Reflection Report

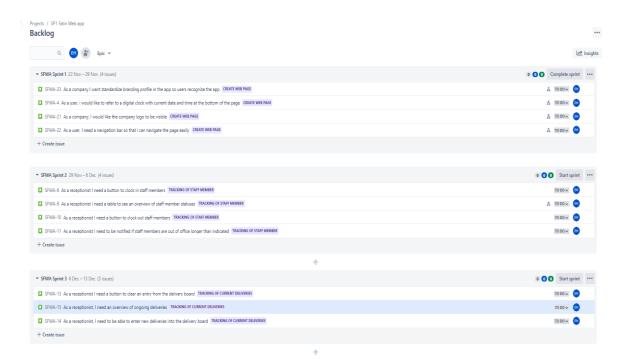
Introduction

In this report I will be giving a summary of how the project task were handled. First, I will explain the process of managing the project and then elaborate on each sprint, explaining different choices that were made and challenges in the sprints. I will also insert some screenshots of the project management progress, explain the difficulties of tasks and how I achieved the results. Lastly, I will talk about what I've experienced in this process.

The process of managing project

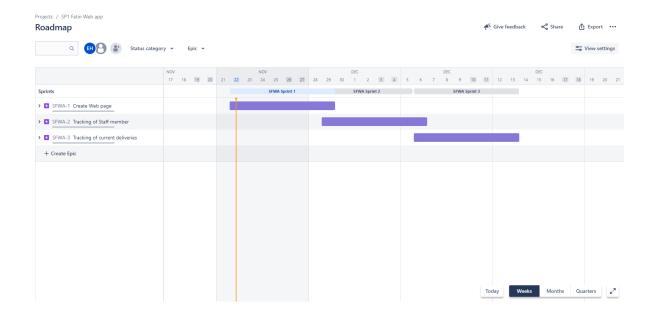
At the beginning the project, after reading through the requirements from the client, I started noting down the key points of the requirements and gathered all the given criteria into one document as Pre-Jira stage. Then I sorted all the requirements into 3 categories naming them as "Epic 1 - Creating the webpage", "Epic 2 - Staff member" and "Epic 3 - Delivery driver". For all these 3 Epics I made user stories, main tasks and subtasks. This was divided into three by following the examples and diagram given by the client as a rough guide made for the whole project before starting the process.

In Jira it looked like this:



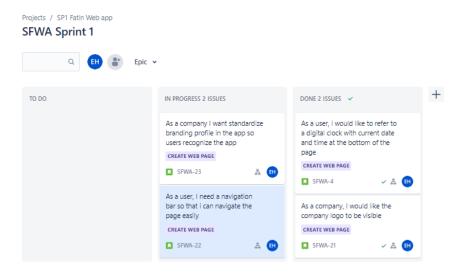
The project was given for four weeks due. Although this was just an estimation in the beginning of the process phase, I decided to set the tasks into three sprints corresponding to the epics. One week per sprint as shown above with sprint 1 already started. By doing this, I was able to better optimize my workflow in the project. This way I could focus on solving only the different tasks for each epic at a time.

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Epic 1- Creating the webpage

This epic was made to cover the general set up of the webpage, like the branding profile, digital clock, navigation bar and logo. I started off with creating the website and the elements that were under sprint 1 (22.11.2022 – 28.11.2022). I created the CSS file for the project with all the basic element styles from the given branding profile. Everything went as planned and all tasks were executed within less than a week.

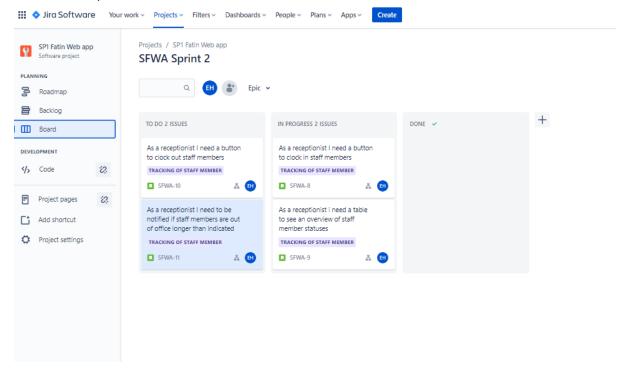


Epic 2- Staff member

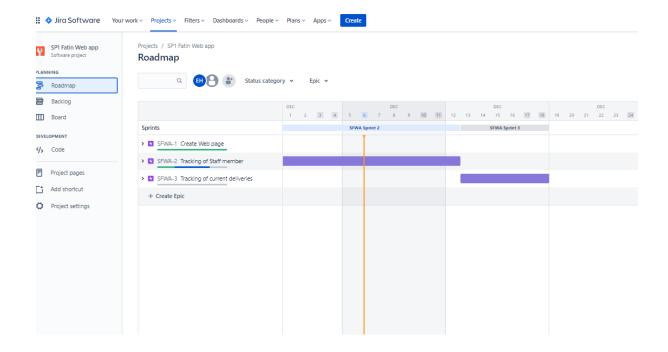
This epic was made to cover all the relevant functionality necessary for working with the staff members. It included buttons for clocking in and out staff members, the toast functionality for notifying, the table for the staff members and functionality for populating it.

In sprint 2(30.11.2022-12.12.2022), I had to change the start date and extend the sprint because I had fallen sick. This was one of the set-backs during the process of making the web application. I also had to move the date for sprint 3 due to this reason and some issues I have been struggling with during the process. Date changes as shown in the roadmap below.

Working with table and inserting the fetch of random users was one of the difficult challenges and I also struggled with handling date and time with JavaScript. I used most of the hours and days searching for solutions by understanding the HTML, logic of math, JavaScript and how jQuery works. It was very overwhelming for me. Of all the sprints, sprint 2 was most difficult to solve and took the most time to complete. I managed to solve sprint 2 by seeing examples I've written before, going back to the topics we have covered so far in this semester and a lot of research on the internet.



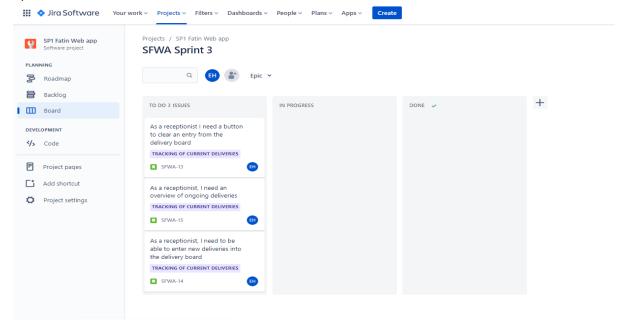
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Epic 3- Delivery driver

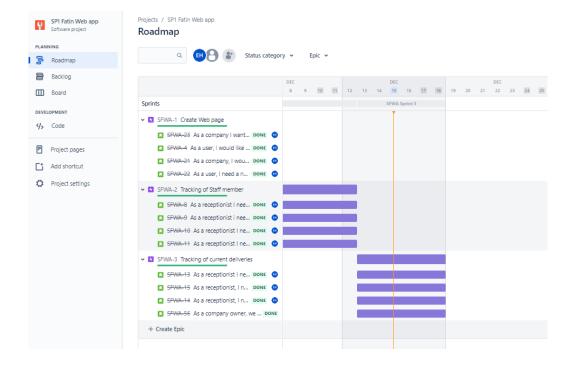
This epic would cover most of the same functionality as the previous epic, but for the delivery dashboard. It included a button for clearing entries, input field to add new entries and the table itself for giving an overview. It also included the same toasting functionality as epic 2, and here I both reused and unified some of the code from epic 2.

In sprint 3 (13.12.2022-15.12.2022), it was less challenging on the table part of the process as I had learned a lot already from sprint 2. The main difference was that it was not fetching random users but creating an input table and transferring the input data to the delivery table. The only challenging part was when creating the toast for both staff member and delivery driver. I had to learn how I could re-use the same toasting functionality by making toast instances instead of changing the mark-up of the toast, like I originally tried to do. Once I figured this out, I could use the same toast mark-up and create different instances of the toasts.



I completed the project sprint by checking the style requirements and making sure all the functionality works as specified.

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Conclusion

Working with the project was a valuable experience and I learned a lot. If I were to do it all over again, I would spend more time making the page responsive to different screens and ease the work with positioning elements in the web page. I would also have divided the sprint loads a bit differently, as sprint 1 was too easy while sprint 2 was a bit too much work.

It was a stressful experience working with such a big project all alone, but it was nice to learn about all the components of a web application instead of dividing it with a team. I didn't expect that making some simple tables could be such a complex task.

I learned a lot about manipulating arrays, using jQuery, project management and generally working with the front-end. I can now better see the value of keeping track of progress and tasks when you have complex issues to solve, as I have experienced how it helps to focus the work and make sure the progression is according to the plan.