Book Review Network Product Specification:

Overview:

The goal of this project is to allow a user to search for and create reviews for various books. Users will be able to register for the website using a username and password. Once they log in, they will be able to search for books, leave reviews for individual books, and see the reviews made by other people. A third-party API by Goodreads, another book review website, will be used to pull in ratings from a broader audience. Users will be able to query for book details and book reviews programmatically via the website’s API.

Site Map:

* **If User Not Authenticated**
  + Homepage
  + Login
  + Register
* **If User Authenticated**
  + Logout
  + Dashboard/Search Page
    - Search Result Page/view
      * Book information page
        + Submit a review page

Database:

A SQL Database with the following table structure will be used:

* User
  + ID
  + Username
  + Email
  + Hashed Password
  + RELATIONSHIP with review\_id
* Book
  + ID
  + ISBN
  + Title
  + Author
  + Year Published
  + Relationship with review\_id
* Review
  + ID
  + Title
  + Rating
  + Content
  + Foreign Key: book\_id
  + Foreign Key: user\_id