Carpet Size program challenge

1. What the application is to do? Define
   1. **Purpose** : Create application that enables to calculate room’s area
   2. **Input:** Customers insert Length and width of the room
   3. **Process:** Length multiplied by Width
   4. **Output**: Customers’ room area in Square foot
2. Visualize and design GUI

(lblInstruction): Please provide the length and width of your room in feet in order to calculate the area of the room in square feet

txtLength

lblLength ( Length)

txtWidth

lblWidth ( Width )

lblTotalArea ( TotalArea )

btnCalc (Calculate Area)

btnExit (Exit)

3)

|  |  |  |  |
| --- | --- | --- | --- |
| Control Type | Control Name | Description | Text Property |
| Form | Default | Window onto which other controls will be placed | “Room Area Calculator” |
| Label | lblInstruction | Instructs customers to provide length and width of their room | “Please provide the Length and width of your room” |
| Label | lblLength | Display the Message *Length* | “Length” |
| Label | lblWidth | Display the Message *Width* | “Width” |
| Label | lblTotalArea | Display the Message Total Area | “Total area” |
| Text Box | txtLength | Allow the user to enter length of room | “” |
| Text Box | txtWidth | Allow the user to enter lWidth of room | “” |
| Button | btnCalc | Display the message *Calculate Area and when clicked it calculates the Total Area of room in Square foot* | “Calculate Area ” |
| Button | btnExit | Display the message *Exit and when clicked closes the Window.* | “Exit” |

4 ) \*\*\*

5)

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| --- | --- |
| Event Handler Name | Description |
| btnCalc\_Click | Multiply Length and Width |

6)

Multiply Length with width and display result

Provide Length Data

Provide Width Data