**CSE 310 – Applied Programming**

**Module Plan**

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| **Name:** | Samuel Smith |
| **Date:** | 1/28/25 |
| **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 | X |
| Data Analysis |  |
| 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.

I plan to make a database to use with my previously created JavaScript program. I created a program to load and sort items, and I plan to now make a database with an item table and a store table to see which Items are in stock and which ones are not with their details.

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** |  |  |
| **Tuesday** |  | 4hrs Building base database for project |
| **Wednesday** |  | 4hrs data entry for database |
| **Thursday** | 2hrs Researching Firebase tutorial videos | 4hrs implementing previous JS program to pull from the already built database. |
| **Friday** | 2hrs reading firebase documentation | 2hrs debugging and testing. |
| **Saturday** | 2hrs fiddling with code in firebase to get a feel for it. |  |

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.

Last module I had way to large expectations and I’m hoping this module I’ll be able to shoot for the requirements first, then build on top hopefully with extra time. I gave myself plenty of time in the schedule as to hopefully stay on track! I also have no idea how to use firebase. I’ve used mySQL before, but this seems to be a SQL-less database. I’m hoping my preferred method of learning (videos) will help me overcome the knowledge deficit and stay on track!