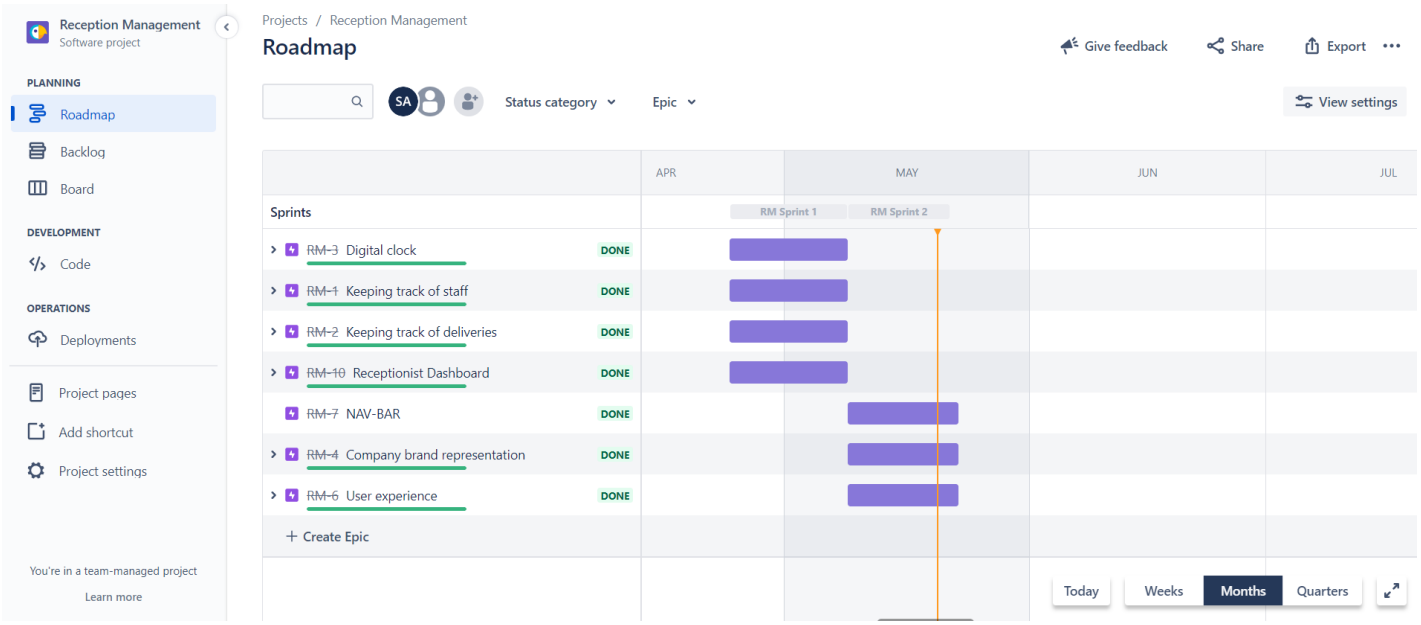
Sindre Steen Andersen SP BEDJAN23_FT

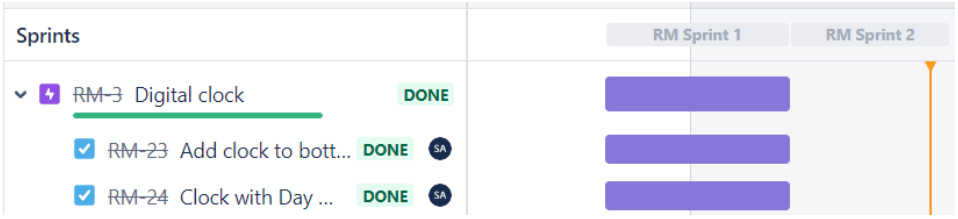


Here is a photo of my Jira, which was updated every few days, I did not get to take pictures during the progress, so I am filling in the pictures now when the project is complete. My Board and Backlog is therefore empty.

Sprint 1 duration:

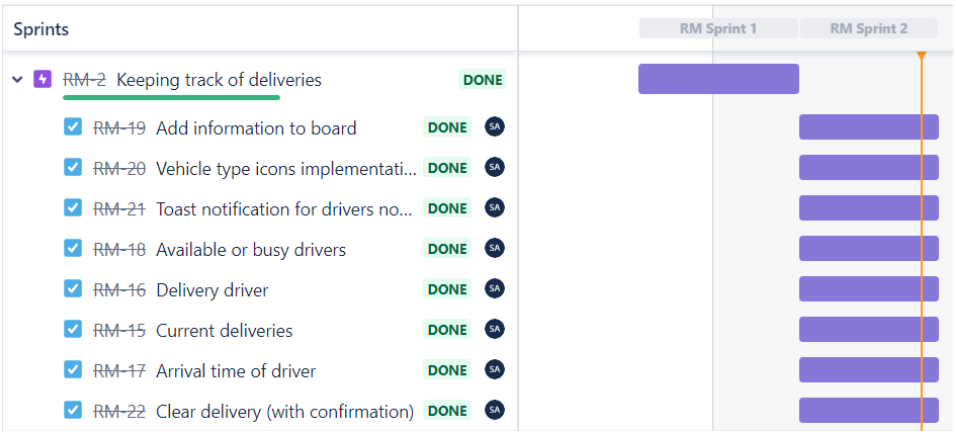
Sprint 2 duration:

Epics with issues:



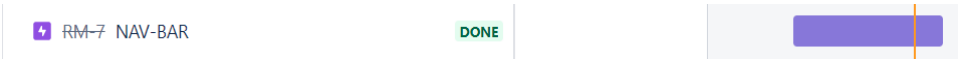
Here is my first epic.
Digital clock function with:
Month Year Hour:Minute:Second
This was in my first sprint

Here is my 2nd epic, where I took care of the staff members, creating the class, making all necessary functions like clock in, clock out, creating the staff members from the API etc. The toast took me too long to complete with full functionality, so I had to push this to sprint 2. I tried to not make too many issues, because some issues do not require much time to complete, while others do. I mainly focused on adding the functions that I need as issues.

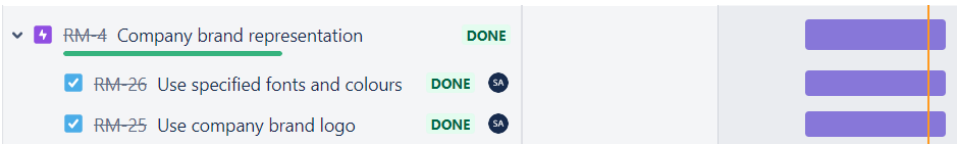


Epic number 3, where I originally planned to do in sprint 1, but ended up doing in sprint 2, because I spent most of sprint 1 working with the staff members. I always tried to prioritize doing the difficult things before I added CSS and Bootstrap styling. I chose to have toast issues for both of these ”big” epics, as they are fairly big tasks to add, especially with my added functions like dismiss buttons and clear/clock in button. Same goes here, my issues are for the most part functions to be created.

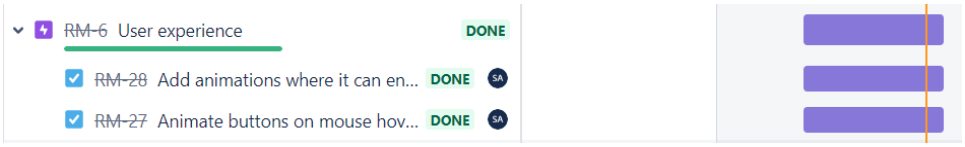
Epic 4, where I added plugins, Bootstrap, and jQuery, linked from folders/files to correct HTML file. Then added some more HTML to continue with the project, such as tables to continue with the schedule delivery area and delivery board.



Epic 5, where this was the only part of the entire epic. I felt that making separate issues would not be needed, as making a NAV-BAR is not that big of a job, it is more the styling of the company branding profile that would take time, which I have as a separate epic.



Epic 6, the company branding was done, I progressed from the top to the bottom of their specifications, and then added the company logo to the webpage.



Epic 7, the final epic, was made to enhance the users experience, in this case the receptionist. I added the hover animations to the buttons, and I also added some nice shadows on hovering the table rows, and also different colors for highlighted table rows, to give the user an all-round easier experience of using the application.

Summary

I encountered several areas of challenge and learning. From hard and in-depth functions, to form handling, to JavaScript array manipulation, I dove into various aspects of building a modern web application.

One of the initial challenges I faced after creating most of the work related to the staff members table, was grasping the intricate workings of CSS paired with Bootstrap. CSS and Bootstrap concepts, while powerful, can be challenging to combine. I sought to understand their properties and behaviors, such as alignment, distribution, and the difference between grid and flexbox layouts, and the difference of a “normal” table, and a “responsive” table. I had several issues, both with coloring of various parts of the table, combined with headings and table cells, rounding the corners on the tables, making a table with input-forms, and many more small and irritating issues I had to overcome. In the end, I successfully used these tools to create and control the layout of my web application.

Another area of struggle was handling forms, especially concerning the user experience (UX) and input validation. I worked with HTML forms and JavaScript event listeners to capture user inputs and process them accordingly. I faced difficulty in figuring out how to validate the entered values effectively, especially the ones like address and name/surname, because these can have both numbers and text. On those 3 mentioned parts I ended up just requiring the user to input information, an empty field was not accepted.

I then stumbled upon a new struggle, which was with the concept of "responsive design." My goal was to create a webpage that looked good on all devices, regardless of screen size. Implementing this was a bit challenging. I struggled with getting the tables and the navbar to resize and adjust properly depending on the window size, and the table changed its behavior. I know how to use responsive design but changing parts of responsive design using bootstrap really messed with my company branding in CSS. I did not spend too much of my time on this, as I am expecting that WeDeliverTech have a desktop computer for their receptionist using this application! :-)

In addition, I worked on changing form elements from a drop-down select to radio buttons. This required alterations to the JavaScript code responsible for

reading the user's selection, as the method for retrieving the selected option differs between these two types of input elements.

I used JavaScript to create a lot of functions that are distinct to what I have done previously, create new elements, and modify existing ones. This was especially important in my delivery driver scheduling system, where I used JavaScript to add, display, and remove delivery driver entries.

I also dug into the concepts of event handling and propagation in JavaScript. I used event listeners to capture user interactions, such as form submissions and button clicks, and then executed corresponding functions.

Lastly, I enhanced my problem-solving skills. I faced several challenges and tackled them systematically, seeking solutions and understanding the reasons behind each issue. This iterative process helped me improve my ability to debug and optimize my code.

The process of creating a web application has provided me with lots of challenges. While I faced some hurdles along the way, the process enabled me to understand better and appreciate the workings of web development. This has been an excellent opportunity for me to grow my skills, learn new concepts, and enhance my problem-solving capabilities. Through continuous learning and practice, I feel confident I can overcome any obstacle that comes my way in future projects.

The main source of problem solving for me has been to go through old lessons, I have a large library which is well-structured, for coding from A-Z throughout the BED-course. There are also 2 websites that I used, one of them that has also been helpful throughout the BED-course, which was more frequently used, that being w3schools.

Source: https://www.w3schools.com/
Source: https://stackoverflow.com/