

## Iteration 2

# PLANNXT

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## Team Roles

1. Amory Doerr 228007537 (Product Owner)
2. Ashish Kumar 633002195 (Scrum Master)
3. Tian Liu 525004380
4. Stefan Wu 733000625
5. Huixin Zhang 331007647

## Work Distribution in Iteration 2

### Bugs fixing

- Deleting plans
  - The ability to delete plans from your account has been restored

### Finished User Stories

- Highlight Items on Canvas on Selected(Stefan Wu)
- AddDays in time planning(Ashish Kumar)



## User Stories in Progress

- Explore 3D Preview features: Huixin Zhang
- Add more symbols to the canvas page, change from line-by-line drawing to pictures (Tian Liu)
- Show details of an item when hovering mouse over the item on canvas (Tian Liu)

## Iteration 2 Report

- Stefan Wu, Ashish Kumar, Huixin Zhang, Tian Liu, Amory Doerr

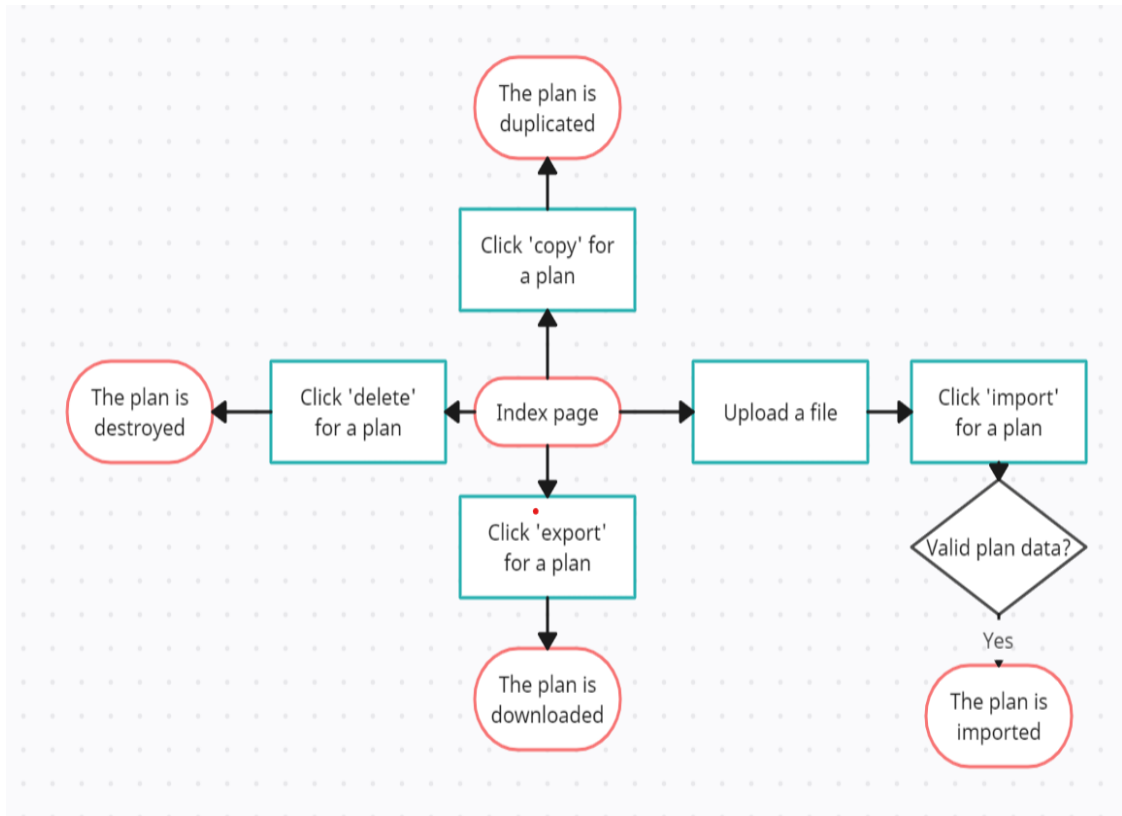
## Customer Demo Meeting

- We meet with the client every Wednesday 1:30 pm - 2:30 pm
- The demo meeting for iteration 2 was on Mar 8th, 2023, 1:30-2:30 pm
- Customer feedback
  - Add feature to enable selecting multiple items and highlight them at the same time
  - Get all the bugs fixed as soon as possible, so can work on more significant features
  - Find out how to make the conversion from 2D floor plan (json files) to 3D preview based on WebGL, such that the 3D preview feature can be deliverable
  - Refer to the NextFolio for code on showing details on hovering mouse over canvas

## User Stories Finished in this Iteration

- Allow importing/exporting plans
  - Add an option to download an existing plan as a file

- Add an option to upload files to copy an existing plan



- Adding dynamic rows/days in plan model
  - Created new db schema for each days/steps
  - Added ability to plan models to have multiple days option
  - Added java script to add dynamic number of days for each plan
  - Updated the data structure passed from update plan model to canvas page
  - Updated navigation of update plan to newly designed dynamic page

## Create a New Plan

ool to setup an event venue – all furniture and staff placements chronologically, and track the actual setup progress re

Plan Name

Event Days: Setup through Breakdown

Start Adding steps by clicking Add Steps

Step-Number	Start Day	Start Time	End Time	Break1Start	Break1End	Break2Start	Break2End
1	10-03-2023	19:48	22:51	20:49	20:49	21:50	21:50

Add Steps

Dimensions of the Venue (approximate):

Feet

Length: 50

Width: 50

OPEN PLAN TEMPLATE

- Wrote TDD for validating new feature

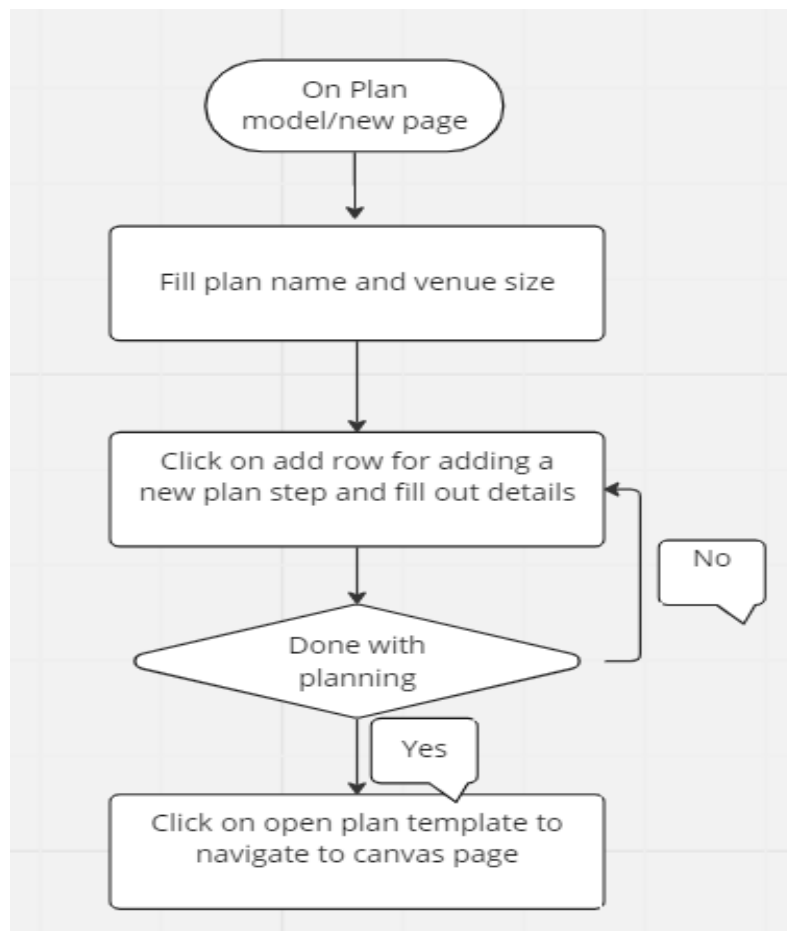
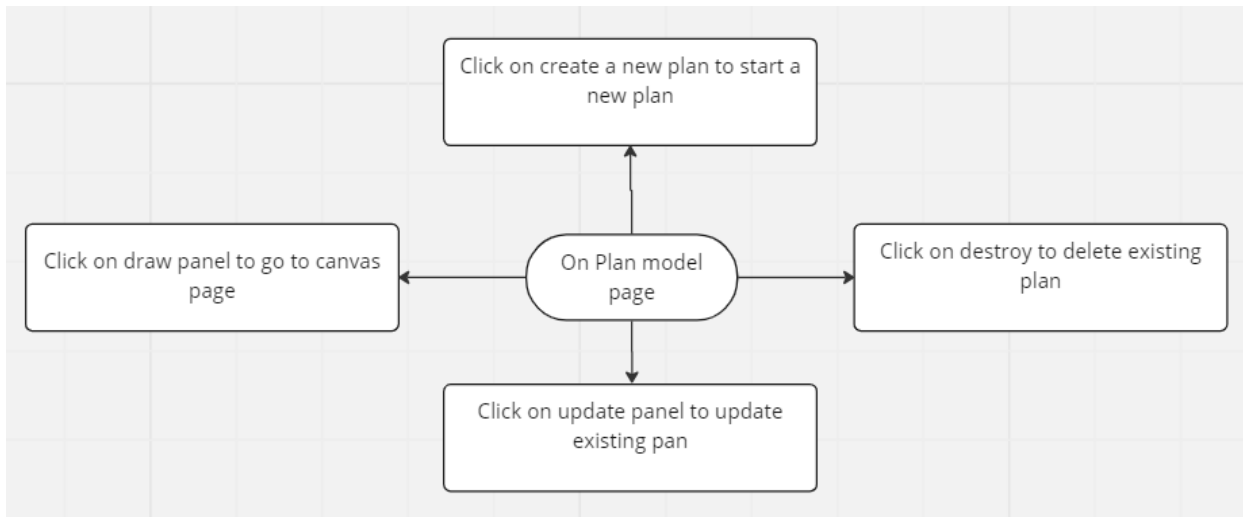
```

Filter chain halted as :require_user_logged_in! rendered or redirected
Completed 302 Found in 40ms (ActiveRecord: 0.0ms | Allocations: 503)
TRANSACTION (0.1ms) ROLLBACK
TRANSACTION (0.1ms) BEGIN
Processing by RegistrationsController#create as HTML
Parameters: {"user"=>{"email"=>"any@email.com", "name"=>"Any Name", "password"=>""}}
TRANSACTION (0.1ms) SAVEPOINT active_record_1
User Exists? (0.5ms) SELECT 1 AS one FROM "users" WHERE "users"."name" = $1
User Exists? (0.2ms) SELECT 1 AS one FROM "users" WHERE "users"."email" = $1
User Create (0.8ms) INSERT INTO "users" ("level", "name", "email", "password", "extra1", "extra2", "extra3", "created_at", "updated_at") VALUES ($1, $2, $3, $4, $5, $6, $7, $8, $9) RETURNING "id"
TRANSACTION (0.2ms) RELEASE SAVEPOINT active_record_1
Redirected to http://test.host/edit_page
Completed 302 Found in 49ms (ActiveRecord: 3.4ms | Allocations: 8693)
TRANSACTION (0.2ms) ROLLBACK
.

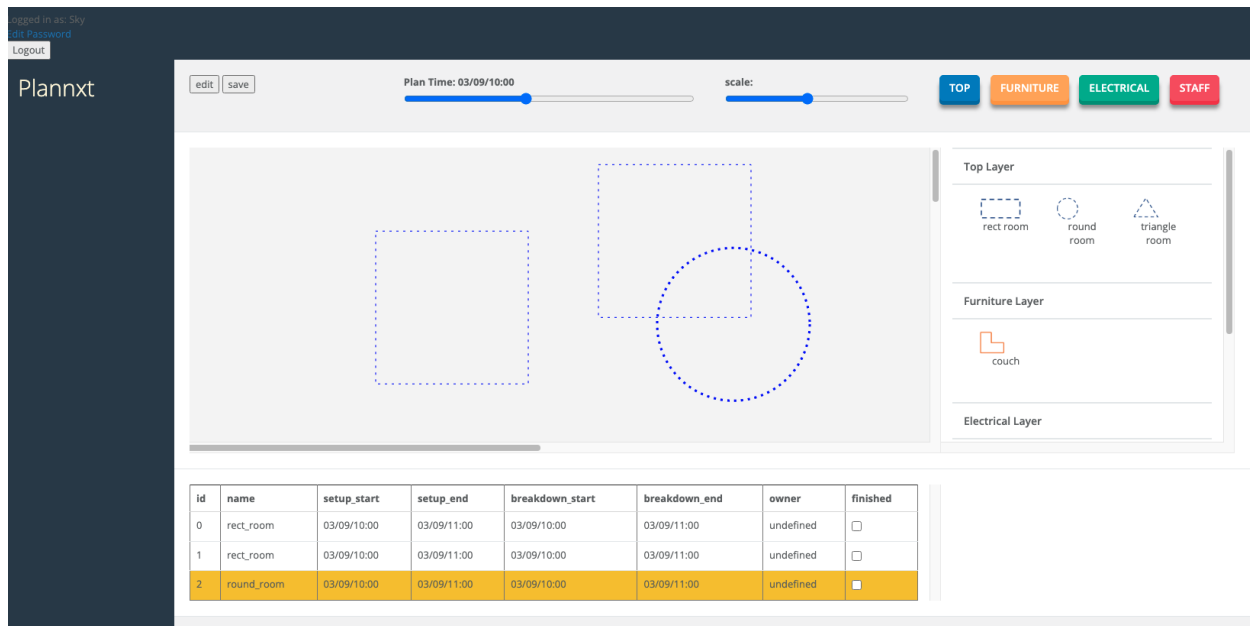
Finished in 0.63106 seconds (files took 6.96 seconds to load)
9 examples, 0 failures

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Page navigation:

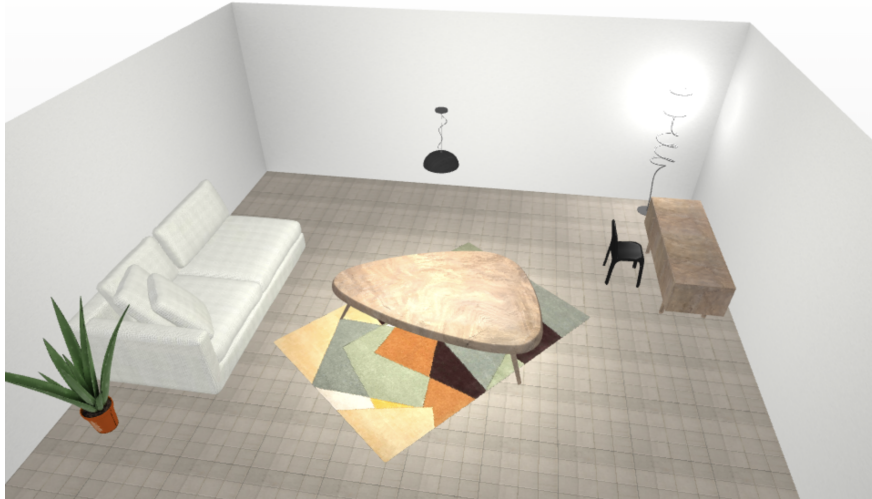


- Highlight the items when clicking on it (Stefan Wu)
- Highlight table rows when clicking the item on canvas (Stefan Wu)



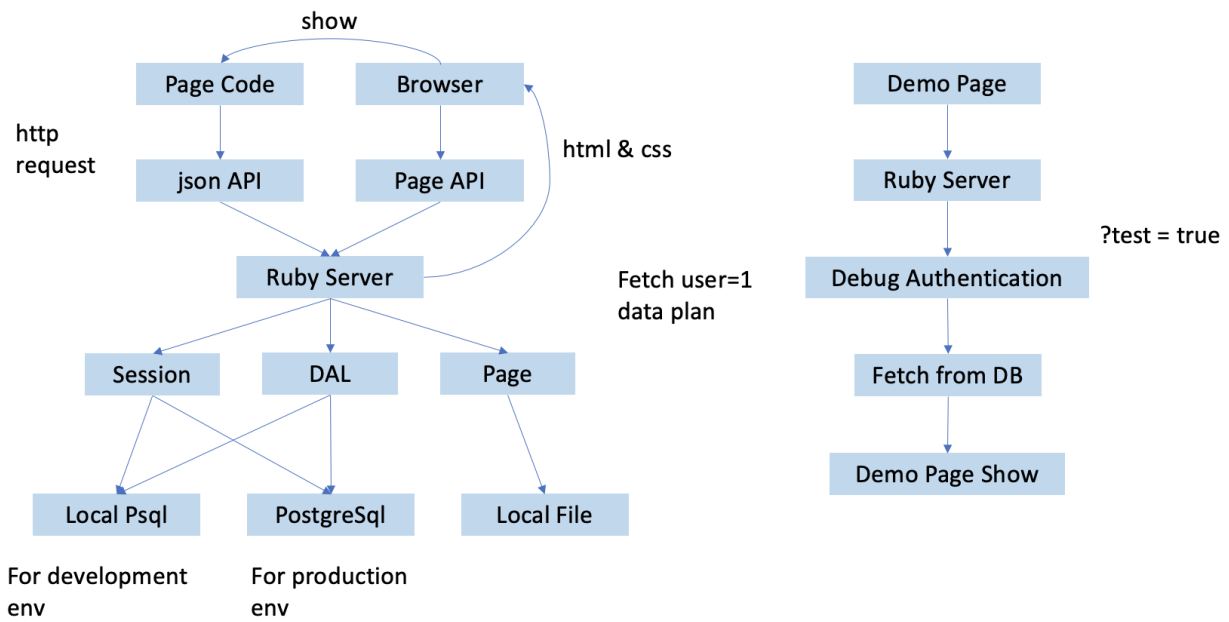
- Explored 3D rendering using WebGL ( Huixin Zhang )
  - Experimental Project
    - Develop tool changed from OpenGL to WebGL.
    - WebGL-based 3D room previewer optimized.
    - Exploring a way to bridge PlanNXT and 3D modeling toolkits.
  - Room planner demo: <https://zhanghuixin1103.github.io/3D-Room/>
  - Preview:

## ROOM PREVIEW



## Design Diagram (UML)

Because this is a legacy project, we used the latest UML diagram from the previous team's report to show the architecture of the Application.





## Evaluations

- The AddDays feature involves significant changes on Ruby code. See the TDD test done above.
- Other features mainly involves HTML, JS code update
- We are working on fixing the Cucumber test bug left by the previous team

## Links

- Heroku deployment: <https://plannxt.herokuapp.com/>
- Pivotal Tracker: <https://www.pivotaltracker.com/n/projects/2632066>
- Github: [https://github.com/tian1327/plannxt\\_Spring2023](https://github.com/tian1327/plannxt_Spring2023)
- Slack: <https://app.slack.com/client/T04MD0D7JUW/C04MD0DA0CW>