

Sprint 4 Plan

Date: Nov 8, 2024

Status: In Progress ▾

Team Roles:

- Customer: Tito Chowdhury
- Product Owner: Ankitha Prasad
- Scrum Master: Mahima Ganni
- Developers: Govind Joshi Sai Siva Rohith Tirumalasetti

Customer Meeting Details: Every Friday @ 3PM CST on Zoom

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

Sprint Goal

The goal for this sprint is to add various features related to time dependency to the application. These include adding UI for the add dependency feature, populating the database with the dependencies, view the dependencies of the selected items, automatically updating the timeline if there are any changes to dependent items. We also want to be able to display the count of each type of the items and also be able to download it as a spreadsheet.

Sprint Backlog

The following user stories were pulled into the sprint

- **Feature:** UI and backend Changes for Dependencies
As a PlanNxt User,
So that I can easily establish connections between related items in my schedule,
I want a user-friendly interface to add and update dependencies between items.
 - Points: 5
 - Assigned: Ankitha Prasad
 - Estimated Time: 1 week
- **Feature:** Dependency Visualization
As a PlanNxt User,
So that I can quickly understand the relationships between my schedule items, I want a new button that opens a popup displaying the dependencies of selected items.
 - Points: 3
 - Assigned: Ankitha Prasad

- Estimated Time: 3 days
- **Feature:** Automatic Timeline Updates

As a PlanNxt User,

So that I can maintain consistency in my schedule,

I want the timelines of all dependent items to automatically update when the timeline of a linked item changes.

- Points: 5
- Assigned: Sai Siva Rohith Tirumalasetti
- Estimated Time: 2 weeks

- **Feature:** 3D View Dependency Integration

As a PlanNxt User,

So that I can know the count of each item and also search the items,

I want a table like view with the count, and a search and filter feature in the table

Points: 3

Assigned: Mahima Ganni

Estimated Time: 1 week

- **Feature:** Customizable wall shapes and sizes in 2D and 3D

As a PlanNxt User,

So that I can manually change the venue floor shape,

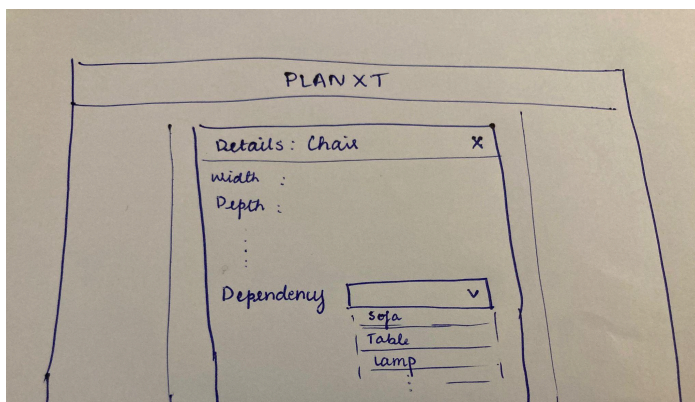
I want to be able to customize the shape of the floorplan instead of being limited to a single rectangular room.

Points: 3

Assigned: Govind Joshi

Estimated Time: 1 week

UI Mockups:



Form giving option to choose the dependency (Add/Update/Delete)

A hand-drawn sketch of a form titled "PLANXT". On the left side, there is a vertical list of four items, each with a downward-pointing arrow (v) next to it. The main area of the form contains a box labeled "Name : Chait" and "DEPENDENCIES". Below this label, there are five numbered lines (1., 2., 3., 4., 5.) for entering dependencies.

Form displaying all the dependencies for an item

A hand-drawn sketch of a form titled "PLANXT". On the left side, there is a vertical list of four items, each with a downward-pointing arrow (v) next to it. The main area of the form is divided into two sections: "Plan Detail" on the right and a larger area on the left. The "Plan Detail" section contains a box with a horizontal line and a dot, representing a dependency. Below the "Plan Detail" section, there is a table with the following columns: Name, Type, Setup Start, Setup End, Breakdown Start, and End. The table contains one row of data with 'x' marks in each column. To the right of the table, there are three small icons: a square, a circle, and a triangle.

Name	Type	Setup Start	Setup End	Breakdown Start	End
x	x	x	x	x	x

Option to view item dependency