

# Project

***SWAY by Yu Shing Chi***

School: College East

Class: PN2004K

Module: Python

Group name: MLS

Members: Moses

Zhen Da

Yu Shing Chi

Title: Python Project

Description: Show the countries of visitors in the region(Asia Pacific, South Asia Pacific) during 2007 to 2017

## Week 1 (*Plan Stage*)

### ***Task Done***

*1. Forming the team MLS*

- *Members: Moses, Zhen Da, Me*

*2. Figuring our role in the team and assign task*

*3. Complete Data Camp courses*

- *Introduction to Python*
- *Web Scrapping in Python*

*4. Try out what we have learn on repl.it*

- *to be more familiar with what we have learnt*

*5. Research on tools and solution that is useful*

### ***Journal***

*1) What I think I have done well?*

I think I do well in the DataCamp learning, I am able to complete most of the questions from the course without help of others or clicking on the "hint" tab.

When it comes to questions that are wrong, I will read the question requirement and check the code again.

Upon checking through the codes, I will correct the parts that is wrong.

## *2)Where do I think that I need to improve?*

When it comes to research, I was not really able to filter what will be useful.

Hence, I wasted a tremendous amount on time on sites and resources that is not useful for this project.

I need to be more specific when searching online, also I need to be more familiar on the topic so that I can tell what resources will be useful for this project

When I put python into real practice, I realize that I am still unfamiliar with the codes as a lot of error pop up.

I need to practice more so that I will be more familiar when it comes to coding and then I can reduce less error.

## *3)What have I learn in this week?*

The basics of Python and how to put in practice.

Examples of BMI Calculator, GPA Calculator and Country dictionary

## **Week 2 (Explore Stage)**

### **Task Done**

*1.Using Project-Based Learning Tab in Microsoft Teams as it can always give an idea on what progress am I in*

*2.Practise more on Python coding so that I am good enough to do the Project*

*3.Created a FLOWCHART so that I can cope with when coding*

*4.Implementing what I have learn into this project*

### **Journal**

*1)What I think I have done well?*

I have done well when it comes tom practice this week.

When doing practice given by teacher, I am able to make much less mistake when coding and able to finish my work on time.

### *2)Where do I think that I need to improve?*

My Flowchart was not up to standard, I was not able to draft the flowchart using the correct symbols.

I need to have a clear idea of what am I going to do when creating flowchart as flowchart is the table of sequence to guide myself when coding.

When it comes to troubleshoot, I have quite a lot of mistakes on codes that was new learnt.

I was not able to figure out how to use the new code properly, I need to be better in using the new codes.

Also, I was not able to fix the error from the new codes (functions) on my own.

I need to do research online so that I know how to deal with errors from the new codes and put them in use next time.

### *3)What have I learn in this week?*

How to use function and dealing with errors from code

## **Week 3 (Practice Stage)**

### **Task Done**

*1.Start coding according to Flowchart*

*2.Refer to online resources that was previously found*

*3.Testing and Troubleshooting*

- test my codes for errors and fix it

*4.Improving on the codes*

- find ways to improve on my outcome

### **Journal**

#### *1)What I think I have done well?*

I have done well in troubleshooting, this week when a error pops up, I am able to pin point where and what is the error.

Knowing that what is wrong allow me to correct my code easily.

Even if I don't know how to correct my error, I can easily find the solution online as I know what my error was,

*2)Where do I think that I need to improve?*

I am not good when it comes to improving my code.

When I can print out the visitors of countries in the region, I considered myself done with the project.

I can add a lot more stuff into the codes like adding a list of total visitors of each country, printing the outcome in descending order.

Also, I am did not refer to my flowchart so that my sequence of code was wrong.

Some of my errors were cause by not following the Flowchart, I need to refer to flowchart so that the chances of having error can be decreased.

*3)What have I learn in this week?*

Adding elements into directory, how to put the outcome in descending order.

## **Week 4 (Perform Stage)**

### **Task Done**

*1.Discuss with my group that will there be any other way to code this*

*2.Try out the other approaches*

*3.Mixing both approaches to come out with the best solution*

*4.Upload a save of our work*

### **Journal**

*1)What I think I have done well?*

I have done well when trying out the other approach.

As the other approach requires less lines comparing to the first approach. While the first approach is easier to understand

So I try to mix both approaches and come out with a short and neat version.

And I did it.

*2)Where do I think that I need to improve?*

I need to improve on my journal, my journal was not up to standard.

As I was not detailed and some of my points are repeated or useless.

I redo my journal for 3 times to come out with this version.

I think I need to practice more on this so that I can do well for my future journals.

*3)What have I learn in this week?*

Other ways of coding for the same outcome

## **Conclusion**

This project is a platform to showcase what we have learnt for Python. I become better when coding after this project, also I find out a lot things that I need to improve on myself.

### **Journal**

*1)What I think I have done well?*

I think I have done well in keeping all my work in line, all my work followed the schedule and no delay was needed.

Such that I have enough time for each part of my project and able to hand in my final outcome on time.

*2)Where do I think that I need to improve?*

I need to improve on my journal and coding.

My journal has a lot issues and it is always not up to standard, I hope my journal will be up to standard next time.

My coding still have a lot error, I hope I can minimize the error made by myself so that I don't need that much time for troubleshoot.

*3)What have I learn in this project?*

I have learnt how to code and do my journal properly.

## ***LINKS***

repl.it link

<https://repl.it/@yushingchi/Project#main.py>

github link

<https://github.com/YuShingChi/Project>

sway link

<https://sway.office.com/XNDDza65lZpjOWAS?ref=Link>

flowchart link

<https://urlshortner.org/8lRQK>