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2017 - Fall - Software Engineering / W-1 Work

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GOALS / LEARNING OUTCOMES DETAILS

Learning Goal 1

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Goal 1

COMMUNICATING - Oral Communication

Listen and understand the task at hand properly to avoid doing unnecessary work and doing something wrong.

Action Plan 1

Listen and make notes on what is being asked of me. If I do not understand ask and do not be shy to ask.

Measure of Success 1

Taking notes on what is asked of me is very helpful to have a game plan on what to do next. Initially I would do something but it was not quite right, but with my notebook and asking more questions in advanced, I am getting closer to getting what they want the first time around.

Reflection 1

Having this goal helped me understand all aspects of my work there and forced me to communicate and not be shy or feel like I am being a bother. It helped me understand the line between asking too many to not enough questions and when I should ask versus when I should do some independent research.

Learning Goal 2

Learning Goal 2

CRITICAL & CREATIVE THINKING - Inquiry & Analysis

Goal 2

If there is a problem I encounter I need to get better at researching and finding the solution quickly so I can move at a good pace and be more independent

Action Plan 2

Have designated windows open for research on a side monitor. Try to first understand the problem and why I may be getting it then look up how to fix it so I can translate the solution over to my problem with more ease. Keep notes on Google docs or something to have steps I took to resolve my problem incase I encounter it again.

Measure of Success 2

Having multiple tabs kept open helps when looking through problems more efficiently. Keeping track of problems that I encounter helps for when I encounter them again or something similar the next week I know how I could possibly find my solution instead of searching the web.

Reflection 2

Having this as a goal helped me navigate and understand multiple help websites. Know which ones would actually be beneficial to me and not be a complete waste of time. In turn improved my time I spent on problems that I encountered.

Learning Goal 3

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Goal 3

COMMUNICATING - Written Communication

To make sure to take the steps in properly commenting and making documentation for the code I write and make my code readable to other people.

Action Plan 3

Make sure to comment code as I go and at the beginning of functions write something describing what the function does. Keep good coding practices in my mind and test often.

Measure of Success 3

Commenting and keeping good documentation has helped when looking at code I did 2 weeks ago and not being sure what it did exactly and know what that section is supposed to do. Keeping documentation for test cases also helped when I have to redo the testing and I already have a test plan laid out to go through.

Reflection 3

Working on bigger projects helped me appreciate good documentation because there is so much going on, it's difficult to know what each section does exactly. I improved my own skill of documenting my work while making the sections I work on easier to read and understand when other people need to know what I did.

Learning Goal 4

Learning Goal 4

CRITICAL & CREATIVE THINKING - Depth & Breadth of Understanding

Goal 4

Understand what the system I may be working on does and how the code is connected and know which scripts/forms do what.

Action Plan 4

Play with the current system and see how it is supposed to run and look at chunks only because trying to look at the overall picture may be too much to comprehend or complex. If I am confused and ask questions. When facing a new problem try to do some black box testing almost to understand then look at how it corresponds with the code.

Measure of Success 4

This method has helped a lot to understand how a user might see the application and how I have to error check and make sure it is usable for them while gaining an understanding of how the code connects to the UI.

Reflection 4

I realized that working on a new project I may not know exactly what is going on in the back end and how to navigate the front end, but taking the time understand a section of it helped. By taking the time to see how the user would navigate the program, I could make connections to the decisions that were made in the back end. Ultimately I understood the program as a whole better.

Learning Goal 5

Learning Goal 5

PROFESSIONAL & ETHICAL BEHAVIOUR - Personal Organization/Time Management

Goal 5

Manage my time effectively to have time for all the tasks and not waste time when there are other things that can be done.

Action Plan 5

Keep a notebook with task to complete and a log to show what I have done. Remember to use Harvest to track my time. If I am stuck on a problem try and take a break and work on another

Measure of Success 5

task then go back to the problem instead of wasting time.

Keeping a log of my time has helped me see what my past work has been and if I am wasting too much time on a problem and gives me the information in whether I am using my time effectively. Also I can see the areas in where I need to use my time for effectively.

Reflection 5

With multiple tasks and being involved in many little things in a short period of time, I found having a notebook saved time when it came to revisiting what I did, making notes and planning what to do next. It made it simple to switch between tasks I was working on and keep on track and focused.