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TEST PLAN 2 with code and comments included

11 normal, 8 extreme and 7 boundary tests

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| **Test No** | **Purpose of test** | **Test Data** | **Expected result** | **Actual code** | **Comments / code** |
| 1 | normal testing | Run code to see if name can be inputted | Should allow user to enter name |  | #Variable name is created with an input for user to enter |
| 2 | normal testing | Run code to see if the address can be inputted | Code should let the user type their address |  | #Variable address is created with an input for user to enter |
| 3 | normal testing | Run code to see if number can be inputted | Code will ask for number from the user |  | #Variable number is created with an input for user to enter |
| 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 an interger value variable which is assigned by user |
| 6 | normal testing | Check code if user can enter width of lawn | Should let user enter an integer value |  | #Creates an interger value variable which is assigned by user |
| 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 called quality choice is made and allows user to enter an integer value |
| 10 | normal testing | Does the code show how much per square metre cost | Code should say the amount per square metre |  | #will print 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 |  | # Code checks length of the input if it is less than 1 it will loop |
| 13 | Extreme testing | Checking what happens if the address is left empty | Code should repeat in a while loop until there is an input |  | # Code checks length of the input if it is less than 1 it will loop |
| 14 | Extreme testing | Checking what happens if the number is left empty | Code should repeat in a while loop until there is an input |  | # Code checks length of the input if it is less than 1 it will loop |
| 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 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 |  |  |
| 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 standard 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 |  |  |