**CSE 310 – Applied Programming**

**W01-Prove: Create Course Plan**

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| **Date:** | 9/11/2023 |
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1. After looking at the Module Description document in I-Learn, select six modules that you want to complete during this course. You cannot repeat a module. You will be responsible for learning the material and creating software to demonstrate what you learned. You can change your mind later in the course based on your experiences. You should not select a module that you have already used before. Mark only one “X” in each of the five columns.

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| **Modules** | **Module**  **#1** | **Module**  **#2** | **Module**  **#3** | **Module**  **#4** | **Module**  **#5** | **Module**  **#6** |
| Cloud Databases | X |  |  |  |  |  |
| Data Analysis |  |  | X |  |  |  |
| Game Framework |  | x |  |  |  |  |
| GIS Mapping |  |  |  | X |  |  |
| Mobile App |  |  |  |  |  | X |
| Networking |  |  |  |  |  |  |
| SQL Relational Databases |  |  |  |  |  |  |
| Web Apps |  |  |  |  | X |  |
| Language – C++ |  |  |  |  |  |  |
| Language – Java |  |  |  |  |  |  |
| Language – Kotlin |  |  |  |  |  |  |
| Language – R |  |  |  |  |  |  |
| Language – Erlang |  |  |  |  |  |  |
| Language – JavaScript |  |  |  |  |  |  |
| Language – C# |  |  |  |  |  |  |
| Language - TypeScript |  |  |  |  |  |  |
| Language – Rust |  |  |  |  |  |  |
| Choose Your Own Adventure |  |  |  |  |  |  |

Please note that the “Choose Your Own Adventure” cannot be done during Module #1 or #2. Please refer to the Module Description document in I-Learn for more information.

1. Complete the following learning skill survey:

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| **Learning Skill** | **Ranking**  **1 = I don’t do this**  **2 = I do this sometimes**  **3 = I do this frequently** |
| **RESEARCH** |  |
| **I use multiple sources of information.** | 3 |
| **I document what I am learning.** | 2 |
| **I prepare well-thought-out questions.** | 2 |
| **I use the scientific method (research, hypothesis, experiment, and conclusion) to solve computing problems.** | 3 |
| **I share what I am learning with others (i.e. collaboration).** | 1 |
| **TIME MANAGEMENT** |  |
| **I manage my time between all my responsibilities.** | 2 |
| **I effectively estimate task duration for assignments and projects based on my previous performance.** | 2 |
| **I create a schedule for all assignments and projects.** | 2 |
| **RISK MANAGEMENT** |  |
| **I always start with identifying what I do not know.** | 2 |
| **I effectively identify what could fail based on my previous experiences.** | 3 |
| **I create mitigation plans for risks related to missing knowledge or potential failures.** | 2 |
| **CONTINUOUS IMPROVEMENT** |  |
| **I honestly identify the mistakes I have made in my work.** | 2 |
| **I develop improvement plans to support future assignments and projects.** | 2 |
| **I am driven by a vision of whom I can become by the creation of goals.** | 3 |

1. Based on your responses in the survey above, write a plan below to improve one behavior starting at the beginning of this course.

* As I look to improve myself, I will start by identifying a behavior to focus on. This behavior should be one that will have a significant impact on my success. For me, I have identified that improving my time management would be most beneficial.

To achieve my time management goals, I have set the following goals:

1. Create a detailed daily schedule of all tasks to be completed.

2. Prioritize my schedule to focus on important tasks first.

3. Minimize my time spent on non-essential tasks.

To achieve goal number 1, I have purchased a daily planner and have scheduled time every morning to review and adjust my schedule for the day. I will also review my completed tasks at the end of each day to identify areas where I can improve my time management.

To achieve goal number 2, I have worked on identifying my important tasks the night before, so that I can prioritize them on my schedule for the following day. I will continue to adjust my priorities based on the time available throughout the day.

To achieve goal number 3, I have implemented time blocking on my schedule to minimize my time spent on non-essential tasks.

As I take steps towards a better version of myself, I will use metrics to measure my progress for each goal. For example, I will track the number of tasks completed each day and the time spent on non-essential tasks. Additionally, I will hold myself accountable by reviewing my progress throughout the day and adjusting as needed.

As I make progress and achieve milestones, I will celebrate the small wins along the way. Doing this will help to keep me motivated and on track towards my goal. However, I understand that creating lasting change will not be easy and may require the support of others like a mentor or accountability partner.

In the end, my commitment and trust in the process will be the driving force behind any positive change I experience. By setting specific goals, creating a plan of action, measuring my progress, and holding myself accountable, I am confident that I can achieve my desired outcome of improved time management.