**CSE 310 – Applied Programming**

**Module Plan**

|  |  |
| --- | --- |
| **Name:** | Connor Babb |
| **Date:** | 10/6/24 |
| **Teacher:** | Nathan Birch |
| **Module # (1-5):** | 2 |

1. Identify which module you have selected to work on. Place an “X” under the “Selected Module” column.

|  |  |
| --- | --- |
| **Modules** | **Selected Module** |
| Cloud Databases | X |
| Data Analysis |  |
| Game Framework |  |
| GIS Mapping |  |
| Mobile App |  |
| Networking |  |
| SQL Relational Databases |  |
| Web Apps |  |
| Language – C++ |  |
| Language – Java |  |
| Language – Kotlin |  |
| Language – R |  |
| Language – Erlang |  |
| Language – JavaScript |  |
| Language – C# |  |
| Language - TypeScript |  |
| Language – Rust |  |
| Choose Your Own Adventure |  |

1. At a high level, describe the software you plan to create that will fulfill the requirements of this module. This may change as you learn more about the technology or language you are learning.

The To-Do list idea is what I will be doing. I want to create an application that allows users to add, edit, and remove tasks to and from a cloud database. It will also provide users with a lot of different ways for the tasks to interact with them, depending on importance to them and how immediate they must be performed. To make it easier on myself I will be doing a web application that interacts with the user on the computer, due to my limited experience in making any mobile apps.

1. Create a detailed schedule using the table below to complete your selected module during this Sprint. Include details such as what (task), when (time), where (location), and duration. You should also include time to work on your team project. You are expected to spend 16 hours every Sprint working on your individual module, team project, and other activities. Time spent on this individual module should be at least 10 hours.

**All events will take place at my apartment, or maybe the STC.**

|  |  |  |
| --- | --- | --- |
|  | **First Week of Sprint** | **Second Week of Sprint** |
| **Monday** | Read over cloud database documentation in canvas – 1 hr | Code writing in python – 1 hr |
| **Tuesday** | Get firestone working and get everything I need installed and running – 1 hr | Code writing in SQL – 1 hr |
| **Wednesday** | Research how to make a cloud database – 1 hr | Finishing up code – 2 hr |
| **Thursday** | Make plans on what to implement and where(SQL, python, etc.) – 1 hr | Ask AI how to improve program – 1 hr |
| **Friday** | Create python file and SQL file in directory – 1 hr | Work on stretch challenge – 1 hr |
| **Saturday** | Off day – focus on other due dates in school | Finishing touches and bug fixes – 1 hr |

1. Identify at least two risks that you feel will make it difficult to succeed in this module. Identify an action plan to overcome each of these risks.

First: Falling behind like I did last week and not having a great understanding of the software until later, and by then it’s very late. I just need to stick to my schedule listed above.

Second: I’m worried about working with APIs, I’ve never been very good at getting them to work, I just need to make sure I give myself time to learn it this time.