**CSE 310 – Applied Programming**

**Module Plan**

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| **Name:** | Zach N |
| **Date:** | October 2, 2023 |
| **Teacher:** | [Jeremiah Pineda](https://byui.instructure.com/courses/257684/users/375047) |
| **Module # (1-6):** | 2 |

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 | X |
| 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.

I will use Python to create a database from which users can store and retrieve data, likely one of the first four suggestions in the [Module Descriptions Page](https://byui-cse.github.io/cse310-course/modules/module_descriptions.html) (Recipe database, Student Records, employee Directory, inventory management), with the Recipe database feeling the most likely. Requests will likely be handled using queues since I am learning about them in the Programming with Data Structures class (CSE 212).

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** | At least 2 Hours planning and learning how to use SQL Databases | ~ 2-3 Hours Developing Software |
| **Tuesday** | At least 2 Hours Learning how to use SQL Databases via tutorial and experimentation | ~ 2-3 Hours Developing Software |
| **Wednesday** | Ditto | ~ 2-3 Hours Developing Software – Bug testing |
| **Thursday** | Ditto | ~ 2-3 Hours Developing Software – Bug testing |
| **Friday** | ~ 1 Hour Learning how to use SQL Databases  ~ 1 Hour Developing Software for database | ~ 2-3 Hours Finalize Software and submit |
| **Saturday** | Extra Time | Extra Time |

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.

Time management – Increased planning and scheduling in my weekly checklist for school assignments

Falling asleep during tutorials or reading. - Getting better sleep at night and taking regular breaks to practice coding or something else to wake myself up.