

# Sprint 2 Plan

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## Team Roles

Product Owner: Abel Gizaw

Scrum Master: Wahib Kapdi

## Customer Meeting

1:45 PM 16<sup>th</sup> September 2024

Place: PETR 102B

## Customer Meeting details

Discussing the DB and Application Design with the Client.

Showed the client figma designs

- Try to add course schedule-locking mechanisms
- Generate somewhat different schedules for every play
- Allow removal and addition of courses from the same place
- Look into converting labs into sections
- Try moving the scheduling page together with the viewing page.

Showed the client our DB Design

- Suggested we allow multiple schedules for the same semester
- Try timeslot storage
- Try generalizing relations further

Reminded him to send the data for analysis and algorithm generation purposes.

## Sprint Goals

Our Sprint 2 goals are to get the skeleton UI running for the application alongside a preliminary version of the constraint solver algorithm. In further iterations, we will look into perfecting and allowing user input for the algorithm. Also, the user won't be able to export a schedule in the required CSV format. This will be taken care of in the next sprint.

This includes the following tasks

1. Create a proper header for the application
2. Analyse the new data
3. Clarify the doubts regarding the data with the client
4. Create a Landing Page with a schedules metadata table.
5. Create a Schedule creation/editing form.
6. Create a Room List View
7. Create a Course List View
8. Create an Instructor List View
9. Create a Time Slot View
10. Setting up a proper database and relations.

## User Stories this Sprint

For this sprint, we have decided on roughly 2 points per person.

Here is the table containing the user stories and who they are assigned to.

Story Title	Points	Assigned to
User should be able to see the room view <ul style="list-style-type: none"><li>• Create the page for /room</li><li>• Write test cases</li></ul>	1	Wahib Kapdi
User sees a landing page with an overview of the given schedule <ul style="list-style-type: none"><li>• Create the page for /home</li><li>• Write test cases</li></ul>	3	Navya Unnikrishnan
User should be able to see the Header Bar and Logout from there <ul style="list-style-type: none"><li>• Create the helper for the header bar</li><li>• Write test cases</li></ul>	1	Wahib Kapdi
User should be able to see the Time Slot View <ul style="list-style-type: none"><li>• Create the page for /times</li><li>• Write test cases</li></ul>	1	Pavithra Gopalakrishnan
User should be able to see the Instructor's View <ul style="list-style-type: none"><li>• Create a page for /instructors</li><li>• Write test cases</li></ul>	2	Navya Nandimandalam
User should be able to see the Courses View <ul style="list-style-type: none"><li>• Create a page for /courses</li><li>• Write test cases</li></ul>	2	Abel Gizaw
Research and Implement constraint-optimization algorithm v0 <ul style="list-style-type: none"><li>• Analyse user data and start working on the algorithm</li><li>• Have preliminary version for the algo ready</li><li>• Showcase it to the client</li></ul>	3	Colby Endres, Yuqi Fan

<ul style="list-style-type: none"> <li>Look into ways to automate the testing of the algorithm.</li> </ul>		
User should be able to upload data as CSV files <ul style="list-style-type: none"> <li>Develop clean algorithm</li> <li>Write test cases for it.</li> </ul>	1	Yuqi Fan
Link Github and Pivotal Tracker <ul style="list-style-type: none"> <li>Add integration on pivotal tracker</li> </ul>	1	Pavithra Gopalakrishnan

## Backlog

Change	Story	Points
+	Look into drag n drop functionality	1
+	User should be able to lock stories to time slots	2
+	User should be able to generate a schedule by clicking on time slot	2
+	User should be able to hide good to have courses from the generator	2

## Links

Deployed App: <https://faculty-teaching-assignment-31f5f9c405bc.herokuapp.com/>

GitHub Repo: <https://github.com/tamu-edu-students/Faculty-Teaching-Assignment>

Pivotal Tracker: <https://www.pivotaltracker.com/n/projects/2721604>

Slack: <https://tamu.slack.com/archives/C07PA043PA7>