

## Sprint #3 Planning - MEDS

**Sprint:** Sprint #3

**Date:** 16/09/21

**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 some more general functionality of the Bookaroo site. More specifically, features relating to the review system, the purchasing/ordering of books, viewing transaction history, and so on.

### Sprint Capacity

Sprint	Start	Date:	19/09/21
Sprint	End	Date:	02/10/21
Sprint Length: 14 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:  $10 * 2 = 20$  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:  $10 * 2 = 20$  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:  $10 * 2 = 20$  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:  $10 * 2 = 20$  hours

The estimated capacity of the team over the 2 week period based on initial self-evaluation is: 80 hours.

Having completed two sprints, Sprint #1 and Sprint #2, we have a better understanding of the team's average velocity. In the previous sprints we were able to achieve 27 and 31 points respectively as allocated to user stories being implemented. This gives the team an average velocity of  $((27/2.3 + 31/2.4)/2)$  12.3 points per week. The user stories to implement for Sprint #3 consist of a total of 40 points. This would mean the completion of 20 points weekly. The team decided on this many points because we believe that the rate at which we complete tasks will be higher in Sprint #3.

At this point we have now completed two previous sprints and have a better idea of how the technologies work and how the team works together. We will once again discuss effort points within our meetings to provide us with an indication of the difficulty of the required tasks, and allocate them accordingly to the members. In the consideration of these points, we will look at previous sprints to give us an indication of the effort points we are able to undertake.

### **Special Circumstances**

As with previous sprints, all members of the team are completing 3 or 4 university subjects each, and of course this means that the team is susceptible to fluctuations in performance. If this happens to be the case, the team members will inform one another of the circumstances and the workload may be required to be adjusted accordingly.

## **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-6qiRwfKI7AT2~74\\_rPtZcg](https://join.slack.com/t/septgrouphq/shared_invite/zt-t011e0sn-6qiRwfKI7AT2~74_rPtZcg)
- Google Docs
- Figma  
[https://www.figma.com/team\\_invite/redeem/5y0KqvdbqqxsYMfhBauA18](https://www.figma.com/team_invite/redeem/5y0KqvdbqqxsYMfhBauA18)
- Amazon AWS (RDS, EC2)
- MySQL

#### New tools:

- PayPal API

### **Sprint Goal & User Stories**



User Story ID	User Story	Points Allocated
43	As a customer I want to be able to leave a review for a specific shop owner/vendor that I have purchased a book from so I can inform other users of the quality of service	3
44	As a customer I want to be able to leave a review on another customers profile so I can help any other customers that may interact with this profile to be aware of the customers service history	3
19	As a customer I want to be able to leave a review on a specific book that has been posted to Bookaroo so I can help other users know if the book is worthy of purchase	3
40	As a customer I want to be able to leave a rating for a book that is listed on Bookaroo so I can provide feedback that other users can view	3
13	As an admin user I want to be able to view a summary of all transactions on the site sorted by date to verify details of purchases that have been made	3
21	As a customer I want to be able to complete a purchase of a book via PayPal so I can ensure my payment was done securely	3
22	As a customer I want to be able to cancel an order up to 2 hours after I place the order in case so I can change my mind on purchases I make	2
24	As a customer I want to be able to view a history of my transactions so I can keep track of what I have bought	3
25	As a shop owner I want to be able to view the transaction history of my shop so I can track my orders and ensure they are all fulfilled	3
28	As an admin user I want to be able to download a report of all transactions within a given time period so I can track user engagement and site popularity	2
45	As a customer I want to be able to view the current status of my order so I can keep up to date with when I will receive my order	2
46	As a shop owner I want to be able to update the status of an order made to me so I can keep the customer up to date with their order	5
48	As a customer I want to be able to update the status of a order made for one of the used books I am selling so I can show the buyer the progress of their order	5

### 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. Stories rated 3 were those that had substantial work/setup to be done on both the front and back-end, and stories given an effort of 5 reached the same conditions as stories rated 3 but are also expected to take extra research.

### **User Story Reasoning**

The user stories chosen have been chosen because they are quite important features relating to the functionality of the program. Once they are done, the system will be somewhat operational and available to use as a regular site. Of course it will not be entirely complete, and there will be some features that could further be polished, but for the most part it will be functional/operational.

### **Sprint Shippable Product**

By the end of this sprint, the user should be able to of course sign up, log in, and view books/listing (as per previous sprints), but will also be able to simulate a purchase of a listing, and they will also be able to see or create reviews of a given book or account. Following this sprint, the only functionalities that will be left include the administration features such as user management (e.g. editing accounts, or approving/declining account applications).

