**CSE 310 – Applied Programming**

**Module Plan**

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| **Date:** | 5/23/2023 |
| **Teacher:** | Jeremiah Pineda |
| **Module # (1-6):** | 3 |

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 | X |
| 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 |  |
| 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.

For this module I plan on writing a program that takes in the results from a group of surveys, then summarizes them and displays the summarized results to the screen as a graph.

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 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** | Study Data analysis | Experiment with Pandas |
| **Tuesday** | Outline code | Write more code |
| **Wednesday** | Study python programming that deals with data analysis | Test code and proofread for errors |
| **Thursday** | Write code | Final edit and review |
| **Friday** | Nothing | Nothing |
| **Saturday** | Nothing | Nothing |

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.

Two risks I have identified are first a lack of understanding of data analysis, and second is that I do not have much practice or experience in using the Pandas module. I intend to do research on data analysis regarding python in order to fix my issues with not having a very good understanding of data analysis. For Pandas, I have decided to play with it a little bit in VS Code before actually using the module, this way I will have a better idea of how it works.