

OMIS 30 - Fall 2020 - Project 4 SYNC

Logistics:

Assigned: Thursday, November 19, 2020

Due: Thursday, December 12, 2020

The requirements for this project are:

- Demonstrate mastery of (in Python):
 - Variable types (e.g. ints, strings, lists, dicts, etc.)
 - If/elif/else
 - Loops
 - Functions
- Build a stand-alone application

Project Objective

- Create a Flask WebApp with 3 financial , using html web forms, passing arguments through the url (also known as a GET request).

Collaboration:

You will work as a group on the assignment. Your group must be 3-4 members You are allowed and encouraged to use Google extensively.

note: Groups have already been assigned in class.

Submission:

- Zip your files to a folder. Name that zip file <yourgroupname>_project4_fall2018.
- Include a .txt file that includes each team member's name and username. Also include each team member's name and username as a comment at the top of every code file.
- Make sure it runs completely and correctly on your computer
- Submit it via Camino

Grading Rubric:

Section	Grade	Criteria
Strategy & code	20%	Order of code, procedures, correctness
Mastery of data types	15%	Use variable types & structures to your advantage and apply them efficiently.
Endpoints	30%	Create AT LEAST 6 functions/endpoints. Or, use passed in arguments to change how your

		endpoints behaves
Interactive Robustness	10%	No user input should be able to “break” your app/code (if interactive). No bad file upload should be able to “break” you calculator (if a calculator).
Code Readability	10%	Documentation of author & dates; Explanation of steps; Use of whitespace; Naming convention of variables; Sequencing of code and outputs
Working HTML	10%	Return correct and functional HTML. You may use the templates provided.
Release Documentation	5%	Write a user document describing your app/tool, how to use it, what went into developing it, and any known limitations. Though you wouldn’t normally include this in the Release Notes, you may add an appendix to describe what you did in the code/why you deserve credit for each requirement.

Bonus:

- Host your app on AWS or GCP