**CSE 310 – Applied Programming**

**Module Plan**

Name: Gabriel Wahlberg

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Module # (1-3):1

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++

X 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.

For my Java project, I will create a student gradebook program that will add more assignments, update assignments, delete assignments, and calculate grades. In creating this program, I will use variables, expressions, conditionals, loops, functions, classes, ArrayList, and I will read and write to a file.

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.

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| --- | --- | --- |
|  | **First Week of Sprint** | **Second Week of Sprint** |
| **Monday** |  | Continue work on program (3 hours) |
| **Tuesday** |  | Continue work on program (3 hours) |
| **Wednesday** |  | Make video with demo and publish (1 hour) |
| **Thursday** | Create module plan and begin research for assignment. (2 hours) | Create readme and submit everything to github (1 hour) |
| **Friday** | Brush up on each requirement of this assignment. Determine where to use each in this assignment (2 hours) |  |
| **Saturday** | Begin work on program (3 hours) |  |

Total time scheduled: 15 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. It has been a few semesters since I have used java and I haven’t used it in some time. I will take some time early this week to re-learn java.
3. I am not very good at making videos and may not have scheduled enough time to make the video for the function of my program. If I need additional time I will be sure to move around my scheduled time.