**CSE 310 – Applied Programming**

**Module Plan**

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| **Name:** | Shane Wocicki |
| **Date:** | 11/03/2023 |
| **Teacher:** | Bro. Pineda |
| **Module # (1-6):** | 4 |

1. Identify which module you have selected to work on. Place an “X” under the “Selected Module” column.

|  |  |
| --- | --- |
| **Modules** | **Selected Module** |
| Cloud Databases |  |
| Data Analysis |  |
| Game Framework |  |
| GIS Mapping |  |
| Mobile App |  |
| Networking |  |
| SQL Relational Databases |  |
| Web Apps |  |
| Language – C++ |  |
| Language – Java |  |
| Language – Kotlin | X |
| 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 am planning on designing a dice rolling program that gives the user the goal at reaching a total of 21 after 4 rolls or staying under 21, if they go over 21 they lose. I have designed a similar dice program in Python so I am hoping that will carry over to Kotlin.

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** |  | 2 |
| **Tuesday** |  | 2 |
| **Wednesday** |  | 2 |
| **Thursday** |  | 2 |
| **Friday** |  | 2 |
| **Saturday** | 4 | TBD |

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.
2. I have never used Kotlin.
3. I have a family reunion this week so for that reason my hours this week will be low.