

PCC Banking Self-Service

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Program Description

This is a self service portal for PCC banking.

Input

- Integer, option menu choice
- Float, deposit/withdraw amount

Output

- Account balance, withdraw / deposit confirmation, and welcome/goodbye messages

Test Plan Overview

Primary focus is testing that data input validation is being performed correctly, and that large quantity data is being calculated correctly.

Test Cases

Test Case 1: String into int

Summary	Check error handling of string in int input
Test Procedure	Enter string into choice
Test Data	U
Expected Result	Invalid integer.

Test Case 2: Negative int input

Summary	Check error catching of negative integer
Test Procedure	Enter -4 into one input, positive into others
Test Data	6, -5, 1, 9
Expected Result	Print error message "Choice was invalid. Please enter a 1, 2, or 3. Enter 4 to quit."

Test Case 3: Null input (all)

Summary	Check handling of null data in program
Test Procedure	Just spam enter into all inputs
Test Data	
Expected Result	Invalid input.

Test Case 3: Null input (single)

Summary	Check handling of null data in program
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Test Procedure	Enter null data into an input
Test Data	2, , , 5
Expected Result	Invalid input.; Invalid input.; You are depositing: \$5.00

Test Case 4: really-really-really-really-really long int input

Summary	Checks if Python explodes after entering an absurd amount of data
Test Procedure	Enter a num larger than the entire 2022 global gross domestic product
Test Data	2, 29219742925945, 1
Expected Result	You are depositing: \$29219742925945.00; Account balance: \$ 29219742925945.00

Test Case 5: Neg number into deposit

Summary	Checks if negative number can be sent to deposit
Test Procedure	Enter a negative number into the deposit page
Test Data	2, -10
Expected Result	Input can not be a negative number. Please enter a positive number or 0 to transaction

Test Case 6: Neg number into withdraw

Summary	Checks if negative number can be sent to withdraw
Test Procedure	Enter a negative number into the deposit page
Test Data	3, -10
Expected Result	Input can not be a negative number. Please enter a positive number or 0 to transaction