**CSE 310 – Applied Programming**

**Module Plan**

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| **Name:** | Yat Lam |
| **Date:** | 01/09/2023 |
| **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 – Erlang |  |
| 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.

In this module, I am going to make a family tree. It allows users to add ancestors and off-springs into the tree, including their names, genders, birthplaces, dates of birth, and death. Also, after adding the names, it will display the tree.

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** | 3 hours reading through the tutorial and learning the syntax on W3School. | 2-3 hours connecting the classes together |
| **Tuesday** | 2 hours setting up a Person class and prompting the info of the person | 2 hours displaying the tree |
| **Wednesday** |  |  |
| **Thursday** | 2 hours setting up a Family class |  |
| **Friday** |  |  |
| **Saturday** | 2 hours setting up a Tree class |  |

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.

Connecting a person to another person will make it hard because I need to connect the objects together to put them into a class. I might fail on connecting classes. To solve this problem, I could watch more videos and do more research on Google to understand the concepts more. If this is not working too, I should ask for help from peers, tutors, or instructors.

Displaying the tree in text form is hard too because it’s hard to make a graphic into a text. In this case, I should draw out a tree on a paper and slowing transform the tree from a tree form to a text form.