

Project 2

*ensure you have read course policies in D2L shell

Required python aspects for this project

- Pseudocode
- Submission of code in D2L (pseudocode is in a block comment at the beginning of the code)
- A **10 minute** video of you running your script in your environment, your video must have you verbally describing your code and what is happening at execution. 10 minutes is a firm stop point. Anything past that will not be watched.
- In your video, specifically point out in your code the required python requirements listed below.
 - Windows API (5 unique pywin32 modules)
 - Each module requires a detailed explanation
- Do not submit a link to YouTube or other public video sharing service you have created for your submission. Your submissions needs to be handed in through D2L. Failure to do this will result in a 0%

Scenario:

You have been hired to write a python script in the Windows environment. Your client wants you to utilize pywin32 and develop a system administrator script that will automate a task(s) within the Windows environment. Your client has stated that the modules within pywin32 that you choose doesn't matter to them, but they want it to be useful for a system administrator.

- Research Windows API.
- Research pywin32
- Develop a script based on Windows API.
- Create a Justification Document.

The hiring company wants to see a script utilizing Windows API in action. They specifically want to see **5 unique modules** of that API demonstrated. You have been provided with this link regarding modules.

<http://timgolden.me.uk/pywin32-docs/contents.html>

In addition to the 5 unique modules the hiring company requires a justification document.

Document must answer the following:

- What is the purpose of the script? What business need is being met?
- Reasoning(justification) for why you chose **each** particular Function and how does it support the goal/purpose of the project.
- This is a formal document, so presentation matters. A client is seeing this so ensure that you take care in how you format this document. Your grade will reflect this effort

*In D2L you will be submitting 3 items.

1. Your Code
2. Your Video
3. Your Justification Document

*Student submissions will be highly scrutinized for similarities within cohorts and across cohorts.

Content

	Grade Achieved			
	0	1	2	3
Module 1	Not done	Attempted but code was incomplete, confusing to	Completed the required section of code.	Task is completed.

		follow, explanation was not strong. Commenting was absent.	Incomplete or lack of depth of explanation in video. Commenting was present but needed more depth	Code is simple to follow. Explanation of section in video demonstrates strong knowledge of task.
Module 2	Not done	Attempted but code was incomplete, confusing to follow, explanation was not strong. Commenting was absent.	Completed the required section of code. Incomplete or lack of depth of explanation in video. Commenting was present but needed more depth	Task is completed. Code is simple to follow. Explanation of section in video demonstrates strong knowledge of task.
Module 3	Not done	Attempted but code was incomplete, confusing to follow, explanation was not strong. Commenting was absent.	Completed the required section of code. Incomplete or lack of depth of explanation in video. Commenting was present but needed more depth.	Task is completed. Code is simple to follow. Explanation of section in video demonstrates strong knowledge of task.
Module 5	Not done	Attempted but code was incomplete, confusing to follow, explanation was not strong.	Completed the required section of code. Incomplete or lack of depth of explanation in video.	Task is completed. Code is simple to follow. Explanation of section in video demonstrates

		Commenting was absent.	Commenting was present but needed more depth	strong knowledge of task.
Total				15

Justification Documentation

	Grade Achieved			
	0	1	2	3
What is the purpose of the script? What is the business need being met	Not done	Attempted, but section was needing a lot more depth and explanation. Formatting of document was poor. Generally this section would need some major touch ups before it was able to be presented to a client	Completed the required section. More depth required when it came to explaining what the purpose of the script was and/or describing the business need this script meets	Task is completed. Section is simple to follow. Explanation of section demonstrates strong knowledge of task.
Module 1	Not done	Attempted, but section was needing a lot more depth and explanation. Formatting of document was poor. Generally this section would need some major touch ups before it	Completed the required section. More depth required when it came to explaining what the purpose of the script was and/or describing the business	Task is completed. Section is simple to follow. Explanation of section demonstrates strong knowledge of task.

		was able to be presented to a client	need this script meets	
Module 2	Not done	Attempted, but section was needing a lot more depth and explanation. Formatting of document was poor. Generally this section would need some major touch ups before it was able to be presented to a client	Completed the required section. More depth required when it came to explaining what the purpose of the script was and/or describing the business need this script meets	Task is completed. Section is simple to follow. Explanation of section demonstrates strong knowledge of task.
Module 3	Not done	Attempted, but section was needing a lot more depth and explanation. Formatting of document was poor. Generally this section would need some major touch ups before it was able to be presented to a client	Completed the required section. More depth required when it came to explaining what the purpose of the script was and/or describing the business need this script meets	Task is completed. Section is simple to follow. Explanation of section demonstrates strong knowledge of task.
Module 4	Not done	Attempted, but section was needing a lot more depth and explanation.	Completed the required section. More depth required when it came	Task is completed. Section is simple to follow.

		Formatting of document was poor. Generally this section would need some major touch ups before it was able to be presented to a client	to explaining what the purpose of the script was and/or describing the business need this script meets	Explanation of section demonstrates strong knowledge of task.
Module 5	Not done	Attempted, but section was needing a lot more depth and explanation. Formatting of document was poor. Generally this section would need some major touch ups before it was able to be presented to a client	Completed the required section. More depth required when it came to explaining what the purpose of the script was and/or describing the business need this script meets	Task is completed. Section is simple to follow. Explanation of section demonstrates strong knowledge of task.
Total				18

Presentation

	Grade Received		
	0	1	2
Code:Pseudocode	Not done	Present but requires more thoughtful creation. The logic behind the	Presentation was very clear. Simple to follow the logic.

		pseudocode is not clear	
Video	Video was very hard to follow.	Explanations with video are disjointed. The flow of how items are explained required the watcher to go back and rewatch	Presentation was very clear. Easily able to understand everything that was demonstrated
Total			4

*Your instructors have seen so much code in their careers that at this point it is extremely easy to determine when someone is cheating. Do yourself a favour and don't cheat. 20% would be a tremendous hit to your final grade

*Comment everything

*Reference everything

Content	15
Justification Document	18
Presentation	4
Total	37