

## Novel Reads Site Plan/Design

**Description:** Seeing as how this class has been exceptionally goofy, I thought it best to keep our implementation of this project very simple while meeting all necessary criteria with high quality for a good grade.

That being said, I'm hoping to have this project done primarily in *XAMPP using Apache, mySQL, Js, HTML, CSS, and PHP*.

I still need to finalize how I think the databases should be set up (and I'm close to doing so) but for now, all we need is a table for general logins/registrations (which I'll handle). We did this for our midterm so this shouldn't be an issue or take too long.

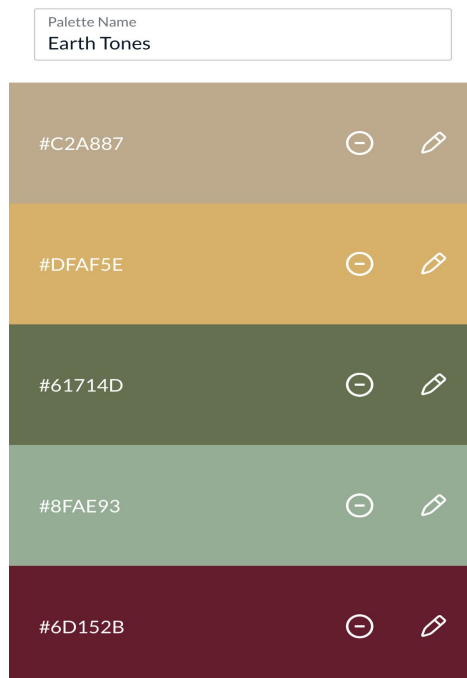
### What's being handled by me for GA4:

**Back-End for GA4 (Group Assignment #4):** PHP and a little HTML for forms, etc.

**mySQL Database Set-Up:** Just making a table to save user information.

### What needs to be handled for GA4:

**CSS** - Just basic styles to make the site look presentable. Looking at the example projects posted on eLC, we don't need to go overboard on design (feel free to do so). I think a simple color scheme and a few pictures will work for now. I think the color scheme below would be good for a book store so feel free to use these hex codes.



**HTML** - Similar to needing CSS, just making the site look pretty. I'll be handling the forms for the login page (please look over my code in case you see anything wrong).

**mySQL\*** - See below. I was hoping one of you can help me with this. (Should be easy).

## Structure of the Database (Subject to Change)

Here are the following tables I've come up with for the Database (called NovelReads).

Table for **Users**

userID	userName	userPass (encrypted)	userEmail	userCell
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Table for **Books (Available to Rent) - Books**

bookID (Auto_Inc)	bookName	bookAuthor	genre	bookPrice
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Table for **Book (Unavailable to Rent) - RentedBooks**

userID	bookID	bookName	genre
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Table for **Genres**

Textbook	Fiction	NonFiction	Comic
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### *The Idea behind these tables \*Important\**

Like I said near the beginning of the document, I want this to be as simple an implementation as possible. To achieve this, I think making Novel Reads a book store with a Rent-to-own structure would be cool (It's practically a library at this point).

A user will add books to a cart (we would use PHP sessions for this) and check out with purchase information. Seeing as how this isn't a real site, we aren't going to verify a user's purchase information.

The information about the books and who they're rented to will be stored in the "**Book (Unavailable to Rent)**" table. A user's ID and the book's ID will be used to retrieve information. Rented books will be removed from the "**Books (Available to Rent)**".

The **Genres** table will be used simply to allow the end user to sort books by genre. (PHP)

### *mySQL\* (from above) - Populating the "Books (Available to Rent)" Table*

It would be great if one of you could create a '.sql' file for us to import into our mySQL to populate the 'Books' table.

I believe 10-15 Books per genre would be sufficient.

Inserting random books like the Harry Potter series and/or Game of Thrones for 'Fiction', Biographies for 'Non-Fiction', college textbooks that we use ourselves for 'Textbooks', and Marvel/DC or Manga for 'Comics.' Titles like these with the necessary column information as listed above.

### Quick Summary

1. Work **Smarter** not harder.
2. If you look at the project description in eLC, you'll see that everything I've typed here, once implemented, **will meet the majority of the requirements** (We still need to incorporate Javascript for input validation).
3. For the HTML and CSS for GA4, I'm basically saying let's set up a *home page* for the site.
4. GA4 is **practically finished** since we implemented it in our midterm so there's not much to worry about.
5. Take a look at the example final projects on eLC so you guys can see what I mean with their designs.

### **6. Ask any questions if we have any or suggest anything would benefit the structure of the site.**