**CSE 310 – Applied Programming**

**Module Plan**

|  |  |
| --- | --- |
| **Name:** | Joseph Allen |
| **Date:** | 9/14/2023 |
| **Teacher:** | Nathan Birch |
| **Module # (1-5):** | 1 |

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

|  |  |
| --- | --- |
| **Modules** | **Selected Module** |
| Cloud Databases |  |
| Data Analysis |  |
| Game Framework |  |
| GIS Mapping |  |
| Mobile App |  |
| Networking |  |
| SQL Relational Databases |  |
| Web Apps |  |
| Language – C++ |  |
| Language – Java | X |
| 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

I want to leverage a weather forecast API that will allow you to get weather info from the past, present, and future.

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.

|  |  |  |
| --- | --- | --- |
|  | **First Week of Sprint** | **Second Week of Sprint** |
| **Monday** | 2h - module | 2h – module |
| **Tuesday** | 1h - team | 1h – team |
| **Wednesday** | 2h - module | 2h – module |
| **Thursday** | 2h - team | 2h – team |
| **Friday** | 1h - module | 1h - module |
| **Saturday** |  |  |

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.

1st risk: Finding an API that works for the project. I want to be able to have lots of information. A way to overcome the risk is just being able to look through many APIs, or make the app based on data from previous years.

2nd risk: Not setting time out to work on the project according to the schedule. With my job and classes, it can be hard to work everything in, but I can make sure there’s time by being ahead on my homework and doing my daily working hours in the morning