

Team Number: 011 - 6

Team Name: JAAAC

Project Features:

1. Login (required)
 - a. Common login for registered users and admins to access all features
2. Rating System (required)
 - a. Allow users to rate books in order to receive tailored results
3. Recommendations (required)
 - a. The recommendation page will calculate how relevant each book is to the user (using the search algorithm), then show the list in order of highest to lowest relevance.
4. Search algorithm (required)
 - a. Allow users to find specific recommendations based on criteria such as previous rating, author, genre, and date of publication. The algorithm will examine each of these features, then score books according to which are most similar to ones the user already likes. This will use books from the Kaggle database or an API.
5. Saving System (optional)
 - a. Allow users to save books and authors for later. These books/authors will be marked in the database, and the user will be able to access this list.
6. Search Feature (optional)
 - a. Allows users to filter their search results by title, author, or genre
7. User Profile (optional)
 - a. Allows registered users and authors to see their saved books/authors, rated books/authors, and preferred genres in the same place
8. Account Setup (optional)
 - a. Right after the user creates a new account, the website will ask them to choose preferred genres and mark other preferences in order to give the algorithm something to work with (with no information, the algorithm will simply recommend top books according to others' reviews)

Requirements:

We are using the Agile methodology, so will use JIRA to record and divide our project requirements.

JIRA Link:

<https://csci-3308-spring22-202-6.atlassian.net/jira/software/projects/TV/boards/1/backlog>

Project Plan:

To-Do	In-Progress	Done
Task: Login System Create a login system to allow registered users to access their accounts. Also allow new users to register a new account. Time Estimate:		
Task: Rating System Allow users to rate read books out of 5 stars, which will update the overall rating and affect their future recommendations. Time Estimate:		
Task: Recommendations Recommend users books based on which books have been rated highly, and draw connections based on similar book attributes. Time Estimate:		
Task: Search Algorithm Create a search box that allows users to search books by title. Time Estimate:		
Task: Saving System Allow users to save books and authors to reference later and view related books/authors. Time Estimate:		
		Task: Additional Search Allow users to narrow search using attributes such as author, date of publication, and genre. Time Estimate:
		Task: User Profile Allow each user a private page to view their preferences, and add or drop books from their list. Time Estimate:
		Task: Account Setup Allow new users the ability to answer question to narrow their recommendations when user data is sparse. Time Estimate:

Sequence: Finalize the features and the ways they interact with one another (so we don't have to make later changes to completed features), create login, create our webpage structures, create our books database, finalize and code the recommendations algorithm, implement the website server through Node.js, test, publish to Heroku

Trello Board:

<https://trello.com/invite/b/Wnn3kEct/cc82109bae6347b95fcef86d576f9d94/csci-3308-team-6>

February 9: HTML and CSS

February 16: Client-side JavaScript

February 18: Project Milestone 2

February 23: SQL

March 2: NodeJS

March 4: Project Milestone 3

March 9: Web Services

March 16: Test Plan

March 18: Project Milestone 4

March 30: Heroku

April 4: Project Milestone 5

April 13: Project Presentations

Wireframes:

Main page & Login

User profile

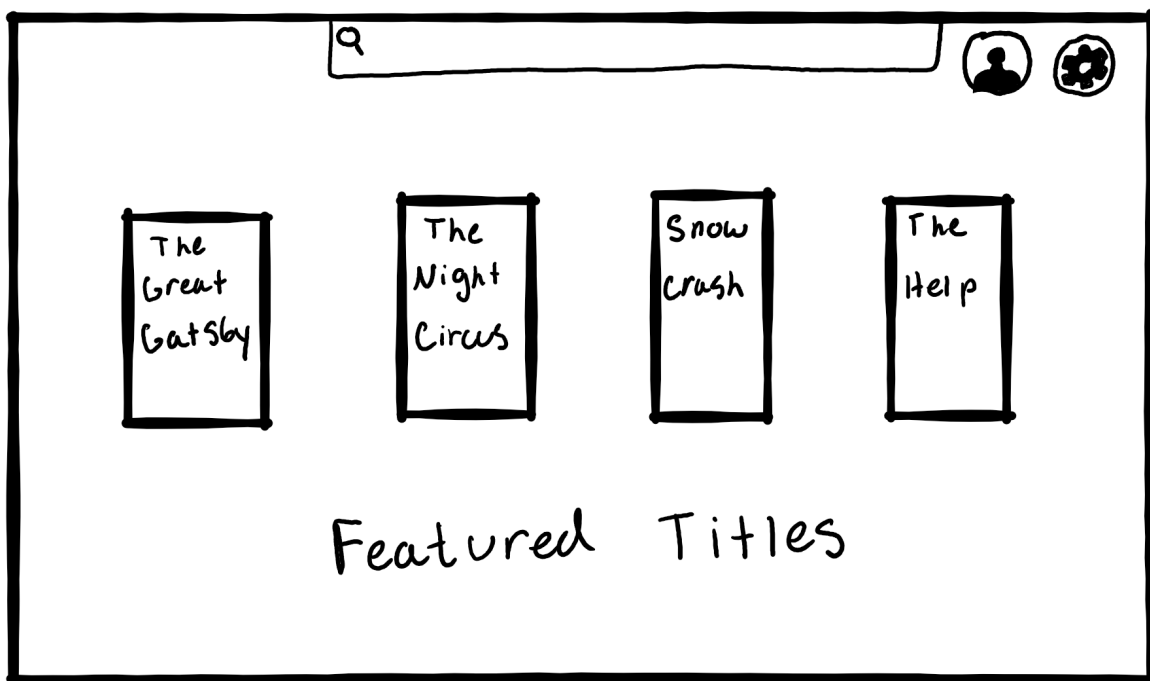
Recommended books page

View Book

Saved Authors

Saved Books

Home Page



Login Page

NextPage

User Login

Username

Password

Login

[Don't have an account? Sign up here!](#)

Recommendation Page

NextPage

Based on your ratings, these books might be your next read!

[To see more books you might like, click here!](#)

Individual Contributions:

Cody Aker: Discussed project features/ descriptions and design/layout. I also created the second and third wireframes in this document

Al Haddad: I worked on the project features and descriptions briefly with Anna, and then typed out the project plan and deadlines which Abigail later moved to a trello board for ease of access.

Anna Rahn: I wrote some of the project features/descriptions, developed epics/user stories/tasks on JIRA (as part of the Requirements section), and organized the project plan.

Abigail Sullivan: Discussed project/design layout and helped with creating wireframes. I also created the Trello board we will be using.

Jingda Yu:

<https://github.com/cub-csci-3308-spring-2022/lab3-011-team6/tree/main>