Sprint 2 Planning

Team: Dipto Thursday 10:30 Group 8
Sprint: Sprint 2

Date: 28/8/21

Scrum Master: Kartik Kumar (S3788894)

Development team: Aaron Fisher (S3840619), Oliver Hale (S3781403), Shrestha Ghosh (S3805530).

Sprint Overview

Sprint Goal: *To implement further to the progress made in sprint 1. Building on top of the current progress on the Bookero web-app with additional and more complex functionality aimed to be completed*

Sprint Duration: *2 Weeks*

Sprint Capacity: *The team can complete all documentation and design within the given time and work for an estimate of 50 hours in 2 weeks with given experience in development, documentation, and design.*

Special Circumstances: *N/A*

Team vision for the sprint

In planning for this sprint our team added the following items to our sprint backlog to complete within the allocated 2-week period:

Item: Implement books model in backend
Explanation: Creating a backend microservice for books. This will create the books model and all the attributes relating to the books will exist here
Estimated Story points: 13
Why: To create any sort of book functionality it is important to have the books model ready, this is going to make functionalities relating to books easier to achieve

Item: Implement books model in the frontend
Explanation: This will ensure that the books from the backend are setup correctly in the frontend and are displayed properly in the frontend.
Estimated Story points: 3
Why: To display the data in the database in a user friendly format so that it is easier to navigate

Item: Build a search function for books

Explanation: As a part of the design of the web-app, searching the books is a crucial part. The users should be able search the books by ISBN, category, name or author name.
Estimated Story points: 5
Why: This is a major part of design and this is a very important feature to have. Searching the books is going to make the web-app easily accessible and navigation would be streamlined.

Item: Dockerisig the microservices
Explanation: Dockerizing all the microservices to have separate docker file. Creating a docker-compose file to initiate all the docker files.
Estimated Story points: 3
Why: To make our web-app work on a standard format and work on everyone's machine seamlessly

Item: Code Build on CircleCi
Explanation: Building the fully dockerized application on circleci. Steps include creating a circleci config file to execute the build. Passing all the circleci tests
Estimated Story points: 5
Why: Automatic builds will be created so that the code can be easily deployed once Code Deploy is configured with AWS EC2

Item: Setting up RDS instance
Explanation: Setting up the database as an RDS instance of MySQL. This will involve installing new dependancies to make this new database work with the current application.
Estimated Story points: 3
Why: Having a cloud-based database is always recommended for automatic backup, auto scaling and disaster recovery.

Item: Unit tests
Explanation: Writing Unit tests to make sure individual components of the application are working fine. To make sure that there are no individual errors inside code for any particular case.
Estimated Story points: 8
Why: Unit testing is really important as it provides assurance about the components involving the new books model created