**CSE 310 – Applied Programming**

**W01-Prove: Create Course Plan**

|  |  |
| --- | --- |
| **Name:** | Nathan Hollingshaus |
| **Date:** | 13 September 2021 |
| **Teacher:** | Brother Macbeth |

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.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Modules** | **Module #1** | **Module #2** | **Module #3** | **Module #4** | **Module #5** |
| Cloud Databases |  |  |  |  |  |
| Data Analysis |  |  |  |  |  |
| Game Platform |  |  |  |  |  |
| GIS Mapping |  |  |  |  |  |
| Mobile App |  |  |  |  |  |
| Networking |  |  |  |  |  |
| SQL Relational Databases |  |  | x |  |  |
| Web Apps |  |  |  | x |  |
| Language – C++ |  |  |  |  |  |
| Language – Java |  | x |  |  |  |
| Language – Kotlin |  |  |  |  | x |
| Language – Python | x |  |  |  |  |
| Language – Rust |  |  |  |  |  |
| Choose Your Own Adventure |  |  |  |  | Possibly .netcore  snowflake |

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:

|  |  |
| --- | --- |
| **Learning Skill** | **Ranking – Answer 1 to 3 where**  **1 = I don’t do this**  **2 = I do this sometimes**  **3 = I do this frequently** |
| **RESEARCH** |  |
| **I use multiple sources of information.** | 1 |
| **I document what I am learning.** | 1 |
| **I prepare well thought out questions.** | 2 |
| **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.** | 1 |
| **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.** | 1 |
| **CONTINUOUS IMPROVEMENT** |  |
| **I honestly identify the mistakes I have made in my work.** | 3 |
| **I develop improvement plans to support future assignments and projects.** | 1 |
| **I am driven by a vision of who I can become by the creation of goals.** | 3 |

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

I want to really spend some time this semester focusing on my time management. I am already pretty good at balancing time between multiple responsibilities. This is something I learned on my mission. However, I do not create schedules, and this leads to me underestimating time needed for each assignment. My plan is to create a schedule at the start of each week, really focusing on time for each project and overestimating the time I need for each class. This should allow me to be more organized and prevent being crammed at the end of each week. It will also help me know what to do and when, because sometimes I have so much work at the beginning of the week I don’t know where to start. This schedule will help me with that.