**CSE 310 – Applied Programming**

**W01-Prove: Create Course Plan**

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| **Date:** | January 9th, 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 |  |  |  |  |  |  |
| Game Framework |  |  |  |  |  |  |
| GIS Mapping |  |  |  |  |  |  |
| Mobile App |  |  |  |  |  |  |
| Networking |  | X |  |  |  |  |
| SQL Relational Databases |  |  | X |  |  |  |
| Web Apps |  |  |  | X |  |  |
| Language – C++ |  |  |  |  | X |  |
| Language – Java |  |  |  |  |  |  |
| Language – Kotlin |  |  |  |  |  |  |
| Language – R |  |  |  |  |  |  |
| Language – Erlang |  |  |  |  |  |  |
| Language – JavaScript |  |  |  |  |  |  |
| Language – C# |  |  |  |  |  |  |
| Language - TypeScript |  |  |  |  |  |  |
| Language – Rust |  |  |  |  |  |  |
| Choose Your Own Adventure |  |  |  |  |  | X |

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.** | 3 |
| **I prepare well-thought-out questions.** | 3 |
| **I use the scientific method (research, hypothesis, experiment, and conclusion) to solve computing problems.** | 2 |
| **I share what I am learning with others (i.e. collaboration).** | 3 |
| **TIME MANAGEMENT** |  |
| **I manage my time between all my responsibilities.** | 1 |
| **I effectively estimate task duration for assignments and projects based on my previous performance.** | 2 |
| **I create a schedule for all assignments and projects.** | 3 |
| **RISK MANAGEMENT** |  |
| **I always start with identifying what I do not know.** | 3 |
| **I effectively identify what could fail based on my previous experiences.** | 2 |
| **I create mitigation plans for risks related to missing knowledge or potential failures.** | 3 |
| **CONTINUOUS IMPROVEMENT** |  |
| **I honestly identify the mistakes I have made in my work.** | 3 |
| **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.

To enhance my skills at the beginning of this course, I will focus on improving my time management.

To achieve this, I will implement the following plan:

Time Tracking and Prioritization: I will start by tracking how I allocate my time among various responsibilities. By keeping a log of my daily activities, I can identify time sinks and prioritize tasks effectively.

Task Duration Estimation: I will work on improving my ability to estimate task durations accurately. I'll analyze my previous performances to understand patterns and use this data to estimate more effectively for future assignments and projects.

Schedule Creation: I commit to creating a comprehensive schedule for all assignments and projects. This will involve breaking down larger tasks into smaller, manageable ones, allotting specific time slots, and adhering to this schedule rigorously.

Time Management Tools: I will explore and adopt time management tools and techniques that suit my preferences. Whether it's using calendar apps, task management software, or productivity methods like Pomodoro, I will experiment to find what works best for me.

Review and Adapt: Regularly, I will review my time management strategies. I'll assess their effectiveness and make necessary adjustments to refine my approach.

Seek Guidance and Support: If I encounter challenges or need guidance in improving my time management skills, I will seek advice from mentors, teachers, or resources available within the course.

By implementing these steps and staying committed to them, I aim to enhance my time management abilities significantly, ensuring I allocate my time more efficiently among my responsibilities and achieve better results in this course.