**CSE 310 – Applied Programming**

**Module Plan**

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| **Name:** | Jacob Gunderson |
| **Date:** | 4/24/23 |
| **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.

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| **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 will create a number guesser where the system has a random number and the user tries to guess it. Once the number is guessed, the program will write out their guesses to a file.

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.

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|  | **First Week of Sprint** | **Second Week of Sprint** |
| **Monday** |  |  |
| **Tuesday** |  | 2 hours (8-10) turn guesser pseudocode into code |
| **Wednesday** | 3 hours researching java in apartment (10-1) |  |
| **Thursday** |  | 2 hours (8-10) make program write to file |
| **Friday** | 2 hours (9-11) think of design and make pseudocode | 1 hour (8-10) debug |
| **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.

I have never used java before so getting used to the syntax and not confusing it with other languages will be difficult. I will do a lot of research and have different websites open as I code to remind me of the correct syntax.

Writing to a file is often times more confusing than I initially expected. This will also be easier with more research and patience.