Iteration 5

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 5

Bugs fixing

● Improper loading of canvas page (Amory Doerr)

Finished User Stories

● Items Grouping and Formatting (Stefan Wu)
● Items Dependency Check color coding (Stefan Wu, Tian Liu)
● Improvements on canvas page (Tian Liu)

- BDD test for existing registration/session controller (Ashish Kumar)

User Stories in Progress

- Explore 3D Preview features: Huixin Zhang
- Merge 3D Module to PlaNxt

Iteration 5 Report

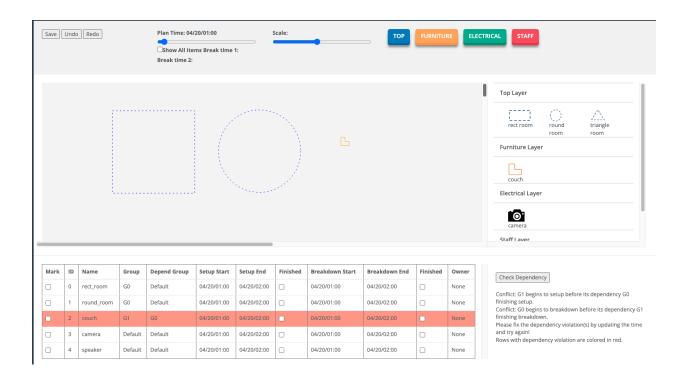- Stefan Wu, Ashish Kumar, Huixin Zhang, Tian Liu, Amory Doerr
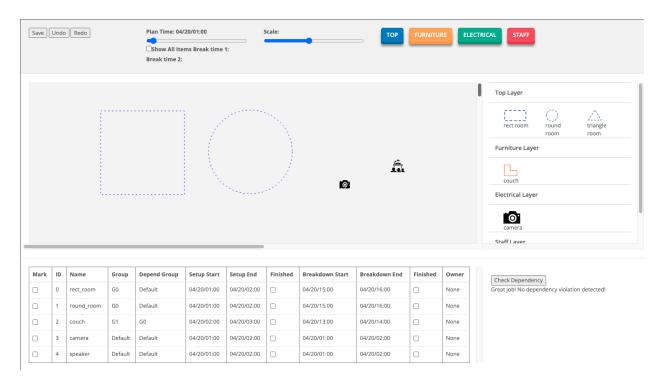
Customer Demo Meeting

- We meet with the client every Wednesday 1:30 pm - 2:30 pm
- The demo meeting to client for iteration 5 was on Apr 26th, 2023, 1:30-2:30 pm
- Customer feedback
  - Integrate 3D preview with the APP
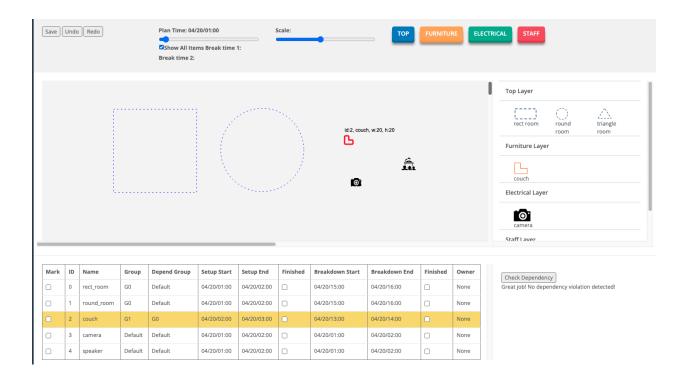
User Stories Finished in this Iteration

- Improvement on Canvas Table (Tian)
  - Remove the "_" between words
  - Add a "Finished Column" for Setup and Breakdown
  - Renamed every PlanNxt to Planxt
- Color coding the rows with conflicting time (Tian)
  - When the user click the "check dependency button", the rows in the table with

    dependency conflict will be highlighted in red

○ After the dependency is fixed, click "check dependency button" again, then no rows should be marked with red

Mark	ID	Name	Group	Depend Group	Setup Start	Setup End	Finished	Breakdown Start	Breakdown End	Finished	Owner
☐	0	rect_room	G0	Default	04/20/01:00	04/20/02:00	☐	04/20/01:00	04/20/02:00	☐	None
☐	1	round_room	G0	Default	04/20/01:00	04/20/02:00	☐	04/20/01:00	04/20/02:00	☐	None
☐	2	couch	G1	G0	04/20/01:00	04/20/02:00	☐	04/20/01:00	04/20/02:00	☐	None
☐	3	camera	Default	Default	04/20/01:00	04/20/02:00	☐	04/20/01:00	04/20/02:00	☐	None
☐	4	speaker	Default	Default	04/20/01:00	04/20/02:00	☐	04/20/01:00	04/20/02:00	☐	None

Check Dependency

Conflict: G1 begins to setup before its dependency G0 finishing setup.
Conflict: G0 begins to breakdown before its dependency G1 finishing breakdown.
Please fix the dependency violation(s) by updating the time and try again!
Rows with dependency violation are colored in red.

Mark	ID	Name	Group	Depend Group	Setup Start	Setup End	Finished	Breakdown Start	Breakdown End	Finished	Owner
☐	0	rect_room	G0	Default	04/20/01:00	04/20/02:00	☐	04/20/15:00	04/20/16:00	☐	None
☐	1	round_room	G0	Default	04/20/01:00	04/20/02:00	☐	04/20/15:00	04/20/16:00	☐	None
☐	2	couch	G1	G0	04/20/02:00	04/20/03:00	☐	04/20/13:00	04/20/14:00	☐	None
☐	3	camera	Default	Default	04/20/01:00	04/20/02:00	☐	04/20/01:00	04/20/02:00	☐	None
☐	4	speaker	Default	Default	04/20/01:00	04/20/02:00	☐	04/20/01:00	04/20/02:00	☐	None

Check Dependency

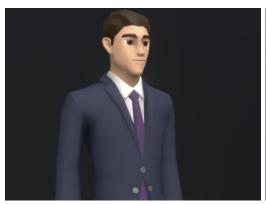Great job! No dependency violation detected!

- Add the "Show all items" checkbox (Tian)
  - Once the user finished editing the setup and breakdown time, some item will disappear from the canvas page
  - If we click the checkbox, then all items under different time period will show up in the canvas

- Merge 3D module to PlaNxt
  - 3D module Huixin has been working on was independent to PlaNxt
  - Now it

- Progress on 3D Preview using WebGL (Huixin Zhang)
  - Experimental Project
    - Develop tool: WebGL with JavaScript
    - WebGL-based 3D Room Previewer and 2D Floor Planner.
  - Merge the 3D preview module in our PlanNXT
    - Clicking the *Preview in 3D* button on the canvas page leads to a new tab that renders the 3D stuff.
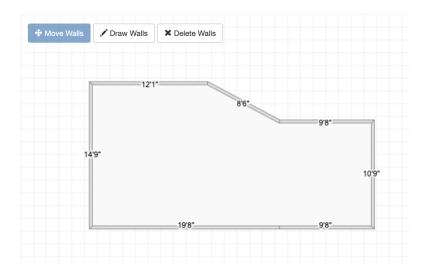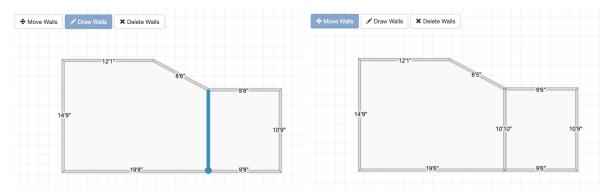 - Add essential varieties of 3D models for event planning
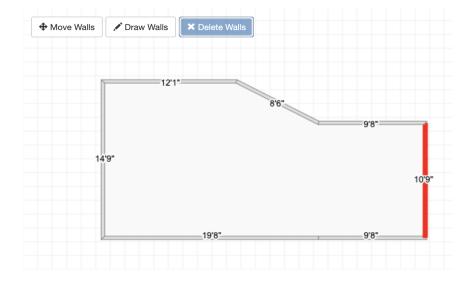   - Staff (Man & Woman)

    - Camera and Podium

    - Pairs of table and chairs
  - 2D Floor Plan:

○ 3D Preview:

- Make the entire website look and feel consistent and intuitive
    - Users should understand how to navigate each page
    - The design must match across the application

User Stories to Implement

- Event360 Oauth
    - Collaboration is underway to implement SSO across FashioNXT applications

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.

The first diagram (left) shows the application architecture:
- **show** connects **Page Code** and **Browser**
- **http request** from Page Code
- **Page Code** → **json API**; **Browser** → **Page API**
- **html & css** between Browser and Ruby Server
- **json API** and **Page API** → **Ruby Server**
- **Ruby Server** → **Session**, **DAL**, **Page**
- **Session** and **DAL** → **Local Psql** and **PostgreSql**
- **Page** → **Local File**
- **Local Psql**: For development env
- **PostgreSql**: For production env
- **Fetch user=1 data plan**

The second diagram (right):
- **Demo Page** → **Ruby Server** → **Debug Authentication** → **Fetch from DB** → **Demo Page Show**
- **?test = true**

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
- Rspec/Cucumber test result for AddSteps feature and existing ones (Ashish Kumar)
- Increased test coverage from 57% to 78% by writing test cases for existing and new features. Contains both rspec and cucumber test cases result
- Few features are invoked by java script, so not easy to validate

```
17 scenarios (17 passed)
253 steps (253 passed)
0m10.444s

  Share your Cucumber Report with your team at https://reports.cucumber.io

  Command line option:     --publish
  Environment variable:    CUCUMBER_PUBLISH_ENABLED=true
  cucumber.yml:            default: --publish

  More information at https://cucumber.io/docs/cucumber/environment-variables/

  To disable this message, specify CUCUMBER_PUBLISH_QUIET=true or use the
  --publish-quiet option. You can also add this to your cucumber.yml:
  default: --publish-quiet

Coverage report generated for Cucumber Features, RSpec to /mnt/c/Users/ashis/Documents/SE_projec
262 LOC (78.24%) covered.
```
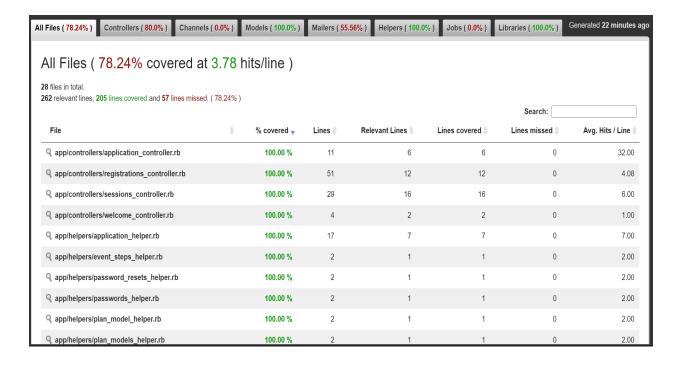
All Files (78.24%) Controllers (80.0%) Channels (0.0%) Models (100.0%) Mailers (55.56%) Helpers (100.0%) Jobs (0.0%) Libraries (100.0%)   Generated 22 minutes ago

All Files (78.24% covered at 3.78 hits/line)

28 files in total.
262 relevant lines, 205 lines covered and 57 lines missed. (78.24%)

Search:

File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
app/controllers/application_controller.rb	100.00 %	11	6	6	0	32.00
app/controllers/registrations_controller.rb	100.00 %	51	12	12	0	4.08
app/controllers/sessions_controller.rb	100.00 %	29	16	16	0	6.00
app/controllers/welcome_controller.rb	100.00 %	4	2	2	0	1.00
app/helpers/application_helper.rb	100.00 %	17	7	7	0	7.00
app/helpers/event_steps_helper.rb	100.00 %	2	1	1	0	2.00
app/helpers/password_resets_helper.rb	100.00 %	2	1	1	0	2.00
app/helpers/passwords_helper.rb	100.00 %	2	1	1	0	2.00
app/helpers/plan_model_helper.rb	100.00 %	2	1	1	0	2.00
app/helpers/plan_models_helper.rb	100.00 %	2	1	1	0	2.00

Links

- Heroku deployment: https://planxt.herokuapp.com/

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- Pivotal Tracker: https://www.pivotaltracker.com/n/projects/2632066

- Github: https://github.com/tian1327/plannxt_Spring2023

- FashioNxt github: https://github.com/FashioNXT/planxt

- Slack: https://app.slack.com/client/T04MD0D7JUW/C04MD0DA0CW

- Project tracking sheet:

  https://docs.google.com/spreadsheets/d/1fuGQ4pq3e9oblH8lAyWd6LOM0U-9pO_DMsep

  nc7uj2A/edit#gid=1557543451