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Software Design and Development

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Implementation Details (Deliverable 4)

This document illustrates the software's functionality through relevant snapshots. Here is the current progress of our website which includes some front-end, back-end, and database screenshots.

**Front-End Display**

**Index.html (Home)**

This page functions as our home screen where some available events will be shown to the user.

A screenshot of a computer

AI-generated content may be incorrect.

**Events.html**

This page will function as the page to fully look through all available events using a search and filters. Currently it is inoperable because of our issues faced with SQLite.

A screen shot of a computer

AI-generated content may be incorrect.

**Login.html**

A simple login for our users.

A screenshot of a computer

AI-generated content may be incorrect.

**Signup.html**

Create Account page for our new users.

A screenshot of a computer

AI-generated content may be incorrect.

**Profile.html**

This page will display information on the logged in user including tickets they have purchased or events they have saved.

A screenshot of a social media profile

AI-generated content may be incorrect.

**Back-End Code**

**App.py**

This handles the main code to run the server and establish our database models. It also handles establishing the routes (http requests) for the website so that the pages may be accessed.

A screen shot of a computer program

AI-generated content may be incorrect.

**Seed\_data.py**

This is our current manual injection of information into SQLite. It is not the long-term solution but is current so that DB info is being displayed on the site.

A screen shot of a computer program

AI-generated content may be incorrect.

**App.js**

App.js handles fetching and displaying events from our DB onto our website

A screen shot of a computer code

AI-generated content may be incorrect.

**Database**

Here is our SQLite Database Currently. We are planning on migrating to MySQL or a different database as our initial experience has not been great. We have injected examples, events, and a user which is all stored in a DB file within the project.

A screenshot of a computer

AI-generated content may be incorrect.

**Goals of Project:**

The current website is a prototype. While full database integration and on-site payment functionality would require a larger-scale development timeline, we are continuing to work on making booking features available—even if only in a simulated or non-functional state for now. Additionally, we plan to improve the website’s CSS to create a more welcoming and user-friendly experience.