

Project Check in Progress:

Focused on 8) Accounting: (exception handling, errors, and user input fails)

Progress:

- After reviewing my code through visual studio code, most of my code has been robust and handles the checks decently well. All except for the main dish what asking how many they will order. That portion of the program resulted in a value error as it couldn't handle chars such as a, x # etc. So, my solution was to add a try and except to counter that. And it handles that pretty well. Though an issue still arises after doing it and x number of times negative integers still get through so that still needs to be improved.
- There was also a check that I never covered in it use if the customer (I know it's spelled costumer... I'll fixed its grammar in due time) and that check was if the customer paid the flat amount. It still does the check if someone were to through in a letter or less than the amount as well as a negative integer. Therefore, I added that check for that condition which fixed that.

Focused on 2) To protecting sensitive files by marking them as private through GitHub.

Progress:

- Currently I'm still doing research in how to do it. As I'm mainly focusing in protecting the text files in ensuring they aren't modified through the text itself. From GitHub instructions, it requires me to do so form a git repository via terminal.

Issues I will try to attempt:

- 1) Encrypting the text files to prevent them from being tampered with.
- 2) Attempt to fix the handling errors where they end up accepting negative integers.
- 3) I want to try template for some to the generated strings that run through the define welcome customer.
- 4) Lastly to find a way to hide the text files, and sanitize my files to check if it exists and if it runs

Sources used:

<https://www.stackhawk.com/blog/command-injection-python/>

<https://rules.sonarsource.com/python/RSPEC-2737>

<https://resources.infosecinstitute.com/topic/python-language-basics-understanding-exception-handling/>

<https://snyk.io/blog/the-dangers-of-assert-in-python/>

<https://docs.python.org/3/tutorial/errors.html#predefined-clean-up-actions>

<https://docs.python.org/3/tutorial/errors.html>

<https://www.techtarget.com/searchsecurity/feature/Exception-handling-best-practices-call-for-secure-code-design>

<https://docs.python.org/3.5/library/itertools.html>

<https://blog.sqreen.com/developer-security-best-practices-how-to-validate-input-data-in-python/>

<https://problemsolvingwithpython.com/08-If-Else-Try-Except/08.05-Try-Except-Statements/>

<https://www.dremendo.com/python-programming-tutorial/python-if-elif-questions/q2-check-number-is-positive-negative-or-zero-in-python>

<https://pynative.com/python-check-user-input-is-number-or-string/>

<https://programming-21.mooc.fi/part-6/3-errors>

Sources recommended by Professor:

<https://www.pythonforbeginners.com/control-flow-2/when-to-use-try-catch-instead-of-if-else>

<https://docs.python.org/3/library/exceptions.html>

<https://docs.python.org/3/library/stdtypes.html#str.isdigit>