Sprint 1 Retrospective

Team Members

Client: Shana Shaw
Project Owner (Sprint 1): Sai Patibandla
Scrum Master (Sprint 1): Arunima Chowdhury
Developer (Sprint 1): Joseph Cisneros, Zengqi Liu
Team Meetings: Monday, Wednesday, Friday after class (12.30 pm)

Sprint Date: 01/31/2025 - 02/14/2025

Links

Deployed App:

https://ea-block-scheduling-68f7266eed53.herokuapp.com/

Project Board:

https://github.com/users/patibas-tamu/projects/2

Github Repo:

https://github.com/patibas-tamu/EA-Block-Scheduling?tab=readme-ov-file
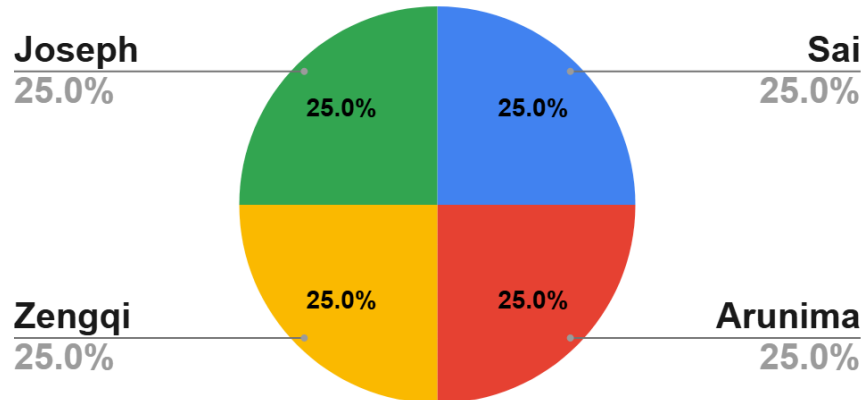
Contributions

Contribution

Zengqi:
- Spent time on understanding the frontend logic and designing the new block selection part.
- Created UI mockup for the block selection
- Currently working on building the UI for the block selection part on the student side.

Joseph:
- Spent most of his time learning the codebase and finding out how to build and log into the app locally as an admin.
- Created UI mockup and the UI for the bulk insert in the admin side.
- Added an upload element to the frontend for importing new users.

Sai:
- Spent most of the time looking through the codebase and understanding different functional components.
- Created the UI mockup for the course registration page for students
- Worked on creating a form for students to register for courses and deploying the application to heroku

Arunima:
- Spent time on understanding the existing codebase and running the app locally.
- Worked as scrum master, documented everything and facilitated meetings
- Currently working on creating the UI for the Student login and homepage.

Sprint 1 Information

Sprint Goal:

- Analyze the existing codebase
- Create user stories
- Create the UI mockups for each of the user stories
- Make basic UI for each of the user stories
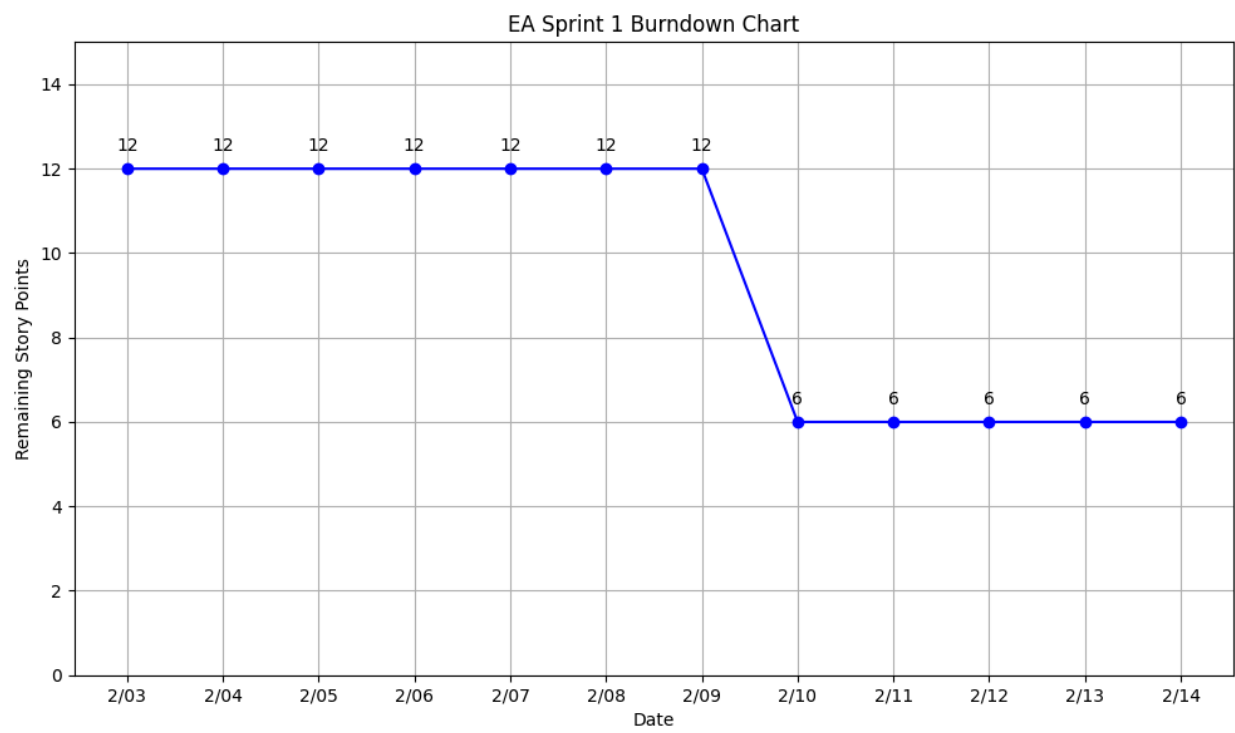- Deploying the App to Heroku

Sprint Achievements:

- Every team member has been able to analyze the existing codebase, and are able to run the project locally. There were some issues with the login which will be worked on in subsequent sprints.
- User stories were created after discussing with the customer. For each of the user stories, a UI mockup has been created. Mockups were discussed with the customer and got approved by the customer.
- The team decided to work on the UI for the 4 user stories. Two of those UI have been completed. (The UI for admins to be able add students as bulk insert and the course registration page for students so that they can register for courses.)
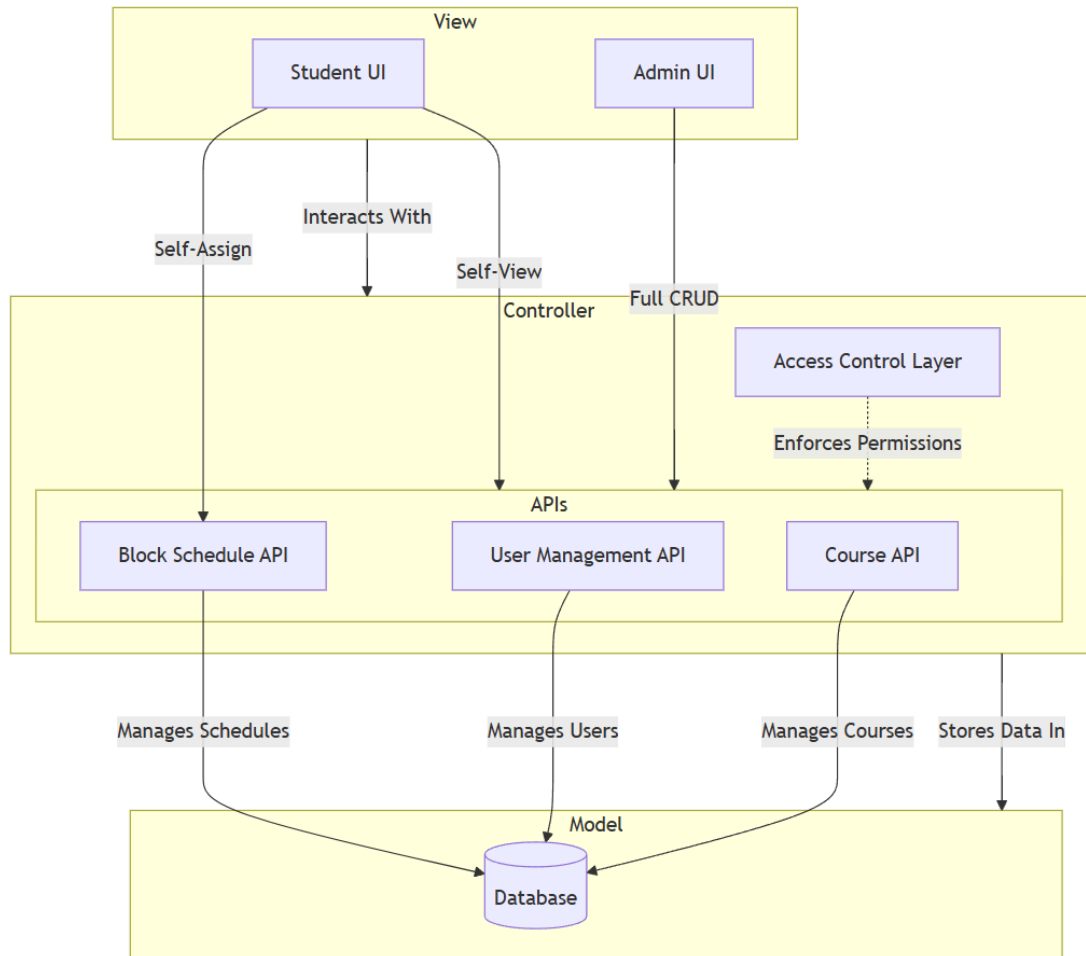- App has been deployed to Heroku

Sprint Backlog Items and Status:

- *** Two of the UI needs to be completed:**
  - There were initially some issues with running the code. Moreover, the team mostly focused on looking through the existing codebase and discussed what needs to be changed and what could be kept. The UI creation for the Student Login and homepage, and block selection have been pushed for Sprint 2. It will be completed in the next iteration.

Burndown Chart

EA Sprint 1 Burndown Chart

Design Diagram

Documentation of Changes

- The logic for the block creation needs to be changed as suggested by our customer
  - This will be on the backlog for the next sprint
- There was a slight change in the lo-fi UI mockup for the Student Homepage, initially the homepage mockup had 3 buttons, "View Courses", "Register" and "View My Schedule". The customer didn't want the "View Courses" option. So we removed it.

Evaluations of Code and Test Quality

Cucumber test

```
0m2.848s

  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 to /Users/saipatibandla/Desktop/dev/EA-Block-Scheduling/coverage.
Line Coverage: 87.85% (253 / 288)
saipatibandla@Sais-MacBook-Pro-2 EA-Block-Scheduling %
 *  History restored
```

Rspec test

```
saipatibandla@Sais-MacBook-Pro-2 EA-Block-Scheduling % bundle exec rspec
.........................................................................

Finished in 0.88951 seconds (files took 1.55 seconds to load)
98 examples, 0 failures

Coverage report generated for RSpec to /Users/saipatibandla/Desktop/dev/EA-Block-Scheduling/coverage.
Line Coverage: 93.24% (69 / 74)
```

Customer Meeting

02/06/2025
Online Via Zoom

Summary: We showed the UI mockups to the customer. She approved most of the designs. She also suggested a slight change for one of the UI mockups. We told her that we were going to work on the UI creation for the mockups. We mentioned that the existing deployed app was not working and she suggested we contact the previous team members about it.

02/12/2025
Online Via Zoom

Summary: We showed her the deployed app and updated her about the communication with the previous team. We also updated her about the progress of the Sprint 1. She showed us spreadsheets of the students and what information is contained in it. She also told us to think about how the students would see the Student section of the app and told us to work on the logic for block generation so that the app doesn't create too many blocks. We discussed our planning for Sprint 2 with her.

BDD and TDD

We implemented BDD and TDD practices by writing new Cucumber tests to cover all the new UI changes, ensuring that the application meets user requirements.