CSE 310 – Software   
Design and Development

Module Plan: (Put Module Name)

*Fill out each section in the table below.*

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| **Name** | Philip Marvin |
| **Teacher** | Jeremiah Pineda |
| **Section** | 3 |
| **Date** | 5/12/21 |
| **Module # (1-5)** | 2 |

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# PLAN SECTION

## Step 1 – Module Choice

Write the name of which module you chose to implement over the next two weeks. Remember, you must not pick a language or material that you have already mastered either in school or on your own.

Module Choice: [*Language-R*] Data Analysis

## Step 2 – Plan Description

At a high level, describe the software you plan to create that will fulfill the requirements of this module.

I want to get more familiar with Data Science, to expand on my last module a little. However, I’m doing something different, and I’m doing what’s called Sentiment Analysis. It’s a project that looks at language and assesses what sentiments behind the statement are there, and whether they are positive or negative in polarity.

## Step 3 – Risk Assessment and Planning

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.

Risk 1: I’ve never programmed in R before

Plan to overcome Risk 1: This seems like a good resource to start: https://data-flair.training/blogs/r-tutorials-home/

Risk 2: I need to be quicker in making my program compared to last time, knowing it’s 10 days

Plan to overcome Risk 2: Incorporate a schedule that condenses time spent on gathering materials for the project, now that I know I can probably just create example data.

## Step 4 – Schedule Creation

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.

Day 1-3: Create the skeleton of the program (modules, classes, etc), and learn R

Day 4-7: Create and flesh out the functions and methods

Day 8-10: Debugging