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Capstone Step 2: Project Proposal

GoodReads Clone

October 12, 2024

My Capstone Project will involve creating an app that functions relatively closely to the GoodReads app.

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| **Stack:** | I am most familiar and comfortable with using Python and Flask so my plan is to utilize this for this Capstone project. I would like to use all the features of Flask that we have worked with in the course including: Flask SQLAlchemy, Bcrypt, and Flask-WTF to work with the API. I will use Postgres to initially hold the data for my tables locally. On the front-end I would use Bootstrap, jQuery, and axios to handle requests. I would like to use Javascript to handle front-end requests such as rating a book or sending suggested books to friends.  The back-end would be more of the focus of the project since I am utilizing flask, but I would try to make it evenly focused for a good front-end experience as well. |

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| **Type:** | I would like this project to function as a website and a mobile applicable. If time only allows for one, then I would make it a website. |

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| **Goal:** The goal of this project will be to have a functioning app that allows a user to: | |
|  | * Find books from an API and add them to lists for:   + Books that the user has finished reading   + Books that the user is currently reading   + Books that the user would like to read in the future * Create “shelves” where users can but books collections. * Rate books that they have read on a 1-5 scale * Leave a text review on a book that has been read * Set reading goals and display how much they have met of their goal. * Connect with friends on the app   + See what friends have read and are reading.   + Suggest books to friends * Provide suggestions based on the books that the user has read |

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| **Users:** | The app demographic will include users who are interested in reading, keeping track of their reading habits, and connecting with others who like to read. |

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| **Data:** | Currently I am planning on collecting data through the Google Books API, but this could change if they do not have everything I am looking for. I would like the API to contain:   * A comprehensive list of books that contain the following information:   + Title and Author   + Book cover image   + Literary genre of the book   + A brief description of the books * Querying books based on Literary genre |