

Sprint 3 Retrospective

1. Deployed App

Taiga (project page): <https://tree.taiga.io/project/aaronjones05-block-scheduler/wiki/home>

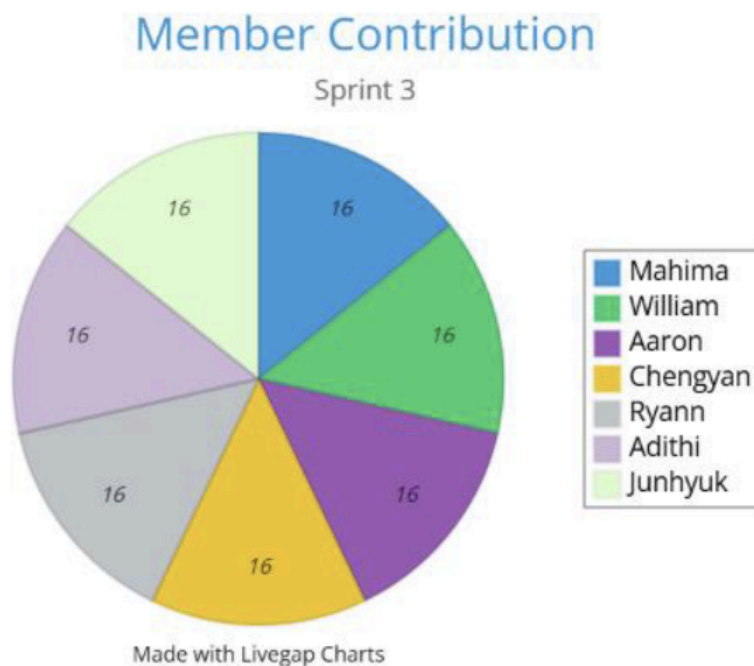
Github Repo: <https://github.com/tamu-edu-students/EA-Block-Scheduling>

Deployed App: <https://ea-block-scheduler-4fec886e389.herokuapp.com/>

2. Dates of the Sprint

08th Nov 2024 to 22nd Nov 2024

3. Information about Team and Member Contributions



4. Sprint Goal

By the end of this sprint, we will have fully developed admin and user dashboards with bugs fixed and UI enhanced. We will create a final database schema and ER diagram for the application. We will complete the implementation of the algorithm to generate blocks and verify the logic and the working of it with the client.

5. Sprint Achievements Finished User Stories:

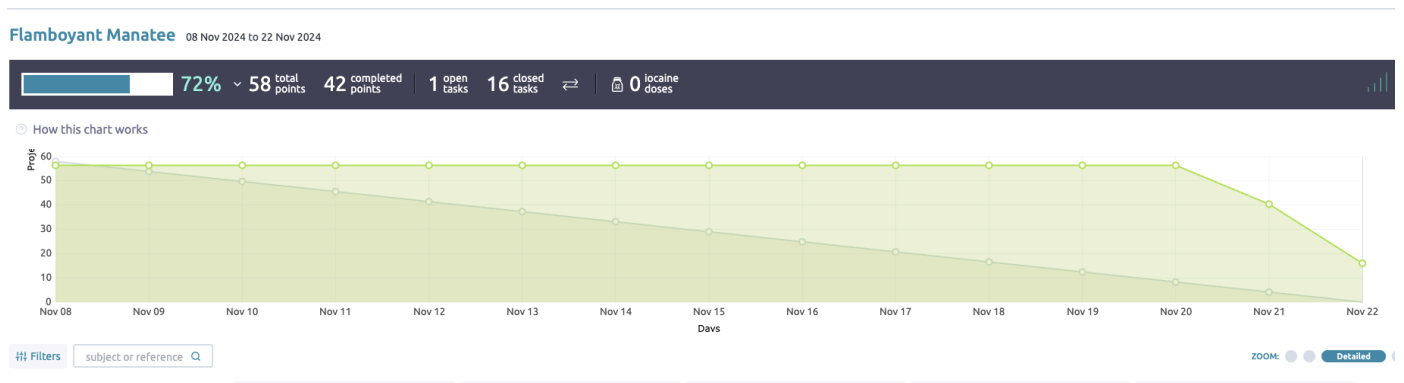
1. Handling invalid user login
2. Enhanced UI
 - header and footers fixed.
3. Added a navbar for the dashboard
 - to upload, view students, my profile section etc.
 - View for courses, splash page, navbar, footer.

4. Created database schema and ER diagram
 - Generated a pdf as well explaining it
5. Created pages controller to handle user routing and welcoming.
6. Bug fix on file parser.
 - Updated rspec and cucumber to match changes made.
7. Adding and populating two columns in the course table in db
 - Redesigning and testing the course controller
 - Fixing the seeding.
8. Gemfile fixes and changed user role setting to pass the brakeman check.
9. Block generation algorithm
 - Setting block generating conditions
 - Setting typical classes grouping on the web
 - Generating possible blocks and displaying it in the UI
 - User picking classes

6. Sprint Backlog Items and Status

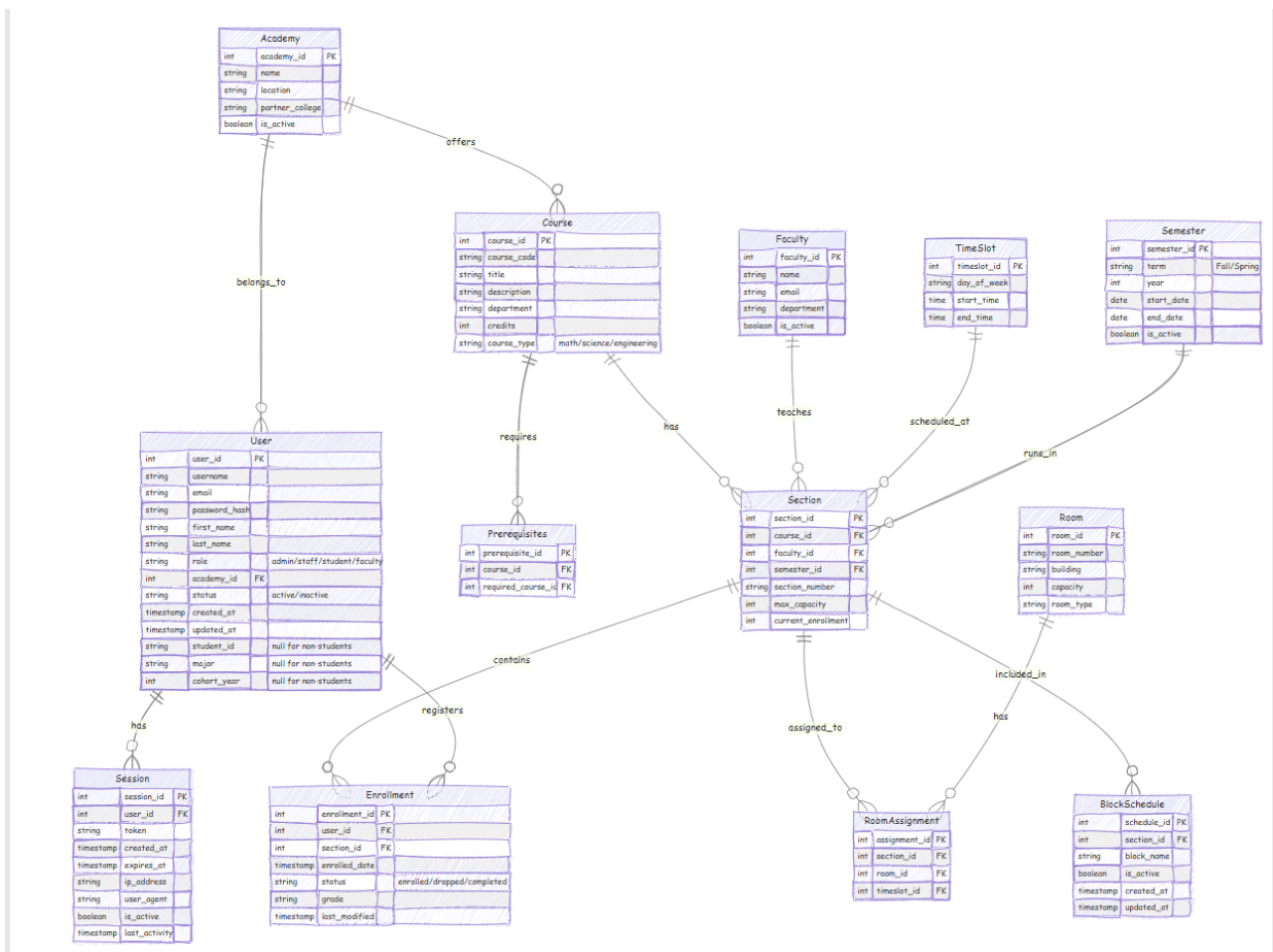
1. **Ready for test** : Displaying blocks based on user status - whether 1st year or 2nd year
 - To display only those blocks corresponding to the academic year of the enrollment.

7. Burndown Chart

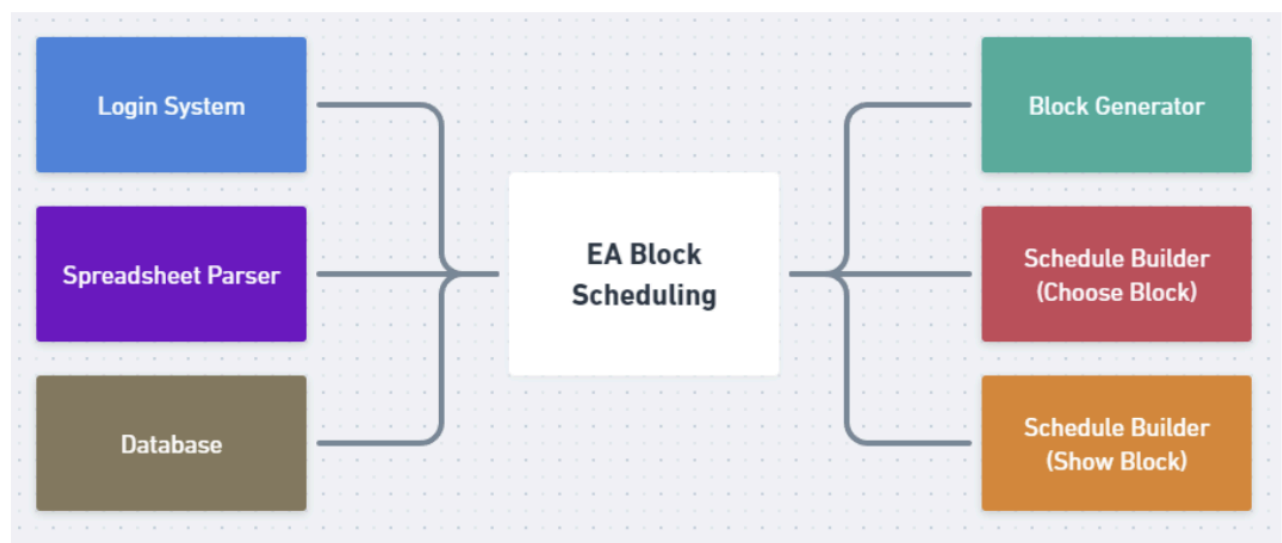


8. Design Diagrams

ER Diagram



System Structure:



9. Evaluations of Code and Test Quality Test:

Cucumber

```
20 scenarios (20 passed)
126 steps (126 passed)
0m4.206s

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/Chengyan Tsai/Desktop/CSCE606/EA-Block-Scheduling/coverage.
Line Coverage: 100.0% (262 / 262)
max@DESKTOP-31C5500:/mnt/c/Users/Chengyan Tsai/Desktop/CSCE606/EA-Block-Scheduling$
```

Rspec

```
● (3.9.7) adithisrinath@localhost EA-Block-Scheduling % bundle exec rspec
.....

Finished in 0.96218 seconds (files took 1.31 seconds to load)
91 examples, 0 failures

Coverage report generated for Cucumber Features, RSpec to /Users/adithisrinath/Downloads/EA-Block-Scheduling/coverage.
Line Coverage: 100.0% (76 / 76)
○ (3.9.7) adithisrinath@localhost EA-Block-Scheduling %
```

Code Quality:

<https://codeclimate.com/github/tamu-edu-students/EA-Block-Scheduling>

11. Customer Meeting

Reviewing progress with Shana (client) Online meeting Nov 21st

- Demo of :-
 - Admin view
 - Navbar and enhanced UI features
 - Block schedules
 - UI of blocks that are generated
- Key takeaway from meeting.
 1. trace user's status which class is already taken
 2. showing page by time slot to generated blocks

12. BDD & TDD

Cucumber scenarios and rspec examples have covered all features developed in this iteration.