Reflection Report

WebApp summary

This is a web application for managing staff members and delivery drivers. The project begins by initializing an empty array for storing staff members, and then uses jQuery to create event listeners for various buttons and table rows. When a staff member is selected from the table, the user can then choose to "clock out" or "clock in" the selected staff member, updating their status and other relevant information in the table. Similarly, when a delivery driver is selected from the delivery board, the user can choose to remove the delivery. The project also includes functionality for handling staff members who are late to return from their breaks, as well as delivery drivers who are late to make their deliveries. Overall, the project is well-organized and includes clear, concise code for managing the staff and delivery drivers.

Reflection

It was a nice task. I have gone back and forth many times with many different solutions and changes. What surprised me the most is how much time I used on the tiniest tasks.

When it comes to the Jira epics and issues, I chose the one I thought would be my focus and goals during the assignment. I hit ok, but I had to change the order as well as adding some more during the task. I also had my computer to a workshop for a week, so I had to figure out the week a little bit different then how I planned.

I struggled a lot with the classes early in the project, so I tried a whole lot of different solutions here, but suddenly after a week or so I started understanding more of what I did wrong and everything started to make more sense.

Also, the deliveryDriverIsLate had me go a lot of rounds with myself before I ended up with the solution I finally went for, I just could not get it give me the toast in the exact moment I wanted and for only one time. First when I made the notifyIsLate from the DeliveryDriver class I got it to do what I wanted when I wanted it. I went with a similar solution for the staffMemberIsLate from the StaffMembers class.

Functions and Methods explained

Staff Table

- **staffUserGet**: Retrieve a list of staff members from an API which is then stored in the staffMembers array.

- **selectStaff**: is called when a row in the staff table is clicked, It then adds or removes the class "selected" to the clicked row, depending on whether the row already has that class or not.

- **staffOut**: is called when the "out" button is clicked. It prompts the user to enter the absence of the staff member in minutes, before it updates the staff member's status to "OUT" and gives the out time, expected return time and duration in the table.

- **staffIn**: is called when the "in" button is clicked. It updates the staff member's status to "IN" and clears the out time, duration, and expected return time in the table.

- **staffMemberIsLate** is a method that displays a toast when the staff member has not returned to the office within the expected time. It clones an element with the id "staffToast"**.** It then defines a variable **overdueCounter** and sets it to 0, **setOverdue** function updates the **overdueCounter** which shows the minutes the staffmember is overdue. **setInterval** is called every minute to update the overdue. The "closeBtn" cancels the **setInterval** function and removes the toast notification when clicked.

Staff Class

- **out**: is called when the staff member goes out of the office. It takes an argument **expectedBack** and assigns it to the object's **expectedReturn** property. It also sets the object's **isOut** property to true.

- **in**: is called when the staff member returns to the office. It sets the object's **isOut** property to **false** and its **expectedReturn** property to an empty string.

- **staffMemberIsLate**: explained above.

Schedule Delivery/Delivery Board Table

- **addDelivery**: is called to schedule a delivery and add it to the delivery board. It accepts a form object as an argument and uses it to create a new **DeliveryDriver** object. The function then pushes the new object to the **deliveryDrivers** array and updates the delivery board.

- **validateDelivery**: is used to validate the form input for a new delivery. It checks whether the form is valid, and if it is, it creates a new **DeliveryDriver** object and returns it. If the form is not valid, it returns null.

- **selectDriver**: is called when a row in the delivery board is clicked. It adds or removes the "selected" class to the clicked row.

- **removeDelivery**: is called when the "clear" button is clicked. It removes the selected delivery from the delivery board and the **deliveryDrivers** array.

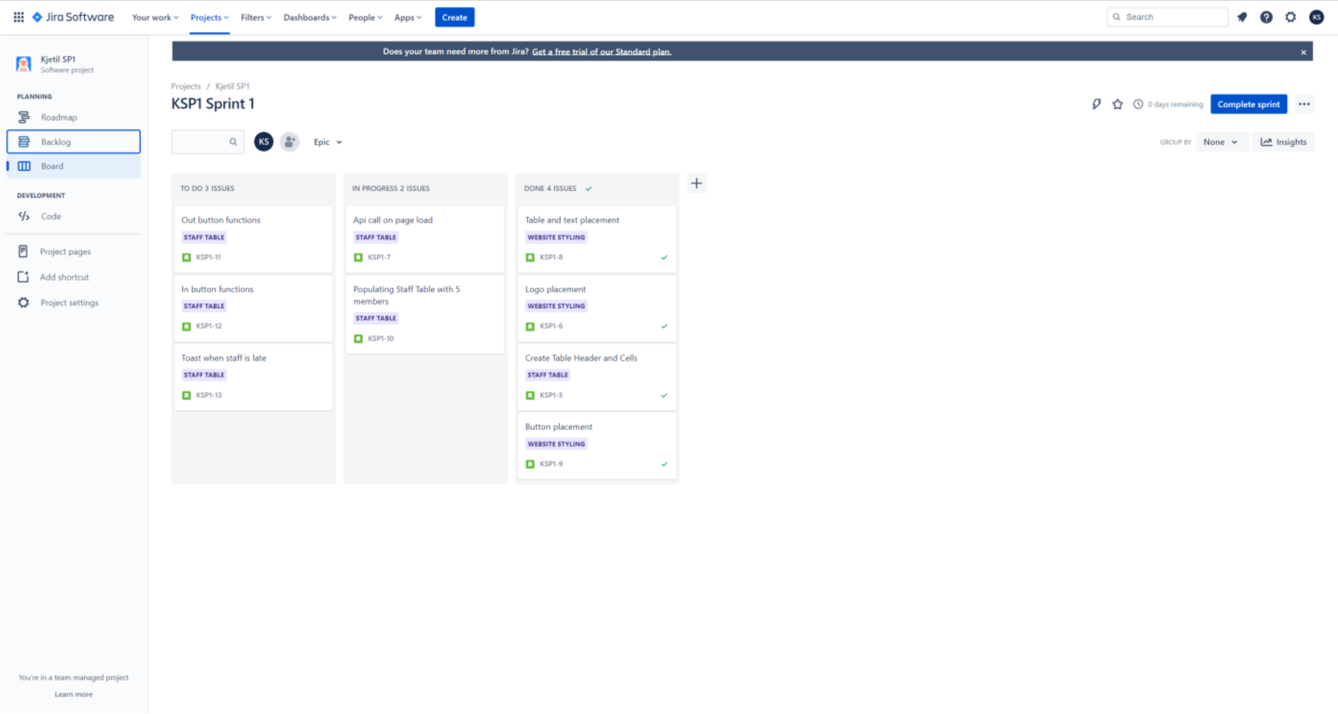
- **deliveryDriverIsLate**: is called repeatedly in a set interval. It checks whether any delivery drivers are late and shows a toast with the delivery information if they are.

Delivery Class

- **notifyIsLate:** is doing very much the same as staffMemberIsLate, except it gives some different information to the toast message.

- **add:** is called when a new delivery is added to the delivery board. It updates the delivery board with the delivery driver's information by appending a new row to the table and filling in the cells with the delivery driver's **vehicle**, **name**, **surname**, **telephone**, **adress** and **return time**.

Early Board



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KSP1 Sprint 1

TO DO 3 ISSUES

- Out button functions — STAFF TABLE — KSP1-11
- In button functions — STAFF TABLE — KSP1-12
- Toast when staff is late — STAFF TABLE — KSP1-13

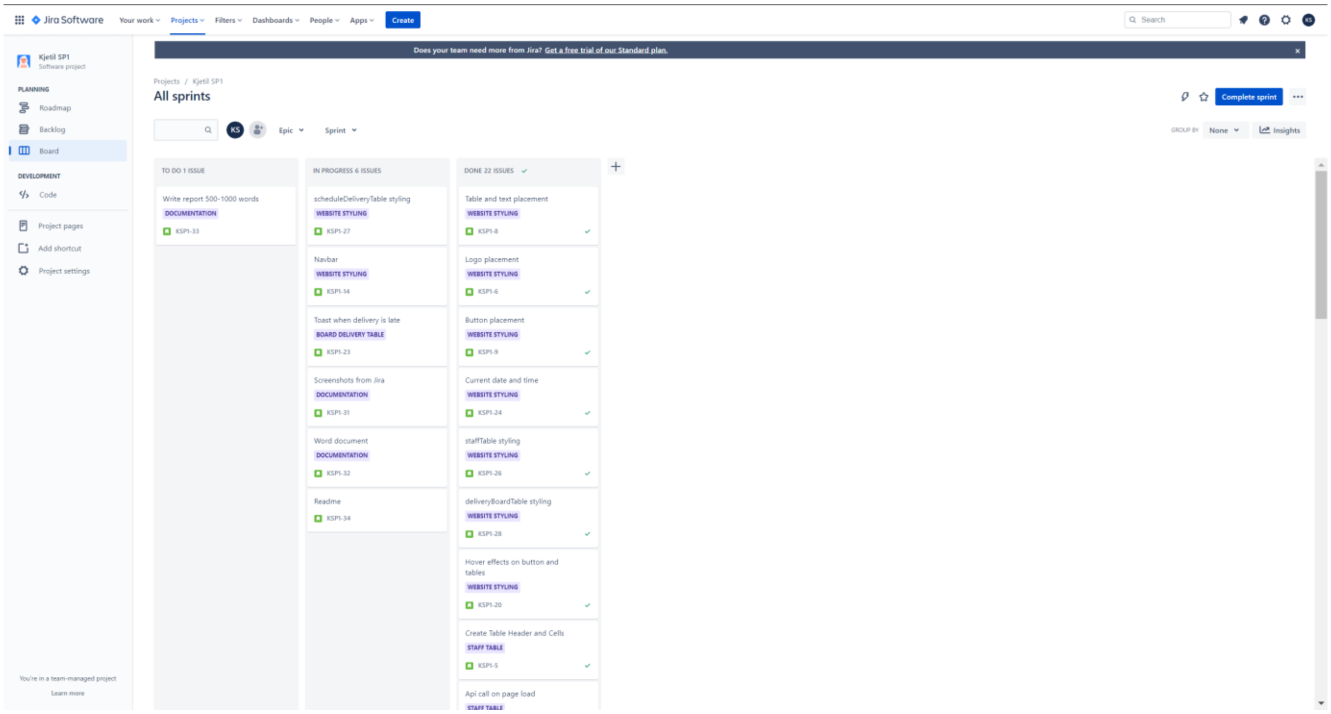
IN PROGRESS 2 ISSUES

- Api call on page load — STAFF TABLE — KSP1-7
- Populating Staff Table with 5 members — STAFF TABLE — KSP1-10

DONE 4 ISSUES ✓

- Table and text placement — WEBSITE STYLING — KSP1-8 ✓
- Logo placement — WEBSITE STYLING — KSP1-6 ✓
- Create Table Header and Cells — STAFF TABLE — KSP1-5 ✓
- Button placement — WEBSITE STYLING — KSP1-9 ✓

Later Board



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All sprints

TO DO 1 ISSUE

- Write report 500-1000 words — DOCUMENTATION — KSP1-33

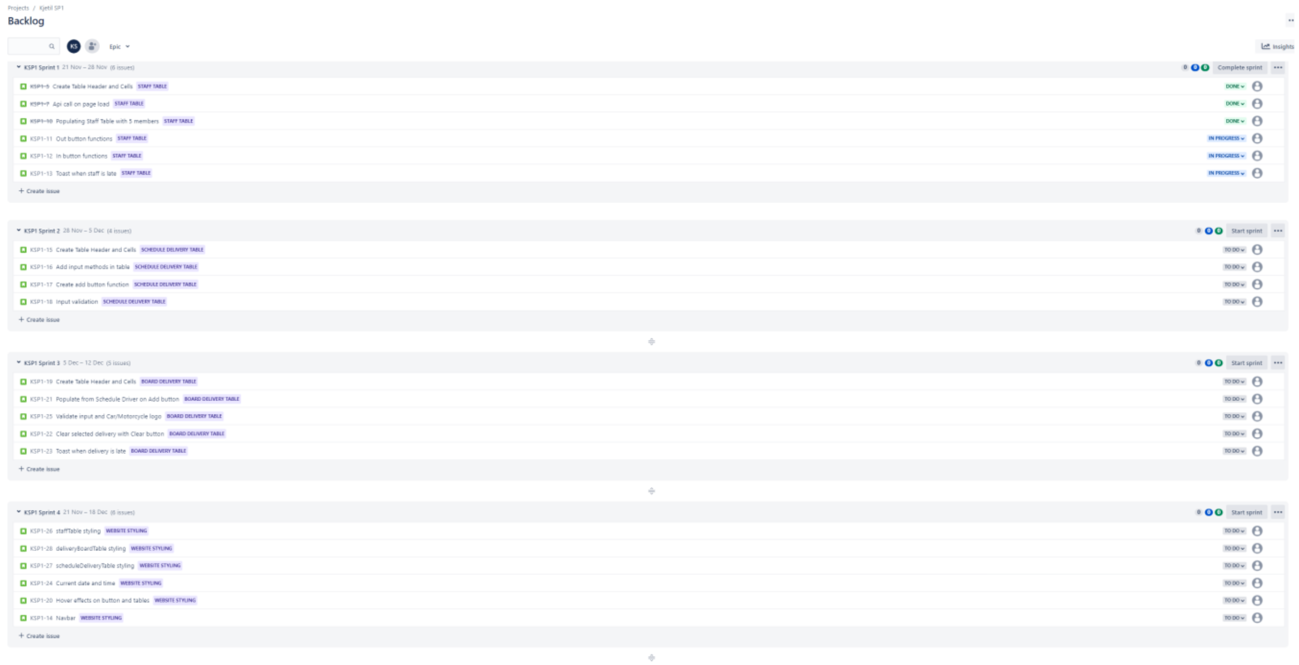
IN PROGRESS 6 ISSUES

- scheduleDeliveryTable styling — WEBSITE STYLING — KSP1-27
- Navbar — WEBSITE STYLING — KSP1-14
- Toast when delivery is late — BOARD DELIVERY TABLE — KSP1-23
- Screenshots from Jira — DOCUMENTATION — KSP1-31
- Word document — DOCUMENTATION — KSP1-32
- Readme — KSP1-34

DONE 22 ISSUES ✓

- Table and text placement — WEBSITE STYLING — KSP1-8 ✓
- Logo placement — WEBSITE STYLING — KSP1-6 ✓
- Button placement — WEBSITE STYLING — KSP1-9 ✓
- Current date and time — WEBSITE STYLING — KSP1-24 ✓
- staffTable styling — WEBSITE STYLING — KSP1-26 ✓
- deliveryBoardTable styling — WEBSITE STYLING — KSP1-28 ✓
- Hover effects on button and tables — WEBSITE STYLING — KSP1-20 ✓
- Create Table Header and Cells — STAFF TABLE — KSP1-5 ✓
- Api call on page load — STAFF TABLE

Backlog



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Backlog

Epic

KSP1 Sprint 1 21 Nov – 28 Nov (6 issues) — 0 0 0 Complete sprint

- ~~KSP1-5~~ Create Table Header and Cells STAFF TABLE — DONE
- ~~KSP1-7~~ Api call on page load STAFF TABLE — DONE
- ~~KSP1-10~~ Populating Staff Table with 5 members STAFF TABLE — DONE
- KSP1-11 Out button functions STAFF TABLE — IN PROGRESS
- KSP1-12 In button functions STAFF TABLE — IN PROGRESS
- KSP1-13 Toast when staff is late STAFF TABLE — IN PROGRESS

KSP1 Sprint 2 28 Nov – 5 Dec (4 issues) — 0 0 0 Start sprint

- KSP1-15 Create Table Header and Cells SCHEDULE DELIVERY TABLE — TO DO
- KSP1-16 Add input methods in table SCHEDULE DELIVERY TABLE — TO DO
- KSP1-17 Create add button function SCHEDULE DELIVERY TABLE — TO DO
- KSP1-18 Input validation SCHEDULE DELIVERY TABLE — TO DO

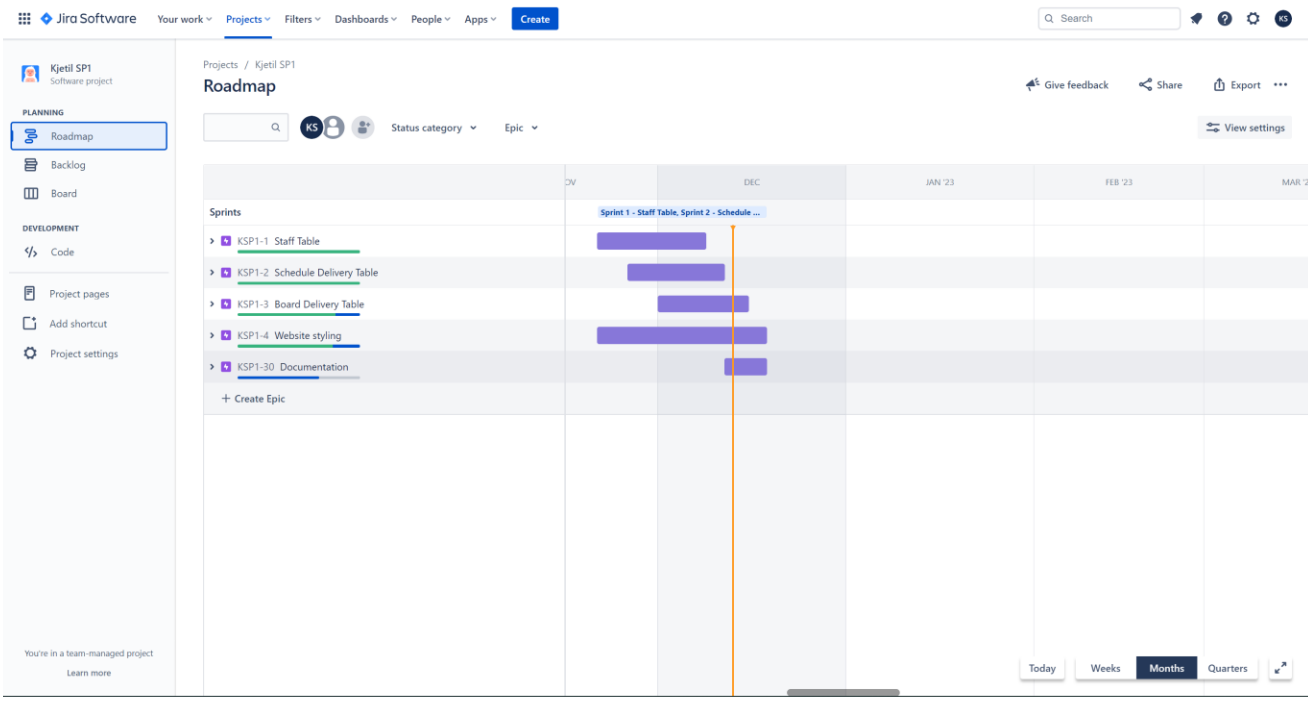
KSP1 Sprint 3 5 Dec – 12 Dec (5 issues) — 0 0 0 Start sprint

- KSP1-19 Create Table Header and Cells BOARD DELIVERY TABLE — TO DO
- KSP1-21 Populate from Schedule Driver on Add button BOARD DELIVERY TABLE — TO DO
- KSP1-25 Validate input and Car/Motorcycle logo BOARD DELIVERY TABLE — TO DO
- KSP1-22 Clear selected delivery with Clear button BOARD DELIVERY TABLE — TO DO
- KSP1-23 Toast when delivery is late BOARD DELIVERY TABLE — TO DO

KSP1 Sprint 4 21 Nov – 18 Dec (6 issues) — 0 0 0 Start sprint

- KSP1-26 staffTable styling WEBSITE STYLING — TO DO
- KSP1-28 deliveryBoardTable styling WEBSITE STYLING — TO DO
- KSP1-27 scheduleDeliveryTable styling WEBSITE STYLING — TO DO
- KSP1-24 Current date and time WEBSITE STYLING — TO DO
- KSP1-20 Hover effects on button and tables WEBSITE STYLING — TO DO
- KSP1-14 Navbar WEBSITE STYLING — TO DO

Roadmap with Epics



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Roadmap

Kjetil SP1
Software project

Sprints: Sprint 1 - Staff Table, Sprint 2 - Schedule ...

- KSP1-1 Staff Table
- KSP1-2 Schedule Delivery Table
- KSP1-3 Board Delivery Table
- KSP1-4 Website styling
- KSP1-30 Documentation