

Sprint 3 Retrospective

Document Date: Nov 8, 2024

Document Status: Completed

Sprint Dates: Oct 26, 2024 to Nov 8, 2024

Important Links

- Application Page: <https://planxt.herokuapp.com/>
- Github: <https://github.com/CSCE-606-Event360/Fall2024-PlaNXT>
- Pivotal Tracker: <https://www.pivotaltracker.com/n/projects/2721605>
- Slack: plantxcorp.slack.com

Customer Meeting Time: Nov 8, 2024 3:00 PM on Zoom

Team Roles

Customer: Tito Chowdhury

Product Owner: Govind Joshi

Scrum Master: Sai Siva Rohith Tirumalasetti

Developers: Mahima Ganni Ankitha Prasad

Contribution Overview

Overall, the team clearly understood the project's key requirements and priorities. We dedicated time to brainstorming ideas that could add value, prioritizing items essential for deployment and setting aside minor convenience improvements. Learning from the previous sprint's experiences, we implemented enhanced processes for this one. We followed Scrum practices closely, including sprint planning, conducting an MVP demo, and holding a retrospective to refine our approach for future sprints. The developers made steady progress on the user stories, contributing effectively to the overall project.

Contribution Table

Name	Role	Overview	Contrib. %
Sai Siva Ro...	Scrum Master	I have tried to ensure that we had a standup meeting daily to discuss the progress of the developers and if the development is aligning with the requirements. Apart from that, I guided the team for the completion of the documents and submitted them. I have also contributed to a few changes in the UI of the application.	25
Govind Joshi	Product Owner	As the product manager, I	25

		<p>conducted a deep dive on existing floor planning and event planning applications in order to survey the best UI/UX features on the market. I created a presentation containing my findings and demoed it to the client. We had a thorough discussion to settle on the most important features we would like to incorporate into our application, including the ability to draw and expand walls. Additionally, I led the client meeting to make sure all of our accomplishments and questions were discussed.</p>	
Mahima Ganni	Developer	<p>As a developer, I worked on creating a modal in 3d view to input the setup and breakdown times. I have also worked on syncing the changes between the 3d and the 2d view for the rotation, deletion and change of width and height. I have also added a table view to display the items in the 3D view. I also did a Real world scenario testing with around 436 items.</p>	25
Ankitha Pra...	Developer	<p>As a developer, I worked on implementing the dependency feature, specifically handling the dependencies between items in the plan. The initial implementation is focused on the 2D view. I made several UI modifications to accommodate this feature. Also, started developing the logic to manage time updates between dependent items, ensuring that the system accurately calculates and adjusts the dependent item's time based on a predefined offset. Since this is a complex feature, the work is still ongoing and hence will continue in the next sprint as well.</p>	25

Sprint Goal

The goals of this sprint were to complete the sync of the 2-D and the 3-D plans, live scrolling functionality in the 3D timeline scrubber which would enable real-time updates in the interface, do a real-world performance testing to assess the system's ability to handle a large load (more than 500 items) and to confirm that effective rendering is maintained under such conditions and add the time dependency feature. We also added a story in between the sprint to modify the UI of the 2-D plan page.

Sprint Achievements

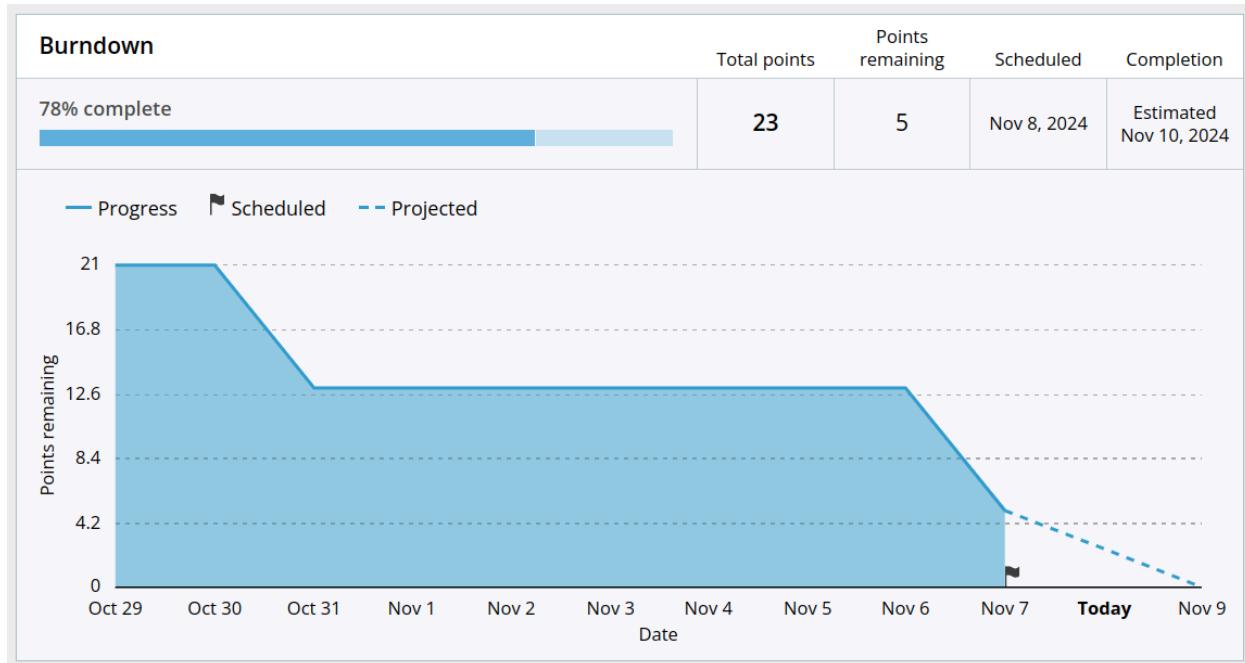
In this sprint, we achieved the following:

- Few UI and backend changes for the dependency feature
- Syncing the deletion, rotation, width and height changes between 3D and 2D view
- Displaying items table in 3d view
- A few UI changes overall for user experience
- Live scrolling feature for the timeline bar
- A few cosmetic changes for the timeline bar
- UI changes to the 2-D plan page

Sprint Backlog items and status

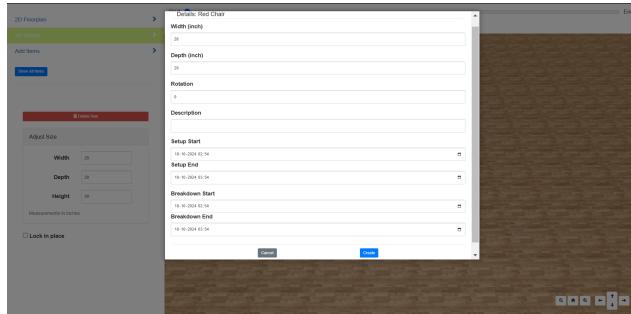
- The user story "Create Dependency between items" is moderately complex and involves multiple changes across the system. Due to its scope, the developer anticipates that work on this story will extend beyond the current sprint into the next sprint as well. The team will consider breaking this story down into smaller, more manageable pieces that can be completed within a single sprint if possible.
- The user story "Reflect the changes of 3D in 2D top view" is completed
- The user story "Real world scenario testing" is completed
- The user story "Cosmetics for the 3D timeline" is completed.
- The user story "Modify the layout of 2D plan page" is completed.

Sprint Analytics



Sprint Design Diagram

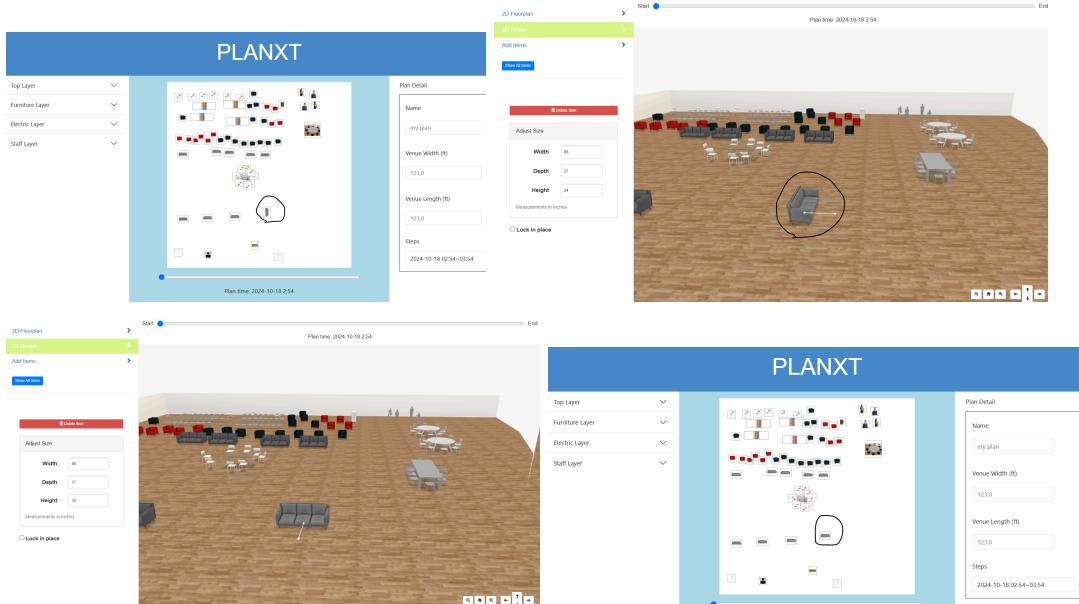
Input Modal in 3D view



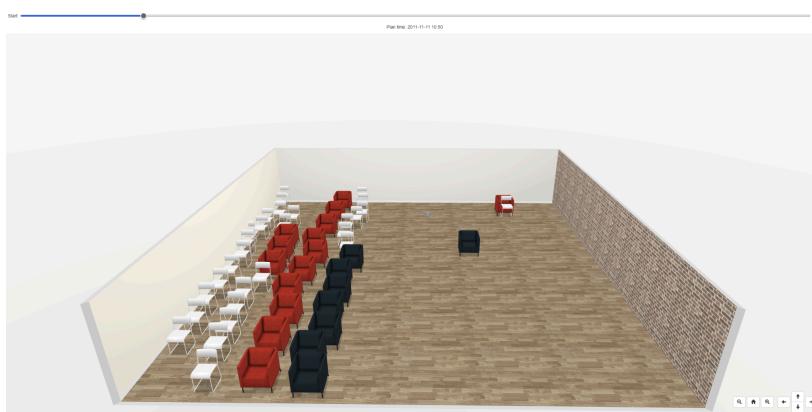
Items Table in 3D view

Name	Item Type	Setup Start	Setup End	Breakdown Start	Breakdown End
Item-1	Chair	2024-10-18 02:54	2024-10-18 03:54	2024-10-18 02:54	2024-10-18 03:54
Item-2	Chair	2024-10-18 02:54	2024-10-18 03:54	2024-10-18 02:54	2024-10-18 03:54
Item-3	Chair	2024-10-18 02:54	2024-10-18 03:54	2024-10-18 02:54	2024-10-18 03:54
Item-4	Chair	2024-10-18 02:54	2024-10-18 03:54	2024-10-18 02:54	2024-10-18 03:54
Item-5	Chair	2024-10-18 02:54	2024-10-18 03:54	2024-10-18 02:54	2024-10-18 03:54
Item-6	Chair	2024-10-18 02:54	2024-10-18 03:54	2024-10-18 02:54	2024-10-18 03:54
Item-7	Red Chair	2024-10-18 02:54	2024-10-18 03:54	2024-10-18 02:54	2024-10-18 03:54
Item-8	Red Chair	2024-10-18 02:54	2024-10-18 03:54	2024-10-18 02:54	2024-10-18 03:54
Item-9	Red Chair	2024-10-18 02:54	2024-10-18 03:54	2024-10-18 02:54	2024-10-18 03:54

Sync rotation in 3D and 2D view



Live timeline bar in 3d



[Back](#) [Save](#) [Preview in 3D](#)

Name	Item Type	Setup Start	Setup End	Breakdown Start	Breakdown End
item-3	Blue Chair	2024-10-19 09:00	2024-10-19 10:00	2024-10-19 19:00	2024-10-19 20:00
item-4	Blue Chair	2024-10-19 08:00	2024-10-19 09:00	2024-10-19 17:00	2024-10-19 18:00
item-5	Blue Chair	2024-10-19 07:00	2024-10-19 07:00	2024-10-19 22:00	2024-10-19 22:00
item-6	Camera	2024-10-19 07:00	2024-10-19 07:00	2024-10-19 22:00	2024-10-19 22:00

Updated UI in 2D plan page

Documentation of Changes

Few UI and backend changes for the dependency feature

Syncing the deletion, rotation, width and height changes between 3D and 2D view

Displaying items table in 3d view
A few UI changes overall for user experience
Live scrolling feature for the timeline bar
A few cosmetic changes for the timeline bar

Legacy Project

No user stories were rewritten and no code was refactored.

Additional User Story Documentation

No additional user story documentation

Code Evaluation

Coverage: 91.41%
Rubocop: 94 files inspected, 93 offenses detected
0 code smells on codeclimate

MVP Customer Meeting Summary

During our MVP meetings, we demoed our new features and had several discussions about the next direction in which to take this application. The client requested several new features and we documented all of the additional functionality in which the client was interested. There were a whole host of features including an online collaboration and access control functionality with the ability to share plans with other users, leave comments on different aspects of the plan, and so on. We also presented a survey of existing floor planning tools at the request of the client, and the client picked his favorite tool and the specific features that he would like to see from these existing commercial applications in our application. However, we set up realistic expectations with the client and picked a few primary user stories to focus on for the next two weeks. Specifically, we want to add all the functionality unique to Tito's vision. The live timeline bar feature is complete, and therefore the next priority is the dependency feature. Minor UI changes have been added as pending user stories. All other changes have been documented, but will not be focused on, at least for the upcoming sprint.

Bdd and tdd

Passes all the cucumber scenarios and rspec examples for the features.