Sprint #2 Planning - MEDS

Sprint: Sprint #2

Date: 29/08/2021

Scrum Master: Maxwell Reid (s3787033)

Development team: Ewan Breakey (s3845382), Sefanur Erciyas (s3842307), Thomas Dib (s3838765)

Sprint Goal

The goal of this sprint is to implement the user stories that were left uncompleted from the previous sprint. In addition, functionality such as viewing and creating book listings will be implemented.

Sprint Capacity

Sprint   Start   Date:01/09/2021
Sprint   End   Date: 18/09/2021
Sprint Length: 17 Days

Maxwell Reid (Scrum Master)

Availability: Able to dedicate 10 hours of work per week. Available for contact at all times via Slack and Discord.
Experience: Experienced with Scrum processes, Java and web development. Expect high velocity.
Capacity: 10 * 2.4 = 24 hours

Ewan Breakey (Lead Developer)

Availability: Able to dedicate 10 hours of work per week. Available for contact at all times via Slack and Discord.
Experience: Experienced with Scrum processes, Java and web development. Expect high velocity.
Capacity: 10 * 2.4 = 24 hours

Thomas Dib (Front-end/Back-end Developer)

Availability: Able to dedicate 10 hours of work per week. Available for contact at all times via Slack and Discord.
Experience: Prior experience with the Scrum process. Slight familiarity with web development and the necessary development tools. Expect medium velocity.
Capacity: 10 * 2.4 = 24 hours

Sefanur Erciyas (Front-end/Back-end Developer)

Availability: Able to dedicate 10 hours of work per week. Available for contact at all times via Slack and Discord.
Experience: Some experience with Scrum process and web development. Experienced with Java. Expect medium velocity.
Capacity: 10 * 2.4 = 24 hours

The estimated capacity of the team over the 17 day period based on initial self-evaluation is: 96 hours.

Having completed Sprint #1, we have a better understanding of the team's average velocity. In the previous sprint we were able to achieve 27 points as allocated to user stories being implemented. This gives the team an average velocity of 11.7 points per week. The user stories to implement for Sprint #2 consist of a total of 28 points. This would mean the completion of 11.7 points weekly, which falls within the team's abilities.

Special Circumstances

Similar to the previous sprints, team members are currently completing between 3 and 4 university subjects and thus capacity may fluctuate throughout the sprint. Team members will communicate with each other via Slack notifying them of their workload and if tasks need to be redistributed.

Summary

Tools Used

Tools used previously:
- GitHub
  https://github.com/SEPT-MEDS/bookaroo
- Discord
- Slack   https://join.slack.com/t/septgrouphq/shared_invite/zt-t011e0sn-6qiRwfKl7AT2~74_rPtZcg
- Google Docs
- Figma
  https://www.figma.com/team_invite/redeem/5y0KqvdbqqxsYMfhBauA18
- Amazon AWS (RDS, EC2)
- mySQL
- Docker Compose
- Docker

New tools:
- CircleCI
- AWS Amplify
- Docker Hub

Sprint Goal & User Stories

User Story ID	User Story	Points Allocated
20	As a customer I want to be able to view for sale listings for a book that I am interested in so I can compare prices between listings	3
33	As a shop owner I want to be able to list a used book on Bookaroo so I can allow customers to view and purchase it	3
34	As a shop owner I want to be able to list a brand new book on Bookaroo so I can allow customers to view and purchase it	3
15	As a customer I want to be able to search for books by their title so I can easily find books listed on the site	3
16	As a customer I want to be able to search for books by their author so I can find all books written by a specific author	3
17	As a customer I want to be able to search for a book by its ISBN so I can quickly find a book by its unique identifier	3
18	As a customer I want to be able to search for books by a specific category so I can find new titles by genres I know I enjoy	3
37	As a customer I want to be able to list a used book for sale so other allow customers to purchase it from me	2
39	As a customer I want to be able to share a listing for a book on Bookaroo so I can show my friends a listing I think is noteworthy	1
50	As an admin user I want to be able to search for books by its title so I can find a book I want to edit	1
51	As a admin user I want to be able to search for books by its author so I can find a book I want to edit	1
52	As a admin user I want to be able to search for a book by its ISBN so I can quickly find a book I want to edit	1
53	As a admin user I want to be able to search for books by a specific category so I can find a book I want to edit	1

Points allocation justification

The effort points were discussed among the team in a meeting where the higher numbers mean more effort is required and follows the convention of using the Fibonacci numbers. In general, stories that required solely front-end work (or very minimal back-end) were rated at 1 effort. Stories given an effort of 2 were typically more involved in the back-end whilst remaining quite simple at the front-end, and the stories rated 3 were those that had substantial work/setup to be done on both the front and back-end.

The skill level of the members were taken into account, where some members are more

experienced than others in different fields. None of the user stories were given a rating of 5 or above as there is nothing substantially more difficult than the other user stories. Due to the prior experience of some of the members, these numbers were lowered slightly as they will be able to assist and guide the inexperienced members.

User Story Reasoning

These user stories have been included within Sprint #2 from the product backlog because they build on top of what has already been completed. These features will continue to serve as the foundation for future user stories that are implemented. Once listings are fully implemented, the team can begin to work on the checkout function.

Sprint Shippable Product

By the end of this sprint, the final product will allow the client to not only view books but also their respective sales. And they will be able to create listings as a shop owner for new and used books and as a customer for used books. It will also allow the client to search for books both as an admin and customer. The functionality for placing orders and editing listings will be implemented in later sprints.