start talking about the phase C implementation.

Friday 10/20 - Submit Phase B deliverables

Weekly Progress Report Week 2 (start of sprint 0)
Team 108

Sprint Review: Status of the current sprint (leave empty because it's sprint 0)

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
US00001 (this would be the user story number from our user story document)	<estimate>	<link to file or issue on github>	<name>	Ready/In Progress/ Complete/ Accepted/ Blocked	Comments if any
ITEM### (this would be for non-user story work like setting up infrastructure etc.)					

Individual Contributions:

Peter Benson: *Finalized UI Prototype in Balsamiq. Created a basic conceptual control flow for the UI elements.*

Jonah Nidorf: **First I finished labeling the user stories so we can start using them for future sprints, then I took the UML diagrams that were created by Tim and implemented the empty class declarations and method signatures in TypeScript on our github repository.**

Timothy Porter: *Created UML diagrams for the various inner components of the program, including the spreadsheet model itself as well as a taskbar model and connection to an interface.*

Sprint Retrospective: (use more of something really went wrong).
(leave empty because it's sprint 0)

What went well in the previous sprint?
<Generally positive stuff>

What obstacles were encountered in the previous sprint?
<Any issues, blockers, estimates were off. Generally, not so positive stuff>

What can we improve in the next sprint?
<Things that we can improve (either build up on good things or steps to prevent obstacles faced)>

Sprint Planning:

Friday 10/20 - Submit Phase B deliverables

Sprint 0 planning:

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
US00001 (this would be the user story number from our user story document)	<estimate>	<link to file or issue on github>	<name>	Ready/In Progress/ Complete/ Accepted/ Blocked	Comments if any
ITEM### (this would be for non-user story work like setting up infrastructure etc.)					

<i>Import dataset from file (US-12)</i>	2	n/a as of right now	Jonah Nidorf	Ready	n/a
Create a spreadsheet (US-01)	2	n/a	Tim Porter	Ready	n/a

Weekly Progress Report Week 3 (start of sprint 1)
Team 108

Sprint Review: Status of the current sprint

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
<i>Import dataset from file (US-12)</i>	2	n/a	Jonah Nidorf	In Progress	Off to a slow start, no major progress made this week
Create a spreadsheet (US-01)	2	n/a	Tim Porter	In Progress	Getting started, checking out the relevant classes and interfaces

Individual Contributions:

Peter Benson: *Organized my local github repo for the spreadsheet, looked into common design patterns and HTML elements for creating the UI windows that I want to work with.*

Jonah Nidorf: Did a little bit of general work on class infrastructure and code organization and then barely had time to start on my first story which is the import dataset from file.

Timothy Porter: Just started checking out what code will be used for the spreadsheet implementation, marking classes and interfaces for inclusion

Sprint Retrospective:

What went well in the previous sprint?

I cant think of anything.

What obstacles were encountered in the previous sprint?

We did not make a ton of progress made this sprint, but there were no major obstacles or hardships. Peter had to be added to the GitHub Repo because he was not initially a collaborator.

What can we improve in the next sprint?

Probably just communicate a little bit more and try to be more proactive with the work instead of procrastinating it.

Sprint Planning:

Sprint 2 planning:

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
Create a spreadsheet (US-01)	2	n/a	Tim Porter	In Progress	Continuing on this user story.
<i>Import dataset from file (US-12)</i>	2	n/a	Jonah Nidorf	In Progress	Pushing the story to next week because I did not finish
<i>Basic statistical processing (US-16)</i>	3	n/a	Peter Benson	In Progress	Just implementing basic calculations, not the UI yet.

Weekly Progress Report Week 4 (start of sprint 2)
Team 108

Sprint Review: Status of the current sprint

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
<i>Import dataset from file (US-12)</i>	2	n/a	Jonah Nidorf	Complete	Need to write more tests
Refactor spreadsheet class to work with 2D cell array (ITEM001)	1	n/a	Jonah Nidorf	Complete	Took a slight departure from our phase B design
Insert row/column (US-06)	2	n/a	Jonah Nidorf + Peter Benson	In Progress	The backend is done, and the UI has a button in place
TITLE: Create a spreadsheet (US-01)	2	n/a	Jonah Nidorf + Peter Benson	In Progress	The backend is done, the UI has a button in place
TITLE: Formulas (US-07)	2	n/a	Tim Porter	In Progress	In planning stages

Individual Contributions:

Peter Benson:

Cleaned up bugs in constructors, created React App. Implemented the basics of the UI structure in React. Started working on the Button classes for the top bar.

Jonah Nidorf: Implemented most of the Spreadsheet class, which needed to be changed to work with a 2D array of cells rather than arrays of rows, columns, and cells. Now you can create a new spreadsheet, get data from each row, column, or cell, and add new rows, and columns. Implemented the import method which allows you to take in data from a txt or csv file and it will be stored in the current spreadsheet.

Timothy Porter: Entered planning stages for formula evaluation, original plan was to have each cell evaluate its formula independently. May have to add a visitor style class to ensure resolvable cell references. In process of planning class structure change

Sprint Retrospective:

What went well in the previous sprint?

We had better communication than previous weeks and actually got a big chunk of work done.

What obstacles were encountered in the previous sprint?

We had to rethink some of the class design that was made in phase B to work in a way that made more sense in practice.

What can we improve in the next sprint?

Try to include all three members in the meetings/work sessions as much as possible.

Sprint Planning:

Sprint 2 planning:

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

<i>Export spreadsheet to file (US-13)</i>	2	n/a	Jonah Nidorf	Ready	Shouldn't be too bad since I already know how to import
Delete row/column (US-05)	2	n/a	Jonah Nidorf	Ready	
Link Top Bar Buttons to	1	n/a	Peter Benson	Ready	Shouldn't be too hard – just need to map the buttons to the right handlers.
Implement a View for the Spreadsheet	2	n/a	Peter Benson	Ready	This requires implementing the underlying React Model.
TITLE: Formulas (US-07)	2	n/a	Tim Porter	Ready	Execute on a class structure and get basic formulas working

Weekly Progress Report Week 5 (start of sprint 3)
Team 108

Sprint Review: Status of the current sprint

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
Export spreadsheet to file (US-13)	2	n/a	Jonah Nidorf	Done	
Delete row/column (US-05)	2	n/a	Jonah Nidorf	In-Progress	
Link Top Bar Buttons to functionality	1	n/a	Peter Benson	In-Progress	Shouldn't be too hard – just need to map the buttons to the right handlers.
Implement a View for the Spreadsheet	2	n/a	Peter Benson	In-Progress	This requires implementing the underlying React Model.
TITLE: Formulas (US-07)	2	n/a	Tim Porter	In Progress	Basic formulas working, still some nitpicking to do

Individual Contributions:

Peter Benson:

Made some progress on implementing Spreadsheet Views, but needs more work. Researched external UI libraries and styling in CSS.

Jonah Nidorf: This week I implemented a toString method in the spreadsheet class and used that to implement the export to CSV method. I started writing code comments and tests for the spreadsheet class which I will have to continue doing next week.

Timothy Porter: The week I implemented the first formula solver which can now solve basic formulas and obey operator priority for an arbitrary number of operators and implemented tests.

Sprint Retrospective:

What went well in the previous sprint?

We met on Monday morning to get organized at the start of the week. It helped us understand what each other was working on and made us more efficient overall.

What obstacles were encountered in the previous sprint?

I can't think of anything too difficult from the last sprint...

What can we improve in the next sprint?

Keep doing what we're doing!

Sprint 3 Review:

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
Write tests and comments for the spreadsheet class (ITEM002)	1	n/a	Jonah Nidorf	In-Progress	

Delete row/column (US-05)	2	n/a	Jonah Nidorf	In-Progress	
<i>Undo/Redo Changes</i> (US-14)	2	n/a	Jonah Nidorf	Ready	Might not get around to this but i want to start thinking about it
Link Top Bar Buttons to functionality	1	n/a	Peter Benson	In-Progress	Shouldn't be too much harder – just need to map the buttons to the right handlers.
Implement a View for the Spreadsheet	2	n/a	Peter Benson	In-Progress	Need to clean up some bugs with the connection between React and the model.
TITLE: Formulas (US-07)	2	n/a	Tim Porter	In Progress	Add cell references

Weekly Progress Report Week 6 (start of sprint 4)**Team 108****Sprint Review: Status of the current sprint**

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
Write tests and comments for the spreadsheet class (ITEM002)	1	n/a	Jonah Nidorf	In-Progress	
Delete row/column (US-05)	2	n/a	Jonah Nidorf	Done	
<i>Undo/Redo Changes (US-14)</i>	2	n/a	Jonah Nidorf	In-Progeess	still in the discovery phase for this
Link Top Bar Buttons to functionality	1	n/a	Peter Benson	Done	
Implement a View for the Spreadsheet	2	n/a	Peter Benson	Done	
TITLE: Formulas (US-07)	2	n/a	Tim Porter	Done	
TITLE: Parentheses (US-08)	0.5	n/a	Tim Porter	Done	
TITLE: Reference cells (US-09)	1	n/a	Tim Porter	Done	

Individual Contributions:

Peter Benson:

Implemented the React state model, tying the UI to the underlying spreadsheet model. Now, you can add / remove rows using the top bar buttons.

Jonah Nidorf: This week I implemented the remove row/column methods in the spreadsheet class and wrote a few corresponding tests. I've been slowly adding more tests to the spreadsheet spec class but it still needs work on the edge cases.

Timothy Porter: Added the ability to reference other cells within a cell's equation. Added more tests for the equation solver but some more are needed. Modified Cell class structure to allow checking of circular cell references.

Sprint Retrospective:

What went well in the previous sprint?

Good communication via text.

What obstacles were encountered in the previous sprint?

It was hard with the midterm I looming over us to focus on working. A little bit of focus had to be shifted towards studying.

What can we improve in the next sprint?

Now that most of the base features are done, we need to figure out how to present a finished product. Besides that, we can just keep doing what we're doing!

Sprint 2 planning:

User Story ID/ Item No.	Story Points	User Story Link	Owner	Status	Remarks
Write tests and comments for the	1	n/a	Jonah Nidorf	In-Progress	still chipping away!

spreadsheet class (ITEM002)					
<i>Undo/Redo Changes (US-14)</i>	2	n/a	Jonah Nidorf	In-Progress	
Formula Editing	3	n/a	Peter Benson	TODO	Need to implement cell reference and formula editing from the UI side.
Import / Export	1	n/a	Peter Benson	TODO	Implement Importing and Exporting a file from the UI side.
TITLE: Range expressions (US-10)	2	n/a	Tim Porter	TODO	Next step in equation solving is range expressions