**CSE 310 – Applied Programming**

**Module Plan**

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| **Date:** | 9/18/2023 |
| **Teacher:** | Brother 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 plan to create a framework for a basic social media platform. The focus of this will be better understanding Java’s object-oriented qualities to create accounts and link them to each other. Should all go well with completing the first part, I plan to then build on that by learning to read and write files with Java by saving the accounts and having a simple log-in menu.

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** | Researching, Planning | Organize/Implement linking accounts together |
| **Tuesday** | Set out detailed plan | Clean up interface items |
| **Wednesday** | Make/Organize Classes such as account | Study out read/write files |
| **Thursday** | Work on classes | Figure out system for storing classes as saved data |
| **Friday** | Learn data structures, add friend list feature | Construct log-in interface |
| **Saturday** | Flex Day | Flex Day |

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.

There’s a lot to learn about classes in Java in the space of a couple days. I added a couple flex days in the plan though, so I can take more time to understand complexities here and there.

I usually don’t understand too much about reading and writing to files, so there may be a lot to learn there as well. The plan is to learn all I can from online sources such as W3Schools, then do all I can. The file-writing almost serves like a plan B, if the framework isn’t going too well then I can focus more on the writing, and vice versa.