My Shelf Proposal

Problem:

- People often find it difficult to find the next book to read.
- Most websites do not have book filter system that is based off of preference, instead they are based off of rating.
-Other websites also have too many other extra applications in one website or app. The focus is taken away from the reader.

Solution:

- Focus more on recommendations for users based on their likes.
- Acquire a more simple and modern look.
- Implement a search based on multiple genres. Genres will be buttons.
- **Keyword/Genre Search (App Idea)**
    - Several buttons with a genre label.(Romance, Horror, Fantasy, Mystery(the genres from the goodreads list))
    - When user clicks on the genre and hits "submit", the books containing that genre will display.
    - Must give back a list of books.
    - User can click on multiple tags for more accurate results.
    - Example:http://screenshots.en.sftcdn.net/en/scrn/318000/318912/8tracks-31.png
    - **Algorithm(Pseudo Code):**
      - Keywords/Tags are all going to be laid out on page starting with more general tags (fiction, historical, fantasy) on top to more specific (1800s, ghosts, high school) as page is scrolled down → keywords are included in API so we will display the keywords included in that API
      - User can select up to 3 keywords/genres and then press submit button
      - Using the keywords/genres chosen, go through the database of books and add the books tagged with those keywords to a new list that will display on the result page

- After the database of books has been gone through, go to result page where all the books in the new list will be shown
-conditional statements

Implementation:
- Backend:JavaScript/Jquery, Database
- UI: HTML, CSS
- API:GoodReads

Monetization: We will have a weekly book feature in which a book will be on our front page and we'll use that as advertisement. We will also have separate ads until the site is able to support itself without it.

Design Documents

Use Case:
- Search Page with Keywords
    1. Display of page with all keywords
    2. User selects a 1-3 keywords and submit is pressed
    3. A search of books based on the tags each book inputted has is done and a list of books with those tags is generated
    4. Display recommendation list

Components:
Book database, Tag/Search system to generate recommendations
- User Search
    - Display of all keywords books are tagged with
    - User can select a three of these keywords
    - User presses submit button → conducts search
    - Display of result list based on books that contain selected keywords

Risk Assessment:

- Book recommendations may not be the most accurate

    -Search database option

-Using the tag system to make recommendations might be a huge component that can take a lot of time.

    If this happens, we will use less tags and or less options.

Team Roles

(Everyone works on backend some just focus in on it)

Jade: Frontend (also conducts research pertaining to this)
Nana: Frontend (also conducts research pertaining to this)
Maria: Backend (also conducts research pertaining to this)
Jackie: Backend(also conducts research pertaining to this)