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CMSC 105

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**Design**

Main

#welcome message

#list cleaning types and tell user what defines a small medium or large house

#get user input and assign to variables

Numrooms = user input

Cleantype = user input

#define house as small medium or large

If numrooms is 1 then small

If numrooms is 2-3 then medium

If numrooms is 4 or more then large

#define basic/base cost of each clean type

Full deep clean is 150

Regular clean Is 100

Vacuum and mop is 50

#calculate total cost

Small house is just basic cost of cleaning

Medium house is 2.5 the basic cost of cleaning

Large house Is 3.5 the basic cost of cleaning

#print total cost

print the total cost of cleaning services

End

**Test Plan**

Test# clean type house size Expected output

1 vacuum and mop medium(3 bed) 50 basic clean cost

2.5 multiplier for medium house

125 total cost

2 regular clean small (1 bed) 100 basic clean

1 multiplier for small house

100 total cost

3 full deep clean large(5 bed) 150 basic clean cost

3.5 multiplier for large house

525 total cost

**Screen Shots**

**Test1**

**A screenshot of a computer

Description automatically generated**

**Test 2**

**A screenshot of a computer

Description automatically generated**

**Test 3**

**A screenshot of a computer

Description automatically generated**