

CS 2316

Individual Extra Credit Mini HW – Exploring the Modules

Due: Tuesday July 23rd before recitation

Out of 50 points - Up to 50 points will be added to your lowest homework grade (not to exceed the normal maximum for that homework).

Files to submit: 1. MiniHW.py

2 (maybe). A video/YouTube link to a video of you presenting your assignment

For Help:

- TA Helpdesk – Schedule posted on class website.

– Email TA's or use T-Square Forums

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Notes:

← **Don't forget to include the required comments and collaboration statement (as outlined on the course syllabus).**

← **Do not wait until the last minute** to do this assignment in case you run into problems.

Part 1- The Basics

Hey guys! This assignment is pretty straight forward. Think back to all your homeworks (even from 1301). There are tons of assignments we have done and lessons we have learned from modules! They are so versatile, and they become very useful for us. Think about it, how would we make our GUIs without tkinter?! So, your assignment is to show the TAs and fellow classmates a module YOU find!

You will find a module from <http://docs.python.org/3/py-modindex.html> as they are built into Python 3 and should already be accessible. IF YOU WANT TO GO ABOVE AND BEYOND (for up to 3 bonus points), find and download a module that isn't on that website. Make sure you cite the source where you found your module.

Okay so you got the module you wanna do, now what? You will read up on that module and create a useful/fun function that uses that module. The more you show your knowledge of the module, the more likely you will get close to a 50/50. We want this to be the opportunity to show us some stuff you've learned. You can incorporate lists, dictionaries, and even GUIs into this! Show off to us! One catch- your special module cannot be one we cover in class (such as tkinter, urllib, re, math, string, etc..) You can use them in your function, but that cannot be the star module!

Part 2- The Presentation

So, self discovery is great and all, BUT we want you to share the cool module you found and function you made! Obviously, you all cannot present in front of the class because we have the distance learners, so you have two options. For local students, present during recitation. Just a quick short demonstration of the module is all we need. For the distance learners, I still want to learn about what you did! Submit a .mov, .avi, or a YouTube link of you explaining your module and function using the

module. (Local students can submit a video if they prefer...)

This is your chance to be extra creative and explore the world of Python!

Grading Breakdown

Citing source	5
Finding a module(not already covered)	5
Creating a function incorporating module	10
Function also demonstrates other Python skills	10
Presenting in recitation/via video the function/module	20
Bonus if using a module not from site given	up to 3!
Total	53 (with bonus)