

Sprint 4 Retrospective

Document Date: Nov 22, 2024

Document Status: Completed ▾

Sprint Dates: Nov 9, 2024 to Nov 22, 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 22, 2024 3:00 PM on Zoom

Team Roles

Customer: Tito Chowdhury

Product Owner: Ankitha Prasad

Scrum Master: Mahima Ganni

Developers: Govind Joshi Sai Siva Rohith Tirumalasetti

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	Story Points	Contrib. %
Mahima ...	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 for searching and	3	11.12%

		sorting the items table and creating a table to view the summary of the count of the item.		
Ankitha ...	Product Owner	I led the meeting with the client to make sure all of our accomplishments and questions were discussed. I implemented UI and backend (with database modifications) changes to allow users to add and update item dependencies, as well as a visualization feature that displays these relationships in a popup. Both stories were thoroughly tested, ensuring smooth integration with the existing PlanNxt functionality.	8	29.62%
Sai Siva ...	Developer	I have modified the layout of the 2-D plan page to move the buttons and add scrolling to the items table, added checkboxes to view items on the 2-D plan by selected layers and modified the form which appears while adding or updating an item. I have also worked on automatically updating the timeline of dependent items when changes are made to the start time, duration or end time of the former item and also worked on including the layers feature in 3-D.	10	37.03%
Govind J...	Developer	In order to improve the 2D view and create one consolidated program with both the 2D and 3D views (to prevent the need for	6	22.22%

		implementing the same features twice for both views), I worked on implementing an orthographic camera in the 3D view that would create a top-down 2D projection of the current scene. This would create a 2D view of the same quality as the 3D view with all the corresponding features. I was not able to complete this feature, but made progress on learning how it would be possible to do so. Additionally, I updated the item creation modal in the 2D layout to show the currently selected time on the slider as the item's start and end time.		
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Overall Story Points

Name	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Total Story points	Percentage
Govind...	10	7	3	6	26	25%
Mahim...	10	5	8	3	26	25%
Sai Siv...	13	0	3	10	26	25%
Ankitha...	13	0	5	8	26	25%
Total					104	100%

Notes:

1. The story Real world scenario testing is not as time consuming as expected, so the story points for this have been reduced to 3. (Sprint 3)
2. In sprint 4 Sai Siva Rohith Tirumalasetti implemented an additional feature to enable viewing items on the 2D plan by layers. This feature was added mid-sprint at the client's request. The team agreed to assign the story 5 points. (Sprint 4)

3. In sprint 4 Govind Joshi implemented an additional feature to add an item at the current scroll bar time. This feature was added mid-sprint at the client's request. The team agreed to assign the story 3 points. (Sprint 4)

Sprint Goal

The goals for this sprint were to complete the time dependency feature, which included adding UI for the add dependency feature, populating the database with the dependencies, viewing the dependencies of the selected items, automatically updating the timeline if there are any changes to dependent items. We also wanted to be able to display the count of each type of the items and search and sort the items table.

Sprint Achievements

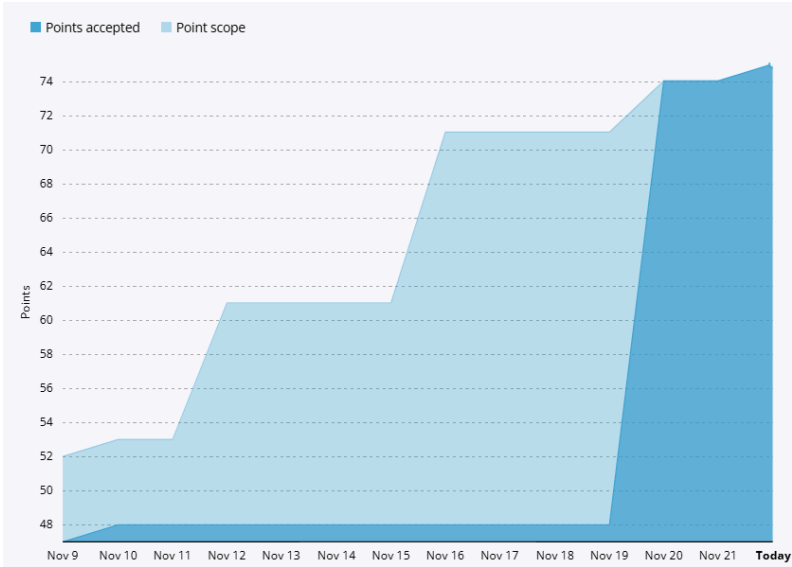
In this sprint, we achieved the following:

- Added the dependency between items and be able to view and edit and delete the items
- View items on 2d plan by layers
- Select the duration of setup and breakdown instead of end times
- Sorting and filtering table in 2d view
- A few UI changes overall for user experience
- Adding a table to display the count of each item

Sprint Backlog items and status

- The user story "Create Dependency between items" is completed.
- The user story "UI and backend Changes for Dependencies" is completed
- The user story "Filtering and search feature for tables" is completed.
- The user story "Dependency Visualization" is completed.
- The user story "Automatic Timeline Updates" is completed
- The user story "Customizable wall shapes and sizes in 2D and 3D"
- The user story "Exploring the possibility of customizable wall shapes and sizes in 2D and 3D" is completed.
- + The user story "Add an item at the current scroll bar time" is completed (This user story was added mid-sprint at the client's request. The team agreed to assign the user story 3 points)
- + The user story "View items on 2-D plan by layers" is completed (This user story was added mid-sprint at the client's request. The team agreed to assign the user story 5 points)

Sprint Analytics



Sprint Design Diagram

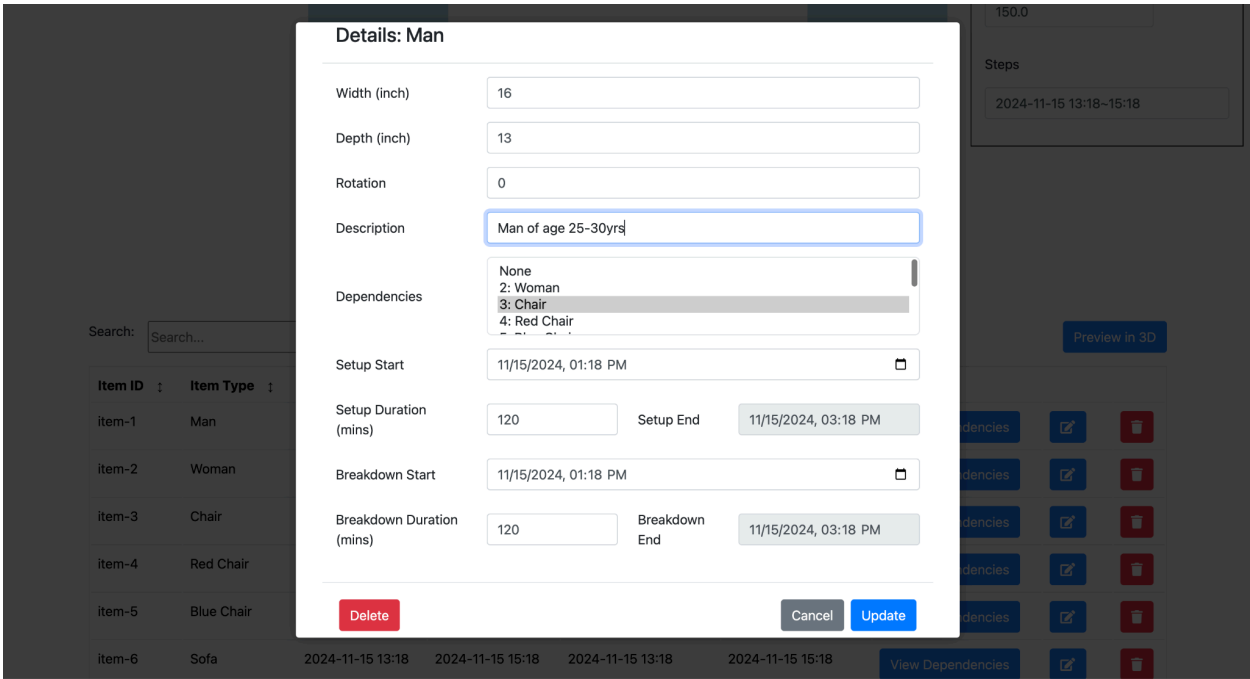
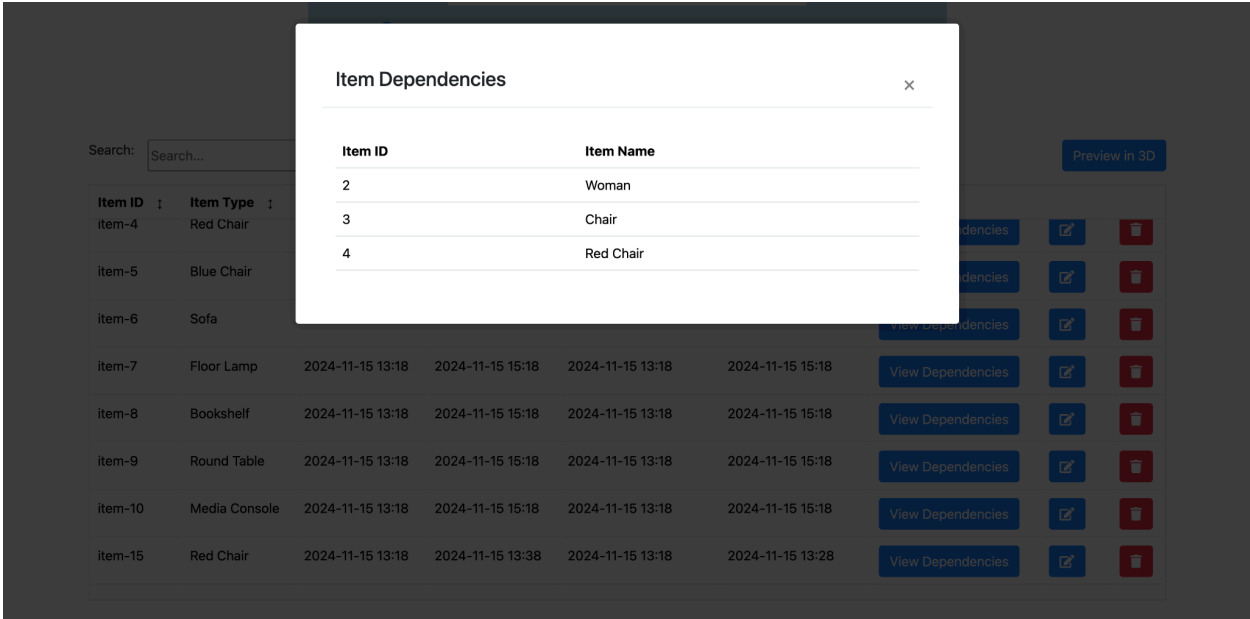
Search:

Back

Save

Preview in 3D

Item ID	Item Type	Setup Start	Setup End	Breakdown Start	Breakdown End			
item-1	Man	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	<div>View Dependencies</div>	<div></div>	<div></div>
item-2	Woman	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	<div>View Dependencies</div>	<div></div>	<div></div>
item-3	Chair	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	<div>View Dependencies</div>	<div></div>	<div></div>
item-4	Red Chair	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	<div>View Dependencies</div>	<div></div>	<div></div>
item-5	Blue Chair	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	<div>View Dependencies</div>	<div></div>	<div></div>
item-6	Sofa	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	<div>View Dependencies</div>	<div></div>	<div></div>
item-7	Floor Lamp	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	<div>View Dependencies</div>	<div></div>	<div></div>
item-8	Bookshelf	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	<div>View Dependencies</div>	<div></div>	<div></div>



150.0

Steps

2024-11-15 13:18~15:18

Confirm Delete

Are you sure you want to delete **Sofa** (ID: 6)?

Cancel

Delete

Search:

Search...

Back

Save

Preview in 3D

Item ID	Item Type	Setup Start	Setup End	Breakdown Start	Breakdown End			
item-3	Chair	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	View Dependencies		
item-4	Red Chair	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	View Dependencies		
item-5	Blue Chair	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	View Dependencies		
item-6	Sofa	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	View Dependencies		
item-7	Floor Lamp	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	View Dependencies		
item-8	Bookshelf	2024-11-15 13:18	2024-11-15 15:18	2024-11-15 13:18	2024-11-15 15:18	View Dependencies		

PLANXT

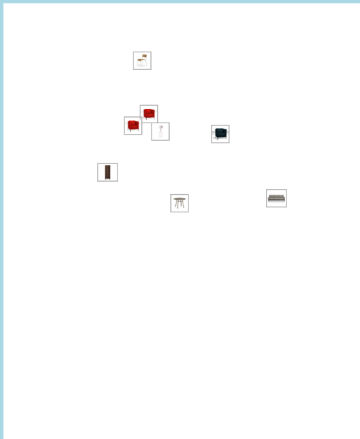
☐ Top Layer

☒ Furniture Layer

☐ Electric Layer

☐ Staff Layer

Show Summary



Plan time: 2024-11-15 13:18

Plan Detail

Name

Demo2

Venue Width (ft)

123.0

Venue Length (ft)

150.0

Steps

2024-11-15 13:18~15:18

☒ Furniture Layer

☒ Electric Layer

☒ Staff Layer

Show Summary

Items List

Name	Count
Man	1
Woman	1
Chair	1
Red Chair	2
Blue Chair	1
Sofa	1
Floor Lamp	1
Bookshelf	1
Round Table	1
Media Console	1

Search:

Item ID

Item Type

Setup Start

Setup End

Breakdown Start

Breakdown End

item-1

Man

2024-11-15 13:18

2024-11-15 15:18

2024-11-15 13:18

2024-11-15 15:18

View Dependencies

Name

Demo2

Venue Width (ft)

123.0

Venue Length (ft)

150.0

Steps

2024-11-15 13:18~15:18

Preview in 3D

Details: Woman

Width (inch)

20

Depth (inch)

17

Rotation

0

Description

Dependencies

10: Chair
11: Chair
12: Chair
13: Red Chair

Setup Start

11/11/2011, 12:25 PM

Setup Duration (mins)

Setup End

mm/dd/yyyy, --:-- --

Breakdown Start

11/11/2011, 12:25 PM

Breakdown Duration (mins)

Breakdown End

mm/dd/yyyy, --:-- --

Cancel

Create

Plan Detail

Name

Venue W

Venue Le

40.0

Steps

2011-1

Plan time: 2011-11-11 12:25

Documentation of Changes

Change the item table to be able to sort the columns and added a search input to search the table

Added a summary table to view the count of each item

Made changes to show the items layer by layer

Added the edit and delete feature to update the item in the table

Added the functionality to add dependency to other items and update and delete them

Made a change to add the item at the current scroll time without having to enter the time again

Made a few UI changes like bring the buttons (preview 3d, back, save) to the top

Legacy Project

No user stories were rewritten and no code was refactored.

Additional User Story Documentation

No additional user story documentation

Code Evaluation

Coverage: 91.52% (205 / 224)

Rubocop: 95 files inspected, 94 offenses detected

228 code smells on codeclimate (B)

Customer Meeting Summary

Customer Meeting Time: Nov 22, 2024 3:00 PM on Zoom

During our meetings, we demoed our new features and had several discussions about the next direction in which to take this application. The client was happy with our progress and all the changes done till now as we had completed the two major features expected for this semester plan - the synchronization of the 2D and 3D view and the dependency feature. He has a few features in mind that the future team could implement 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. He also wanted an additional chat-like feature where he could send the orientation document to the team. All these changes were documented and will be shared with the future team.

Bdd and tdd

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