1. What tech stack will you use for your final project?

I plan on using ReactJS for the front-end and NodeJS for then back-end. Included in the back-end will be bcrypt for authentication.

1. Is the front-end UI or the back-end going to be the focus of your project? Or are you going to make an evenly focused full-stack application?

My hope is to make an evenly focused full-stack application with the back-end handling API calls and the front-end handling the UI.

1. Will this be a website? A mobile app? Something else?

At first, this will be a website.

1. What goal will your project be designed to achieve?

The website will be for book lovers and avid readers. It will provide, in one place, access to information about books of interest to the user, including where the book can be purchased or whether it is available online as a free e-book. Users can create their own ‘bookshelves’ to store information about their favorite books, lists of books they’re currently reading, or books they want to read in the future.

1. What kind of users will visit your app? In other words, what is the demographic of your users?

The web app will be for those who love to read – the sort of people who used to be called “booksworms” but are better called “bibliophiles.”

1. What data do you plan on using? How are you planning on collecting your data?

I plan on using the data housed in the Google Books API. It includes tons of information about specific books. Along with the usual information like author, publisher, copyright, etc. there are blurbs about the book and reviews. Besides that, the web app will use data stored by users on the API - data about their favorite books, their lists of stored books, and their own reviews.

1. What does your database schema look like?

The database will store specific user information that is not stored in the Google Books API. Perhaps, it will include personal ratings, notes to themselves about certain books, their credentials for logging in, among other things.

1. What kinds of issues might you run into with your API?

It looks like users will need their own google account to access the API. API requests are authorized by Oauth 2.0 and users are given short-lived access tokens. All these may present difficulties.

1. Is there any sensitive information you need to secure?

When users sign-up, they will specify a password. That will need to be secured along with email addresses and their own book reviews and ratings.

1. What functionality will your app include?

Users will be able to search for books by author, title, or subject. There will be links to places the books can be purchased and possibly links to free versions of the book, whether open source or a free e-book. Users willl create lists of their favorite books, books they would like to read, books they have read, etc.