**CSE 310 – Applied Programming**

**Module Plan**

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| **Name:** | Tianna DeSpain |
| **Date:** | 2/21/2022 |
| **Teacher:** | Brother Pineda |
| **Module # (1-5):** | 4 |

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 |  |
| GIS Mapping |  |
| Mobile App |  |
| Networking |  |
| SQL Relational Databases | X |
| Web Apps |  |
| Language – C++ |  |
| 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.

The software will be a currency calculator with a database for updating and adding different types of currency.

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.

My biggest risk, as usual is over complicating this project. I plan to overcome this risk by meeting the minimum requirements first and then adding more if I have time.   
  
Another risk is connection and security issues on reaching the database. I plan to overcome this risk by watching tutorials on how to configure databases.

1. Create a schedule for yourself to complete this module in the two weeks required. The schedule should include milestones with dates. Milestones are activities that you need to complete related to research, implementation, testing, and documentation.

Milestone one – Research Tuesday Feb. 22, 2022

* Read Relational Database Wiki
* Read Relational Database Oracle
* Review Relational Database W3Schools
* Download SQL Server/Manager
* Create module folder and add Readme and initialize Git

Milestone Two – Structure Chart Friday Feb 25, 2022

* Review requirements and plan description
* Create plan for both backend and frontend in python
* Start readme

Milestone Three – Implementation Monday Feb 28, 2022

* Review example codes
* Watch 3 YouTube videos on databases
* Write code for front-end
* Update Readme

Milestone Four – Implementation Wednesday March 2, 2022

* Build database
* Finish flow of data and run of code
* Update Readme

Milestone Four – Testing & Conclusion Friday March 5, 2022

* Test
* Debug code
* Create demo video
* Finish readme with link.
* Push final to git.