**CSE 310 – Applied Programming**

**Module Plan**

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Module # (1-3):

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

X Networking

SQL Relational Databases

Web Apps

Language – C++

Language – Java

Language – Kotlin

Language – R

Language – Erlang

Language – JavaScript

Language – C#

Language - TypeScript

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.

I have not used GoLang and am interested in seeing how effective it is in networking. I plan to build a simple REST API using Go for a task manager

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** |  | Store tasks in memory. Implement GET and POST |
| **Tuesday** |  | Add proper HTTP error responses. |
| **Wednesday** | Install Go & set up the development environment. Learn basic syntax. Write a simple “Hello, World” |  |
| **Thursday** | Learn structs and pointers. Learn how GO modules work. | Test API |
| **Friday** | Learn goroutines and channels. Simple a simple HTTP GET request |  |
| **Saturday** | Plan API endpoint |  |

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.

Go’s syntax seems to be very strict. For this I plan to practice small code snippets daily

I will do well to manage my time well by sticking to the schedule set to avoid overcomplicating features