

Sprint #4 Planning - MEDS

Sprint: Sprint #4

Date: 01/10/21

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 add on to functionality of the Bookaroo site which has already been completed. This includes moderation of accounts, approving and declining of shop owner accounts, admins adding and editing books, and shop owners removing listings.

Sprint Capacity

Sprint	Start	Date:	03/09/21
Sprint	End	Date:	17/10/21
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 three sprint, Sprint #1, #2 and #3, we have a good understanding of the team's average velocity. In the previous sprint we were able to achieve 27, 31 and 26 points respectively. Taking the team's average velocity per week from the last planning document, 12.3 points per week, the new average velocity is $((12.3+26/2)/2)$ 12.65 points per week. The user stories planned to be implemented in Sprint #4 consist of a total of 21 points. This means 10.5 points will need to be completed per week. This results in a lower velocity but this is because there are no more user stories to be completed due to some getting cancelled as per the client's wishes and a lot of effort being put into the earlier sprints.

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
- Google Docs
- Figma
https://www.figma.com/team_invite/redeem/5y0KqvdbqqxsYMfhBauA18
- Amazon AWS (RDS, EC2)
- MySQL
- PayPal API

No new tools

Sprint Goal & User Stories

User Story ID	User Story	Points Allocated
9	As an admin user I want to be able to approve shop owner account creation requests so I can allow them to log into Bookaroo	3
11	As an admin user I want to be able to suspend existing accounts so I can appropriately moderate the site	2
12	As an admin user I want to be able to decline shop owner account creation requests so I can prevent them from logging into Bookaroo	3
14	As an admin user I want to be able to unsuspend existing accounts so I can appropriately moderate the site	2
41	As an admin user I want to be able to add a book to Bookaroo without needing to create a listing so I can allow customers to see books that may not be in stock	5
42	As an admin user I want to be able to edit an existing book on Bookaroo so I can ensure its details are up to date and moderated	3
49	As a shop owner I want to be able to remove a listing I have created on Bookaroo so I can stop customers from purchasing it	3

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. Stories given an effort of 2 were typically slightly involved in the back-end and 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 more time.

User Story Reasoning

The user stories chosen were selected because they were the only stories remaining in the product backlog. Once they are completed, the system will be fully operational.

Sprint Shippable Product

By the end of this sprint, the user should be able to sign up, log in, and view books/listing, simulate a purchase of a listing, see or create reviews of a given book or account (as per previous sprints), admin accounts will be able to approve/decline shop owner accounts, suspend/unsuspend accounts, create books and finally, shop owners will be able to delete their listings.