Sprint #0 Review

Sprint: Sprint 0
Date: 16/08/2020
Team: SEPT 3.THURS-10.30-7
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Product Owner: Josiah Miranda
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Sprint Goals
Most important aspects of the sprint included:
- Complete functionality for user login.
- Complete functionality for user logout.
- Complete functionality for viewing user profiles.
- Complete API endpoint for accounts/customers.

Status Overview

Sprint Items:

PBI ID	PBI NAME	EFFORT POINTS	TASK ID	TASK
9	As a customer, I want to log in so that I can access the system's functionalities.	3	9.1	Set up database on MySql.
			9.2	Set up Spring project using Spring initialiser.
			9.3	Set up customer model, repository and API login end point.
			9.4	Set up Spring security.
			9.5	Set up react app.
			9.6	Put in navbar on home page (home page not in the sprint so can be empty page)
			9.7	Do the log-in page.

			9.8	Set up JUnit project with Mockito
			9.9	Perform unit test on login API end point.
			9. 10	Write acceptance testing for login functionality.
			9. 11	Investigate Mocha for front-end testing.
			9.12	Perform acceptance test for login functionality
43	As a customer, I want to be able to log out so that no-one can access my data.	1	43.1	Add logout button to dynamic navbar.
			43.2	Write acceptance test for logout functionality.
			43.3	Perform acceptance test for logout functionality.
38	As a Developer I want to have an accounts end point for my RESTful API so that I can perform CRUD operations on customers.	1	38.1	Create the account end point
20	As a customer I want to be able to see my name, username, address, and contact number so that I can verify that they are correct.	2	20.1	Customer profile mockup
			20.2	GET customer by their Id API end point.
			20.3	Do a one-page customer profile page.
			20.4	Unit test for customer GET controller method.
			20.5	Write acceptance testing for customer profile.
			20.6	Perform acceptance testing for customer profile.

Changes made:

- **User story 43:** Logout functionality was moved exclusively to front-end as it provided a better solution to deal with the JWT tokens.
- **User story 9:** Effort points changed from 3 to 8 because of authentication/authorisation.

Incompleted Sprint Items:

The sprint items that were incomplete were the user stories:
- **9:** As a customer, I want to log in so that I can access the system's functionalities.
- **43:** As a customer, I want to be able to log out so that no-one can access my data.
- **20:** As a customer I want to be able to see my name, username, address, and contact number so that I can verify that they are correct.

More specifically, the tasks associated with those user stories that were incomplete were ones associated with front-end development, which then resulted in acceptance testing unable to be completed:
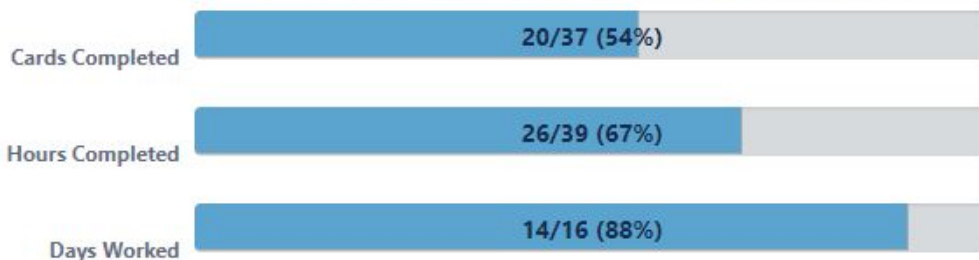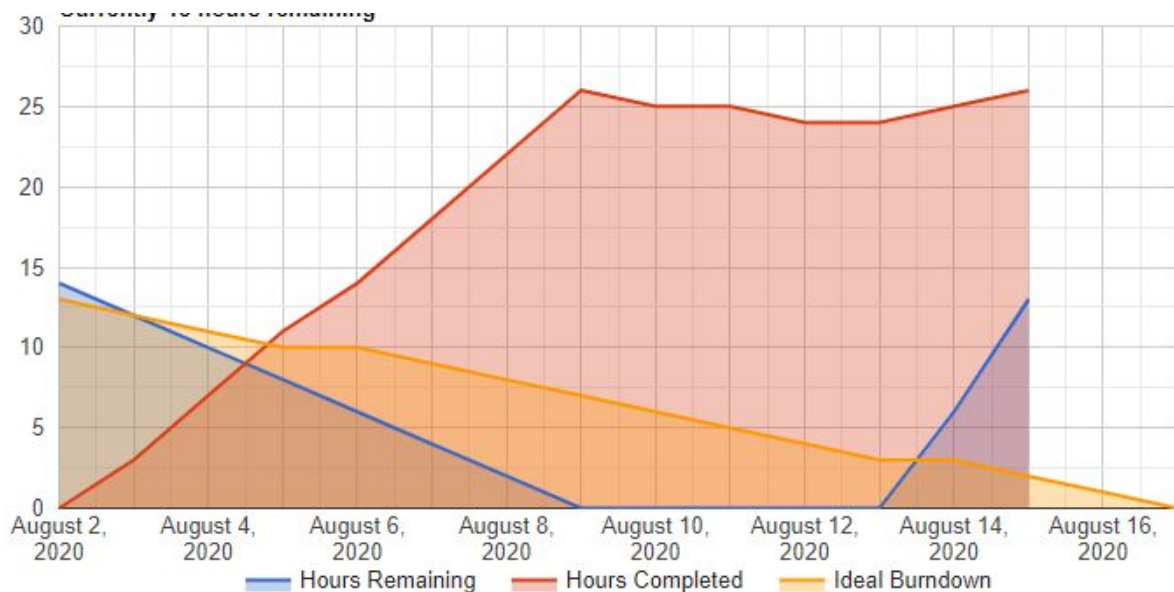**User Story 9 -** 9.5, 9.6, 9.7, 9.11, 9.12
User Story 43 - 41.1, 43.3
User Story 20 - 20.3 20.6

These incomplete tasks will be matched together with their stories and moved to the next sprint backlog. Other user stories will also be chosen from the product backlog in the next sprint, which will mostly be developer-centric.

Burndown Chart

As this was sprint 0, everyone was still getting used to how Trello and the burndown chart worked. Therefore some items had not been given an estimation for the amount of hours it would take to complete them until very much later in the sprint. Thi spike in hours remaining on August 14th demonstrates this. Next sprint, the whole team will endeavour to predict the estimated hours for each task card and will move them into the done column accordingly.