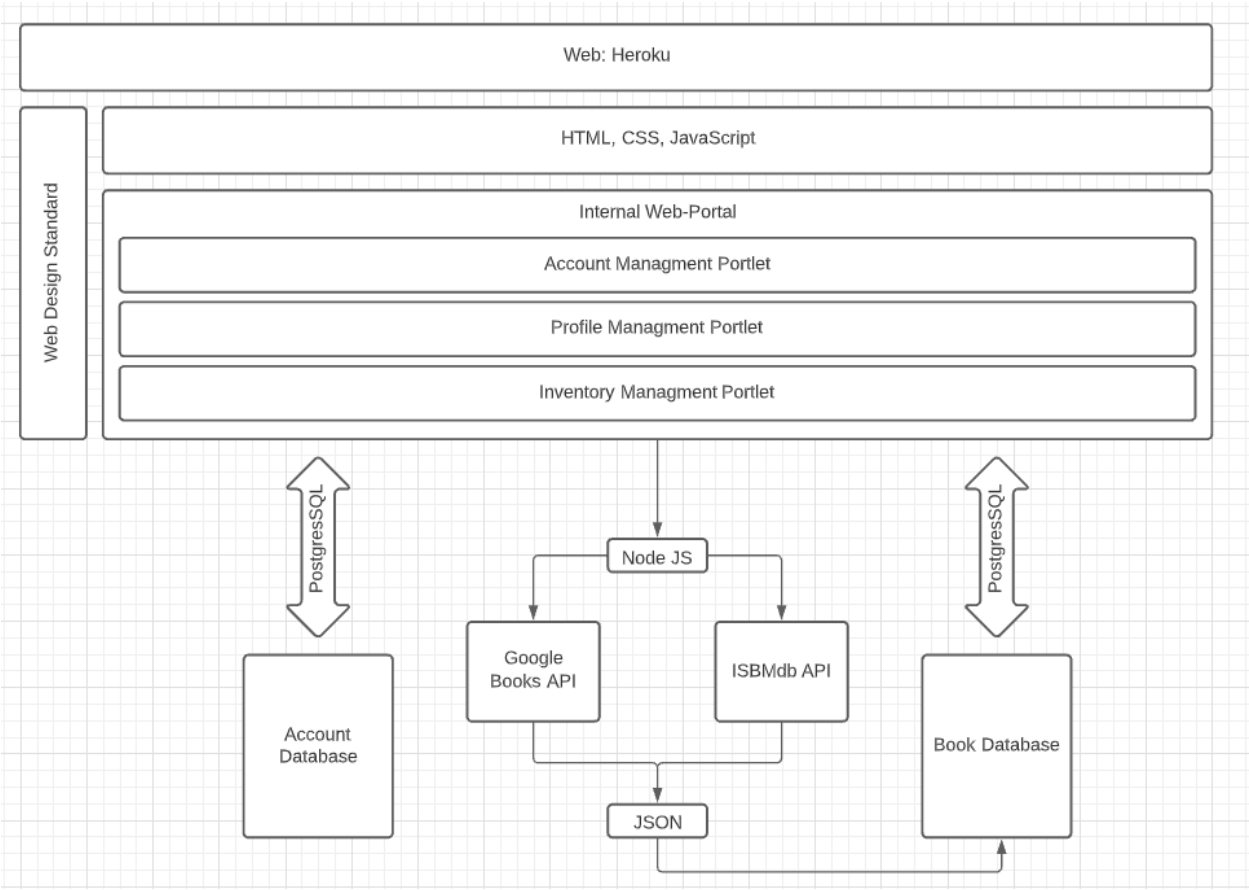
Team 017-02

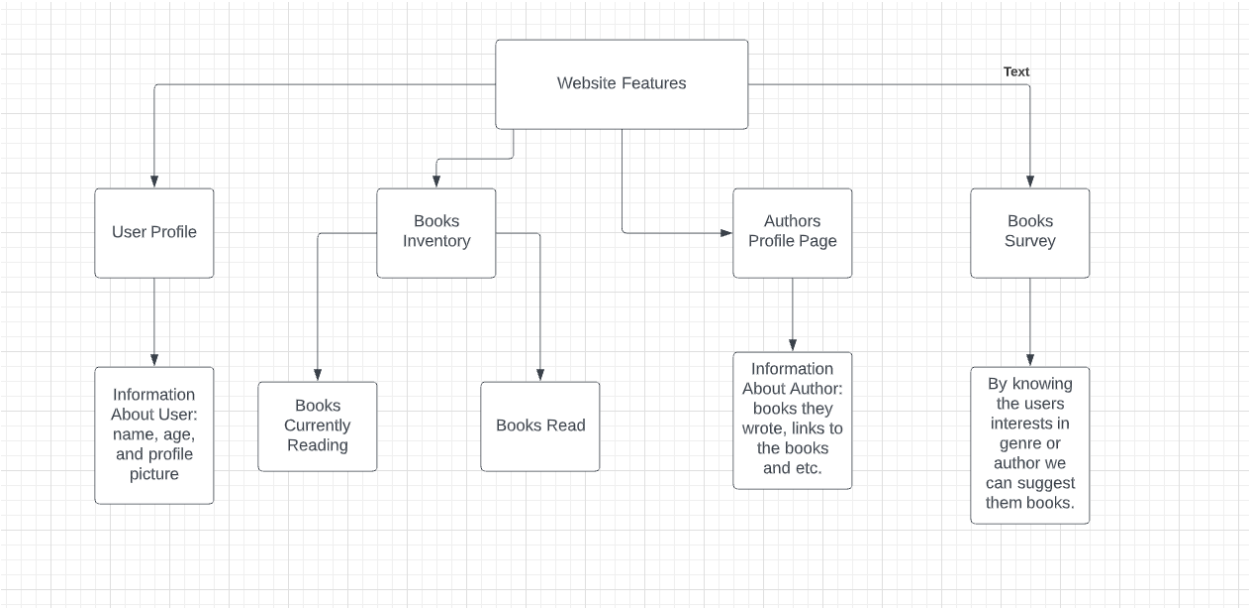
Revised List of Features

- User Profile Page
    - Has the user information such as their name and books they have read or are reading
- Book Inventory
    - User books they have read, reading, books available and more.
- Author Profile Page
    - Author page has information about the author, books they have wrote, links to their books etc
- Book/Genre Survey
    - Survey that has questions about book information then this is used to introduce books for the user.
- Sql database
    - Small sql data info right now, books and user information

Architecture Diagram



Front End Design



Web Service Design

We are using the Google Books API and ISBNDB.

Google Books:

- Inputs:
  - User provided information about the books, title, author, year.
- Outputs
  - List of books that match the information imputed, and popularity. This data will include the ISBNs for the books

ISBNDB

- Inputs
  - ISBN found through the Google Books API
- Outputs
  - Title, Author, Genre, Publication Year, number of pages, synopsys and cover image.

Database Design

Summary:

The database includes tables for the user, author, *friends*, and more. The table for the friends is able to request new entries for friends and is accepted by the user. The user table includes information such as the name of the user, email, current book they're reading, their wish list, and what they have read. The author page mirrors this table but with a different foreign key that is used by the database to be able to determine if the person who set up their account is an author or not. There is also a table for a library that is stored on the website supplying links to the website where the user can buy the book from using the ISBN number that is going to be included in the database.

Data entities:

User, author, Library for books

Attributes:

- User
  - accountID INT IDENTITY(1,1) NOT NULL,
  - firstName VARCHAR(50) NOT NULL,
  - lastName VARCHAR(50) NOT NULL,
  - memberSince DATE NOT NULL,
  - currentlyReading VARCHAR(42),
  - finishedReading VARCHAR(42),
  - Password VARBINARY(100) NOT NULL,
  - Phone INT(13),
  - Address STRING(42),
  - School STRING(42),
  - Email VARCHAR(100) NOT NULL,
  - authorStatus BIT DEFAULT 0;
  - FOREIGN KEY (authorStatus);
- Author
  - (same as user but using foreign key)
- Library
  - ISBN VARCHAR(20) NOT NULL,
  - Author STRING(45),
  - dateBy DATE NOT NULL,
  - bookName VARCHAR(100),
  - readBy REFERENCES users.finsishedReading
- Friends
  - FriendRequestID INT IDENTITY(1,1) NOT NULL,
  - accountID INT NOT NULL REFERENCES users.accountID,
  - requestDate DATETIME() NOT NULL,
  - currentlyReadingFriends REFERENCES users.currentlyReading,
  - finishedReadingFriends REFERENCES users.finishedReading

What is being used:

I am currently using MYSQL VIA the workbench app that comes with SQL.

Challenges

- The biggest challenge all of us have faced so far is understanding NodeJS. The topic is such a massive undertaking, so most of us are stuck trying to figure out the Lab. Needless to say, incorporating backend NodeJS is definitely the greatest challenge to overcome for our group so far.

- Another major challenge we face is clarity as to what we should be doing and when. Since we have started the project by assigning everyone their own little chunk, the greater whole of the project has yet to be envisioned.
- The last challenge we are facing is the incorporation of javascript and API into our website. For example, the home page should be able to load in titles by scraping .jpg images from amazon, and including them in the slider set. Incorporating this is very important and we are still in the process of learning how to make it happen.

Individual Contributions

Zach Trainor

I have been working on the landing page for the actual website and the docker file so we can start locally hosting the website. In this document, I worked on the modified features section, and next plan to incorporate node.js to connect our login/register feature with our database.

Last commit:

https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-02/commit/f74ef13e564c4b890652b7811104c28ca8f7f993

Helen Dupree

I have worked on the Author profile page for the actual website as well as the file structure for the whole project. This past week I have been planning NodeJS implementation. My goal is to continue work on that over spring break and begin work on the API calls.

Last commit:

https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-02/commit/4ba8e0ad2b5b42f040739709af5c93b6240962a6

Ben Burkhalter

I have worked on addressing the challenges our group has been facing and have reflected on that in the challenges section above. Most of my work has been researching NodeJS for lab 7 and trying to wrap my head around the topic. Since so little actual content is covered in class I have had to figure out how to do most stuff by myself. Besides the research, I've adjusted the color scheme in the CSS for the home page based on the TA's suggestions to make the color theme fit in better with the rest of the website. Along with this I had to adjust the linear gradient on the arrow sliders to be transparent to fit the new, lighter background color.

Last commit:

https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-02/commit/702cff1a1d1cdfe273822c3c5e63ceec6f39aa7a

Delan Huang

I've been working on the Architecture Diagram. I've worked on the survey we're going to give the user to determine recommendations to the user. I've also been looking into potential replacements for the GoodReads API as they have ceased giving out keys. Alternatives include a Google Books API and the ISBN API that Helen recommended. In the upcoming weeks I plan to polish up the survey and connect it to the backend to record the users input.

Sayat Toktarov

I have worked on the User profile page for the website and did the Front End diagram. I'm still planning to work on the NodeJs for the website and that is probably what I'm going to do on the spring break.

Last Commit: I couldn't commit on my own so Helen helped me to do it.

https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-02/blob/main/All%20Project%20Code%20Components/views/pages/registration.html

Last commit:
https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-02/blob/f1d0c7d7ce6cb9fe2a8341bb724f45720217e515/All%20Project%20Code%20Components/views/pages/bookSurvey.html

Joseph Sembower
I have been working on the database for the website, I have also been working on some CSS files and other HTML elements to contribute to other members such as menu bars but haven't introduced them to the website or other members code yet.

Last Commit (couldt use the security way used a link that I was directly sent, it is the SQL code for the website)

https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-02/blob/main/All%20Project%20Code%20Components/SQL%20database%20text%20for%20milestone%203.txt