**CSE 310 – Applied Programming**

**W01-Prove: Create Course Plan**

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| **Name:** | Kepler Ridge |
| **Date:** | 9/20/2024 |
| **Teacher:** | Brother Birch |

1. After looking at the Module Description document in I-Learn, select five 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** |
| Cloud Databases |  |  |  |  |  |
| Data Analysis |  |  |  |  | X |
| Game Framework |  |  |  |  |  |
| GIS Mapping |  |  |  |  |  |
| Mobile App |  |  |  |  |  |
| Networking |  |  |  |  |  |
| SQL Relational Databases |  |  | X |  |  |
| Web Apps |  |  |  |  |  |
| Language – C++ |  |  |  | X |  |
| Language – Java |  |  |  |  |  |
| Language – Kotlin |  |  |  |  |  |
| Language – R |  |  |  |  |  |
| Language – Erlang |  |  |  |  |  |
| Language – JavaScript |  |  |  |  |  |
| Language – C# |  |  |  |  |  |
| Language - TypeScript | X |  |  |  |  |
| Language – Rust |  | X |  |  |  |
| 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.** | 2 |
| **I document what I am learning.** | 1 |
| **I prepare well-thought-out questions.** | 1 |
| **I use the scientific method (research, hypothesis, experiment, and conclusion) to solve computing problems.** | 1 |
| **I share what I am learning with others (i.e. collaboration).** | 3 |
| **TIME MANAGEMENT** |  |
| **I manage my time between all my responsibilities.** | 3 |
| **I effectively estimate task duration for assignments and projects based on my previous performance.** | 2 |
| **I create a schedule for all assignments and projects.** | 1 |
| **RISK MANAGEMENT** |  |
| **I always start with identifying what I do not know.** | 1 |
| **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.** | 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.** | 1 |
| **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.
   1. One of my great pitfalls is that I tend to lean towards ChatGPT almost exclusively to help me debug my code and give me information. Sometimes I do this to a fault and so much so that I will bash my head into it trying to give me help that it clearly can’t do. One thing I plan on doing to improve on using multiple sources is to just read mor documents on software or technology that I am using. The docs are what I call the source of truth on software and I so regularly, out of laziness, do not go read them when I have an issue. Utilizing docs is how I want to improve on using multiple sources of information.