

Sprint 3 Plan

Date: Oct 25, 2024

Status: In Progress ▾

Team Roles:

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

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 of this sprint is to add the dependency feature between items. The client expressed a desire for live scrolling functionality in the 3D timeline scrubber developed during this sprint, which would enable real-time updates in the interface. Also, 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.

Sprint Backlog

The following user stories were pulled into the sprint

- **Feature:** Feature: Create Dependency between items
As a PlanNxt User,
So that I can link related items in my schedule,
I want to be able to create a dependency between two items, such as a table and a chair, where one item's time change will automatically update the other based on a time offset.
 - Points: 5
 - Assigned: Ankitha Prasad
 - Estimated Time: 2 weeks
 - Tasks:
 - Create a dependency between the items in the database
 - Add the unit tests to ensure the dependency is being updated correctly
- **Feature:** Real world scenario testing
User Story:

As an event manager who is a user of PlaNXT,
So that I know that the app can perform well in a real world scenario,
I want tests to be done using a huge load with around 500 items

- Points: 5
- Assigned: Mahima Ganni
- Estimated Time: 1.5 week
- Tasks:
 - Add multiple items in the 2d view and check for any latency or problems
 - Add multiple items in the 3d view and check for any latency or problems

- **Feature:** Live scrolling functionality in the 3D timeline

User Story:

As an event manager who is a user of PlaNXT,
So that I can see the real-time updates in the interface,
I want a live scrolling functionality in the 3D timeline scrubber.

- Points: 3
- Assigned: Ankitha Prasad
- Estimated Time: 1 week
- Tasks:
 - Add the live scrolling feature
 - Perform unit tests to ensure that the changes are reflected accurately

- **Feature:** Cosmetics for the 3D timeline

User Story:

As a PlaNXT user,
So that I can see the start and end time of the event,
And and current time of the 3D review,
To get a better understanding of the tasks to be performed at a given time.

Points: 3

- Assigned: Sai Siva Rohith Tirumalasetti
- Estimated Time: 1 week
- Tasks:
 - Add the start and end times of the event at either end of the scrubber.
 - Display the current time of the 3D plan preview.

- **Feature:** Reflect the changes of 3D in 2D top view (from Sprint 2)

User Story:

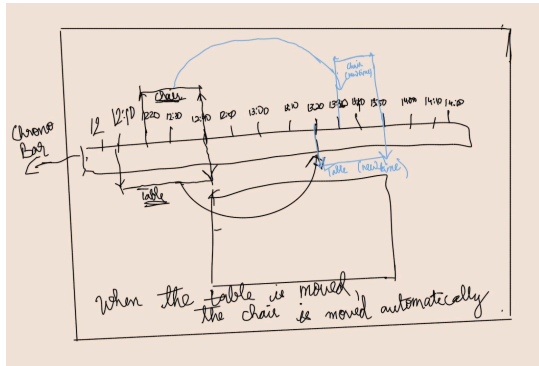
As an event manager who is a user of PlaNXT,
So that I can changes are consistent across all the views,
I want to be able to make changes in the 3D view and see those changes reflected on the 2D top view page.

- Points: 5
- Assigned: Mahima Ganni
- Estimated Time: 2 weeks

- Tasks:
 - Create event listeners that capture changes made in the 3D view and update the database
 - Add the elements to the 2D view using the updated database
 - Perform unit tests to ensure that the changes are reflected accurately

UI Mockups:

Feature: Add dependency between items



Feature: Chronology Bar in 3D Preview

