**CSE 310 – Applied Programming**

**Module Plan**

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| **Name:** | Michael Mariscal |
| **Date:** | 01-10-2022 |
| **Teacher:** |  |
| **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 Platform | X |
| GIS Mapping | X |
| Mobile App | X |
| Networking | X |
| SQL Relational Databases |  |
| Web Apps |  |
| Language – C++ | X |
| Language – Java |  |
| Language – Kotlin |  |
| Language – Python |  |
| 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.

For the first module, I plan on doing the Gis Mapping. I had previous ideas about this, and I wanted to make a program for golf. I plan on making a program where you can track the distance from where you are now to the pin of each hole at a certain golf course.

1. Create a detailed schedule for yourself to complete this module in the two weeks required. Use the table below to help plan out the 16 hours for all activities including planning, research, implementation, testing, and documentation. Include details such as what (task), when (time), where (location), and duration. You should also include time to work on your team project. Remember that you will need to report an accurate summary of hours spent on this individual module and on your team project work.

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|  | **First Week of Sprint** | **Second Week of Sprint** |
| **Monday** | Figure out what I need to do for my module to get started  1 Hour | More work/bugs  2 hours |
| **Tuesday** | Researching topic and any modules that I am not familiar with  4 Hours | Steady work  2 hours |
| **Wednesday** | Planning 2 hours | Steady Work  2 hours |
| **Thursday** | Planning 2 hours | Debugging  1 hour |
| **Friday** | Steady work 2 hours at school | Debugging  1 Hour |
| **Saturday** | Steady work at home 2 hours | Testing  1 Hour |

All of this planning and coding will be done at either school or at my apartment.

1. Identify at least two risks that you feel will make it difficult to succeed on this module. Identify an action plan to overcome each of these risks.

Something that I think will struggle with is the mapping of where you are and coordinate it so that it can track the precise distance for the program. I will need to do some research on this topic and try to figure out different approaches towards this. I know there is so much help there and I feel like it will be easy to find but hard to master it.

Another snag I think I might run into is probably having the time management for this whole project. With other classes and group projects within this class, it will be hard. I need to figure out what other projects I have and see if I could figure out how to coordinate these other projects into it and make it easier for me.