

Progress Report

- Increment 2 -

Group #17

1) Team Members

Bryce Beck - bjb22g - Beesiness

Mason Hartle - mgh211 - mhartle02

Phuong Nguyen - ptn23 - ptn23

2) Project Title and Description

Scriptoria is a book progress tracking and reviewing website which aims to improve on similar existing websites by offering users the ability to find users with similar logged books and who share similar review scores. Additionally, we aim to allow users to create “Book Clubs” to discuss with groups of other users and view each other’s reviews.

3) Accomplishments and overall project status during this increment

During this increment we made significant progress towards our stated goals for our website’s functionality. We implemented the book search with GoogleBooksAPI integration, allow users to leave reviews and ratings on books with a running total average rating for every book in the database, further fleshed out our website’s layout and implemented “reading lists” for users to track books and function as a wishlist of books they intend to read. Our project still has some major functionality that has yet to be added, however, as we are still missing any social functionality and ability for users to interact with one another. Additionally, we still need to enable users to see their own reviews as well as the reviews left by others, as at time of submission we are only able to see that the reviews are successfully added to the database and little feedback is given to the user to show that these reviews were left.

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

During this increment our biggest challenge was structuring our workload around spring break. As is reinforced in our commit history on GitHub, we neglected to add to the project in both the week after submitting Increment #1 and throughout the following week of spring break, leading us into having to sprint through the final two weeks before Increment #2’s submission date. However, aside from poor time management we also encountered challenges with modifying our databases and correctly parsing the information being returned from GoogleBooksAPI to work firstly with our Book class implementation and usage, and later to work cohesively with the databases for reading lists and user reviews. Some functionalities have yet to be properly implemented, including how users can delete books from their own personal lists, adding the functionalities of other roles, and how to make the signup/login process more convenient. There have not been any substantial changes or challenges to our initial intended scope of the project, although it is possible that implementing functionality for users seeing recommended friends based on their tastes in books and reviews may become too time consuming to implement since it is currently poised to be the last feature to be implemented.

5) Team Member Contribution for this increment

Bryce:

- a) Progress Report - Wrote sections 1, 2, 3, 4, 6, 7 and formatted section 5
- b) RD - Wrote section 1, 2, 3, 4, 5*, 6, 7 (*created Sequence Diagram #3 for 5)
- c) IT - Wrote section 1, 2, 5
- d) Source Code - Wrote `fetch_books()`, `insert_books_into_db()`, `home.html`, `review.html`, added new `userReviews` and `Books` databases to `initializeDb.py` and wrote associated `update_book_rating` trigger, also wrote code for `home.html` which would later be copied as boilerplate code for `my_books.html` and `review.html`. Also contributed to associated `style.css` elements with `search-bar`, `book-results`, `star-rating`, `#reviewForm` and `dynamic-review-form`.
- e) Video - Contributed to script's information

Mason:

- a) Progress Report - Contributed to 4, 6
- b) RD - Contributed to 2, 3, 5
- c) IT - Wrote section 3, 4
- d) Source Code - Set up and integrated the `GoogleBooksAPI` into `Scriptoria`. Created and Built the `GoogleBooks` library which takes in a book title and returns a list of relevant books. Worked on bug fixes and rolled back changes that negatively impacted the flow of the website.
- e) Video - Wrote script and recorded video

Phuong:

- a) Progress Report - Contribute to 4, 6, edited 7
- b) RD - Contribute to 3, wrote 5 (created Class Diagram)
- c) IT - Contribute to 3
- d) Source Code - Wrote `my_books()`, `my_books.html`, added `myBooks` into `initializeDb.py`, modify `signup()` so that `user_id` is kept throughout the login session and redirect users to their respective roles (and also to decrease inconvenience when creating a new account), and modifying `home.html` along with `insert_books_into_db()` to accommodate users with an "Admin" role.
- e) Video - Contributed to script's information

6) Plans for the next increment

In the next increment we are aiming to refine the functionalities depending on the user's role, put the finishing touches on making reviews viewable to the uploader first, and later to other users, while also building up the user's profiles to enable personalization and move away from strictly having test debug users. Finishing those changes will allow us to shift our focus to implementing more features for our users and specifically adding the promised social features to our website to allow users to make "Book Clubs", add other users as friends, be recommended the profiles of users with similar logged books, and generally allow users more ways to interact with one another. Also we plan on making the website more aesthetically appealing.

7) Stakeholder Communication

Dear Stakeholders,

As a result of your involvement in, and support of `Scriptoria`, we are writing to inform you of the state of the project as we approach the end of our second development increment.

Based on your feedback to our first increment deliverable, we have greatly expanded the capabilities of our web application to include the ability for users to leave reviews on book's, as well as assign a rating from 1.0-5.0 which will impact the sitewide average rating of that book. We also have updated personalized pages depending on which role you chose. As of this moment, "Admin" and "Reader" are accessible roles. We have

also added a page which enables users to search books and add them to a personal “reading list” which, although slated to be added in the next increment, will allow users to view their reading list and share this list with other users.

The most profound of our additions in this increment, however, is the addition of Google Books API compatibility, which enables users to search and retrieve information on books stored within Google’s database. The information currently retrievable includes the book’s cover, author, page count, description, and average rating within the google database.

Although this increment went by without any major roadblocks, we did encounter disagreements within the team surrounding the best way to handle delegated access based on the permission level of the user, with the ideas being split between redirecting to different but almost identical pages or having one universal landing page which reveals different functions depending on the permission of the user. This issue was resolved, however, and we settled on sticking to one landing page with varying levels of functionality based on the permissions given to the user’s account. There’s also some difficulty regarding functionalities that involve “Delete”, so for now, you won’t be able to delete books out of the database were you to be an “Admin”, or delete books from your personal list if you were to be a “Reader”.

Looking ahead to the next increment, we have plans to wrap up the capability of users to see their own reviews and book lists while beginning to implement social features such as friends lists and Book Clubs. Additionally, we are already working on allowing different levels of users to have access to different functions such as the ability of admins to moderate the reviews on the site, and the ability of authors to update information on books.

Best,
Scriptoria Dev. Team

8) Link to video

<https://www.youtube.com/watch?v=mFxuJbRpTII>