Unit 4 2022 Mock Lawn

Mohammed Mahin Ibnay Mamun

TEST PLAN 1

11 normal, 8 extreme and 7 boundary tests

Test No	Purpose of test	Test Data	Expected result
1	normal testing	Run code to see if name can be inputted	Should allow user to enter name
2	normal testing	Run code to see if the address can be inputted	Code should let the user type their address
3	normal testing	Run code to see if number can be inputted	Code will ask for number from the user
4	normal testing	Does code display variables in a list	Code should say customer details and print out the following
5	normal testing	Check code if user can enter width of lawn	Should let user enter an integer value
6	normal testing	Check code if user can enter width of lawn	Should let user enter an integer value
7	normal testing	Does code display variables for the surface in a list	Code should say lawn details and print out the values from the variable's length and width
8	normal testing	Does list for quality details display	Code should run all the options for qualities and the price per square metre

9	Normal tested	Can user enter an input for their choice of quality	Should allow user to enter a number 1 2 or 3
10	normal testing	Does the code show how much per square metre cost	Code should say the amount per square metre
11	Normal testing	Does code print a summary of all the costs	Bottom of code should display the vat subtotal and final total with vat
12	Extreme testing	Checking what happens if name is left empty	Code should repeat in a while loop until there is an input
13	Extreme testing	Checking what happens if the address is left empty	Code should repeat in a while loop until there is an input
14	Extreme testing	Checking what happens if the number is left empty	Code should repeat in a while loop until there is an input
15	Extreme testing	What happens when entry of length is too much	Should repeat over again un till it meets the range
16	Extreme testing	What happens when entry of width is too much	Code should repeat until it matches the range

17	Extreme testing	What happens when entry of length is too less	Code shall keep repeating until the user enters in the range
18	Extreme testing	What happens when entry of length is too less	Code shall keep repeating until the user enters in the range
19	Extreme testing	What happens if the user enters out of range 1 2 or 3 for the quality of lawn	Code shall keep repeating until the user enters in the range
20	Boundry testing	What happens if we get a 30 width by 50 length and luxury quality	The bill at the end of the code will be displayed and the total will be high
21	Boundry testing	What happens if we get a 2 width by 2 length economy quality	The total will be low but not the lowest possible
22	Boundry testing	What happens if we get a 30 width by 50 length and standard quality	Cost will be high but not the highest possible
23	Boundry testing	What happens if we get a 2 width by 2 length standard quality	The total will be low but not the lowest possible
24	Boundry testing	What happens if we get a 30 width by 50 length and economy quality	Cost will be high but not the highest possible
25	Boundry testing	What happens if we get a 2 width by 2 length economy quality	This will be the lowest possible cost

26	Boundry testing	What happens if we go for the medium and get 14 widths by 28 and standard	The result of this will be the midpoint of all code

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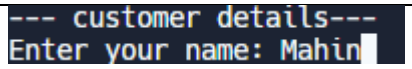
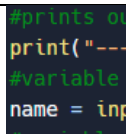
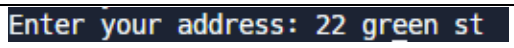
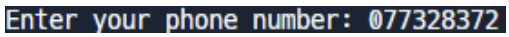
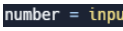
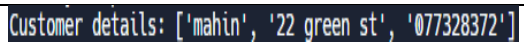
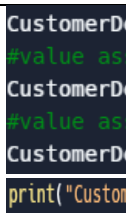
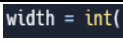
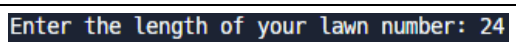
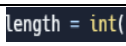
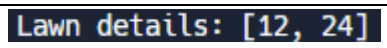
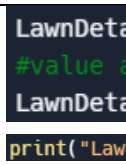
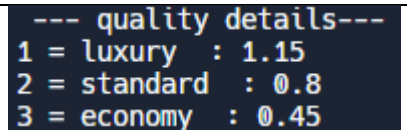
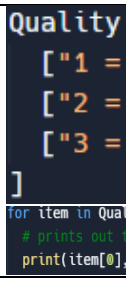
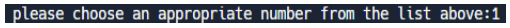
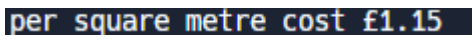
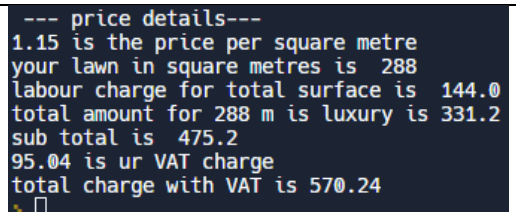
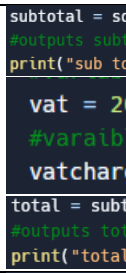
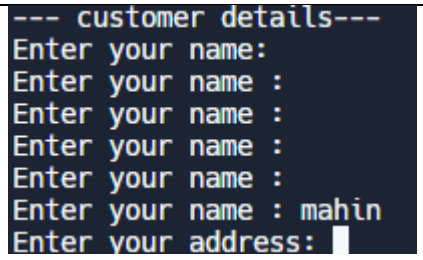
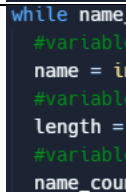
TEST PLAN 2 with code and comments included

11 normal, 8 extreme and 7 boundary tests

Test No	Purpose of test	Test Data	Expected result	Actual code	Comment
1	normal testing	Run code to see if name can be inputted	Should allow user to enter name		 #Variable input for u
2	normal testing	Run code to see if the address can be inputted	Code should let the user type their address		 #Variable an input fo
3	normal testing	Run code to see if number can be inputted	Code will ask for number from the user		 #Variable an input fo
4	normal testing	Does code display variables in a list	Code should say customer details and print out the following		
5	normal testing	Check code if user can enter width of lawn	Should let user enter an integer value		 #Creates a variable w

6	normal testing	Check code if user can enter width of lawn	Should let user enter an integer value		 #Creates a variable w
7	normal testing	Does code display variables for the surface in a list	Code should say lawn details and print out the values from the variable's length and width		
8	normal testing	Does list for quality details display	Code should run all the options for qualities and the price per square metre		
9	Normal tested	Can user enter an input for their choice of quality	Should allow user to enter a number 1 2 or 3		 #Varaible made and integer va
10	normal testing	Does the code show how much per square metre cost	Code should say the amount per square metre		 #will print metre
11	Normal testing	Does code print a summary of all the costs	Bottom of code should display the vat subtotal and final total with vat		
12	Extreme testing	Checking what happens if name is left empty	Code should repeat in a while loop until there is an input		 # Code ch if it is less

13	Extreme testing	Checking what happens if the address is left empty	Code should repeat in a while loop until there is an input	Enter your address: Enter your address: Enter your address: Enter your address: 22 green st Enter your phone number:	while addres #variable address = #variable length2 = #variable address_co # Code ch if it is less

14	Extreme testing	Checking what happens if the number is left empty	Code should repeat in a while loop until there is an input	Enter your phone number:
				Enter your phone number:
				Enter your phone number:
				Enter your phone number: 0382038283
					while number_
					#variable
					number = in
					#variable
					length3 = l
					#variable
					number_coun
					# Code ch
					if it is less

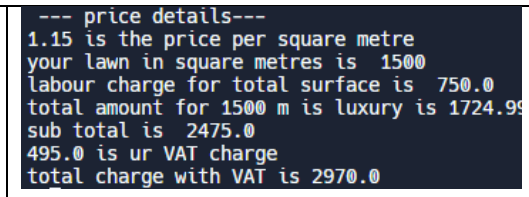
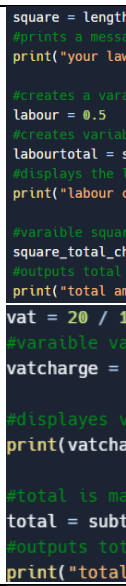
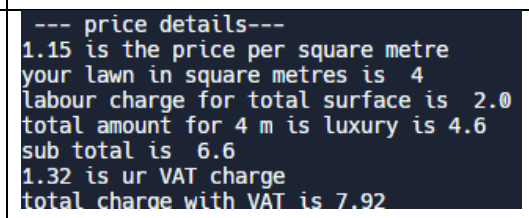
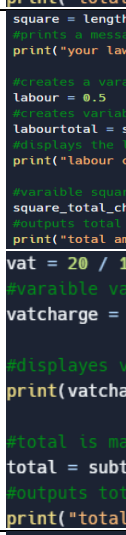
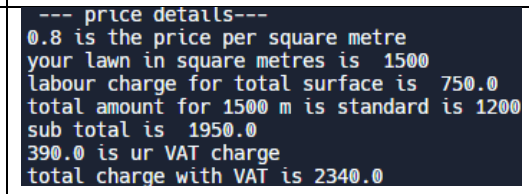
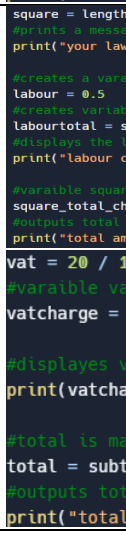
15	Extreme testing	What happens when entry of length is too much	Should repeat over again un till it meets the range	Enter the width of your lawn number: 99
				Enter the length of your lawn number: 99
				width must be between 2 and 30
				Enter the width of your lawn number: 12
				length must be between 2 and 50
				Enter the length of your lawn number: 14
					while length
					#prints out
					print("leng
					#creats a
					length = in

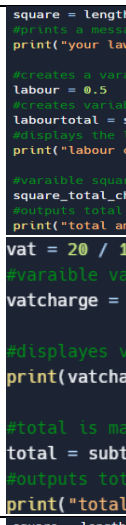
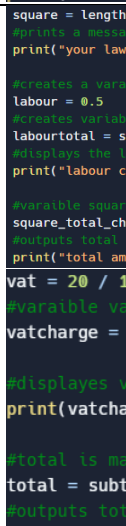
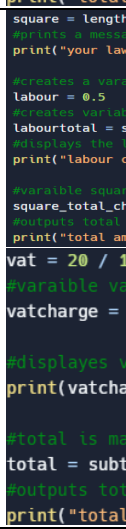
16	Extreme testing	What happens when entry of width is too much	Code should repeat until it matches the range	Enter the width of your lawn number: 99
				Enter the length of your lawn number: 99
				width must be between 2 and 30
				Enter the width of your lawn number: 12
				length must be between 2 and 50
				Enter the length of your lawn number: 14
					while width
					#prints ou
					print("wid
					#creates a
					width = in

17	Extreme testing	What happens when entry of length is too less	Code shall keep repeating until the user enters in the range	--- surface details---
				Enter the width of your lawn number: 1
				Enter the length of your lawn number: 1
				width must be between 2 and 30
				Enter the width of your lawn number: 3
				length must be between 2 and 50
				Enter the length of your lawn number: 5
					while length
					#prints ou
					print("leng
					#creats a
					length = in

18	Extreme testing	What happens when entry of length is too less	Code shall keep repeating until the user enters in the range	--- surface details---
				Enter the width of your lawn number: 1
				Enter the length of your lawn number: 1
				width must be between 2 and 30
				Enter the width of your lawn number: 3
				length must be between 2 and 50
				Enter the length of your lawn number: 5
					while width
					#prints ou
					print("wid
					#creates a
					width = in

19	Extreme testing	What happens if the user enters out of range 1 2 or 3 for the quality of lawn	Code shall keep repeating until the user enters in the range	please choose an appropriate number from the list above:
				retry
				please choose an appropriate number from the list above:
					else:
					#output a messa
					print("retry")
					#varaible calle
					quality_choice =
					print("enter :

20	Boundry testing	What happens if we get a 30 width by 50 length and luxury quality	The bill at the end of the code will be displayed and the total will be high		
21	Boundry testing	What happens if we get a 2 width by 2 length luxury quality	The total will be low but not the lowest possible		
22	Boundry testing	What happens if we get a 30 width by 50 length and standard quality	Cost will be high but not the highest possible		

23	Boundry testing	What happens if we get a 2 width by 2 length standard quality	The total will be low but not the lowest possible	--- price details--- 0.8 is the price per square metre your lawn in square metres is 4 labour charge for total surface is 2.0 total amount for 4 m is standard is 3.2 sub total is 5.2 1.04 is ur VAT charge total charge with VAT is 6.24	
24	Boundry testing	What happens if we get a 30 width by 50 length and economy quality	Cost will be high but not the highest possible	--- price details--- 0.45 is the price per square metre your lawn in square metres is 1500 labour charge for total surface is 750.0 total amount for 1500 m is economy is 675.0 sub total is 1425.0 285.0 is ur VAT charge total charge with VAT is 1710.0	
25	Boundry testing	What happens if we get a 2 width by 2 length standard quality	This will be the lowest possible cost	--- price details--- 0.45 is the price per square metre your lawn in square metres is 4 labour charge for total surface is 2.0 total amount for 4 m is economy is 1.8 sub total is 3.8 0.76 is ur VAT charge total charge with VAT is 4.56	

26	Boundry testing	What happens if we go for the medium and get 14 widths by 28 and standard	The result of this will be the midpoint of all code	--- price details--- 0.8 is the price per square metre your lawn in square metres is 392 labour charge for total surface is 196.0 total amount for 392 m is standard is 313.6 sub total is 509.6 101.92000000000002 is ur VAT charge total charge with VAT is 611.52