**CSE 310 – Applied Programming**

**Module Plan**

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Module # (1-3): 2

1. Identify which module you have selected to work on. Place an “X” in front of your 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

X Language – Rust

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

The program I plan to create is a daily mood journal that will also create a diagram for a mood blanket. I will use variables to track the moods, expressions for mood to color mapping, conditionals to have a responsive program to the input, loops to iterate over the entries and the blanket pattern, functions to pass data, data structure to track the mood entries, slicing to display a range of entries, and using object oriented techniques using both `struct` and `impl` to

1. Create a detailed schedule using the table below to complete your selected module during this Sprint. Include the task and duration for each day. You are expected to spend 24 hours every Sprint working on this individual module and other activities in the course. Time spent on this individual module should be **at least** 12 hours.

|  |  |  |
| --- | --- | --- |
|  | **First Week of Sprint** | **Second Week of Sprint** |
| **Monday** | Research Rust.  1 hour | Transfer pseudo code to true code.  5 hours. |
| **Tuesday** | Research Rust.  1 hour | Test program, debug, push to Github.  2 hours |
| **Wednesday** | Research Rust and set up development environment to support Rust. Create a simple Hello World to make sure it’s set up correctly  2.5 hours |  |
| **Thursday** |  | Record demo video and upload to teams. Finish writing README.md.  1 hour. |
| **Friday** | Write pseudo code for program and begin README.md file.  1 hour | Complete the turn in document, test code again, and turn it in.  20 mins. |
| **Saturday** | Set up github and project folder and files.  20 minutes |  |

TOTAL TIME: about 14 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.
2. One risk is that my project is a bit ambitious. If I do not carefully plan and prepare for it I will have to change from my original idea and it won’t be as I expected. To overcome this issue, I will make sure to really research rust and keep to my schedule above.
3. Another risk is that I have a tendency to forget to track my tasks. I will set a timer to go off in 30 minute increments and use this to track my tasks accurately.