**CSE 310 – Applied Programming**

**Module Plan**

|  |  |
| --- | --- |
| **Name:** | Kepler Ridge |
| **Date:** | 10/7/24 |
| **Teacher:** | Brother 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 |  |
| 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 | X |
| 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.
   1. For this project I will be creating objects using Rust. I will also implement a few different search algorithms. I want to use the binary search, linear search, and if that is not enough code I will try building a recursive Fibonacci function.
2. 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** | 1 hour | 1 hour |
| **Tuesday** | 0 | 0 |
| **Wednesday** | 2 hours | 2 hours |
| **Thursday** | 1 hour | 1 hour |
| **Friday** | 0 | 0 |
| **Saturday** | 1.5 hours | 1.5 hours |

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.
   1. The first is a risk or stress point I feel every time I touch a new language which is that there is just a base of best practices and syntax that I don’t know so I worry that I will do fine teaching myself but might fall short when it comes to doing it with best practices. Another risk I see is that once I kind of get into the swing of a new language, I feel like I will be able to code up some searches and a Fibonacci function really quickly so I will have to spend a lot of time just read about the language.