**CSE 310 – Applied Programming**

**Module Plan**

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| **Date:** | 01/13/2021 |
| **Teacher:** | Bro. Macbeth |
| **Module # (1-5):** | 1 |

1. Identify which module you have selected to work on. Place an “X” under the “Selected Module” column.

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| --- | --- |
| **Modules** | **Selected Module** |
| Cloud Databases |  |
| Data Analysis |  |
| Game Platform |  |
| GIS Mapping |  |
| Mobile App |  |
| Networking |  |
| SQL Relational Databases |  |
| Web Apps |  |
| Language – C++ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | X |
| Language – Java |  |
| Language – Kotlin |  |
| Language – Python |  |
| Language – Rust |  |
| Choose Your Own Adventure |  |

1. **At a high level, describe the software you plan to create that will fulfill the requirements of this module.**

I’ve started with testing my compiler and VS Code with a Hello\_World.cpp file. Now I’m going to review each of my past assignments in CS 241 and I took a CSE 124 class (that I’ve failed) about 2 years ago and I want to tie up some loose ends by completing some of the end semester projects that I never completed, like the calendar, mad-lib, and I think there was one more project that implements some simple OOP methods. I also want to see if I can recreate a few early python programs that I have completed.

I may sound ambitious but I actually feel a little like I’m cheating because I retrieved all of my past CSE124 assignments from the school’s Linux server. So, the only way I can truly grow is if I complete what I’ve started 4 years ago and finally finish those end semester assignments and projects even though I will never receive a grade for them.

1. **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.**

The compiler may be difficult to work with, but I think I have it taken care of. I also am apprehensive as to how much time it will take to complete some of those projects but doing them is personal. I will overcome the demon that was born from incompletion that started 4 years ago, and now that I’ve completed a few semesters with flying colors (while taking on some hard classes) it’s time to begin the beginner’s boss fight that I ran from all those years.

I have been out of practice coding in C++, and I actually feel like a beginner who barely knows the concept behind the logic that drives the language.

My action plan for the problems that I’ve stated above, and other problems that will arise have already been prepared for, because this time I’m not a coward that drops classes because of gaming addictions and undiagnosed ADHD and Depression. I am very aware of my condition; I am motivated and am stocked up on Adderall, Vitamin D, and a healthy dietary plan! Other than that, … I can pray that my code compiles as I reread my old CS 124 textbook for some help… if I can retrieve it from my old computer…

1. **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.**

Before the presentation I need to have a working compiler, a hello world file working, and a GitHub repository (DONE!)

By the end of the week, I should have access to my old CS241 textbook as well as a cleaned-up folder with some of my old assignments containing some C++ exercises and the unfinished projects that are my goal to complete and create. I will also have a few Python files that I will try to convert to C++.

I will start to document my progress next week and when I reach Wed next week, I should have remembered all the basics of C++ with one or two Python projects completed.

By the end of W3, I will know how passable my original plan is to complete my old projects within one week in my uncompleted CS 124 class. If I calculate that my progress is not optimal for my first plan, then I will start my second plan which is to convert some CS 241 Python assignments into C++, I have my eye on Bro. Macbeth’s Weather REPEL program that I’ve downloaded, or a simpler program making a list that I can edit… if I don’t have another version in C++ that I can use to cheat.