CSE 310 – Software   
Design and Development

Module Plan: (Put Module Name)

*Fill out each section in the table below.*

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| **Section** | 3 |
| **Date** | 4/28/21 |
| **Module # (1-5)** | 1 |

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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-Python*]

## 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 learn how to implement artificial intelligence, so I want to start by trying to make software that does “contact tracing”. This means it is an app that can determine who has come into contact with who, which would be an interesting piece of programming to see in action in the wake of COVID-19.

## 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’m relatively inexperienced with AI

Plan to overcome Risk 1: Study up on libraries like Numpy and scikit-learn

Risk 2: I have no data, and I’m not sure how many would be willing to volunteer such an invasive process to glean data

Plan to overcome Risk 2: I could find preexisting data sets, maybe data.gov has something relevant to this?

## 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)

Day 4-7: Data hunting/gathering

Day 8-11: Create the necessary functions

Day 12-14: Debugging/final product