**CSE 310 – Applied Programming**

**Module Plan**

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| **Name:** | Andrew LaPointe |
| **Date:** |  |
| **Teacher:** |  |
| **Module # (1-5):** | 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 | X |
| Game Framework |  |
| GIS Mapping |  |
| Mobile App |  |
| Networking |  |
| SQL Relational Databases |  |
| Web Apps |  |
| Language – C++ |  |
| Language – Java |  |
| Language – Kotlin |  |
| Language – Erlang |  |
| 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.

I plan to learn the R language. In doing this I will be able to demonstrate all the requirements for the module, such as creating graphs and performing various statistical analyses.

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 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.

I have found that I am more able to keep a schedule when it is time based rather than task oriented. Especially because the project is exploratory in nature.

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|  | **First Week of Sprint** | **Second Week of Sprint** |
| **Monday** | 1 research | 1 coding |
| **Tuesday** | 2 learning | 3 coding |
| **Wednesday** | 1 learning | 1 testing |
| **Thursday** | 4 coding | 1 testing |
| **Friday** | 3 coding |  |
| **Saturday** |  |  |

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 last project had a clear product. This sprint I have a much more nebulous goal of learning a language. The way I will attempt to overcome this is by focusing on the module objectives more specifically.

Another difficulty I may have is with the basic implementation of the language. I am totally new to R and have no expectations. The solution for this is that I will reach out to my friends in the data science society. They are very helpful and have already talked me through some basic operations in R.