

Success Criteria:

- The program asks for an input from the user in the format “How much change is owed? ”
- If the input is not non negative, the program re-prompts the user for a valid value for change
- The program rounds the given change to two decimal points and converts the given value from dollars to cents
- The program correctly calculates the minimum number of coins needed to return the given change
- The program outputs the minimum number of coins needed in the format “You need ... number of coins”

Test Plan:

Circumstance	Test Input	Expected Output	Actual Output
The input is zero	0	You need 0 coins	You need 0 coins
The input is an integer	5	You need 20 coins	You need 20 coins
The input has one decimal point	1.2	You need 6 coins	You need 6 coins
The change has two decimal points	1.67	You need 10 coins	You need 10 coins
The input has more than two decimal points	2.226	You need 13 coins	You need 13 coins
The input has a negative value	-1.25	How much change is owed?	How much change is owed?

Flow Chart:

