**CLC MILESTONE 1:**

**Domain Write-Up**

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The designed test application will be for accessing a music library. A single user will be able to create and store information on albums such as the artist, song titles, and album title. I user will also have account information stored to create unique and secure logins for each user.

Application Features

After the initial welcome page, a user may immediately login to their account or register for a new account. Each registered user will be able to login to the application and view a list of albums that they have saved. They will also be able to search for specific albums and create new ones. Additional features may include editing existing entries, searching by multiple fields and viewing the library with filters applied.

Framework/Database language

This project will be designed in PHP using an N-Layer approach to the separation of data, business logic, and user interface code. The target cloud hosting service is planned to be on Heroku with a few addons to help database setup. The initial database code will be written with SQL queries. This will use MySQL connection strings to accommodate the JAWSDB addon that Heroku offers. The addition of an N-layered approach allows for quickly changing this out if the project requires it. The user interfaces are going to be constructed with HTML and the use of CSS to clean up its design.