EXCEL VBA

Data Entry Form

Presented By : Ashish Sawant

OVERVIEW

- Introduction
- UserForm 2: Main Menu
- UserForm 4: Inventory Entry
- UserForm I: Login
- UserForm 3: Customer Entry
- Thank You

INTRODUCTION

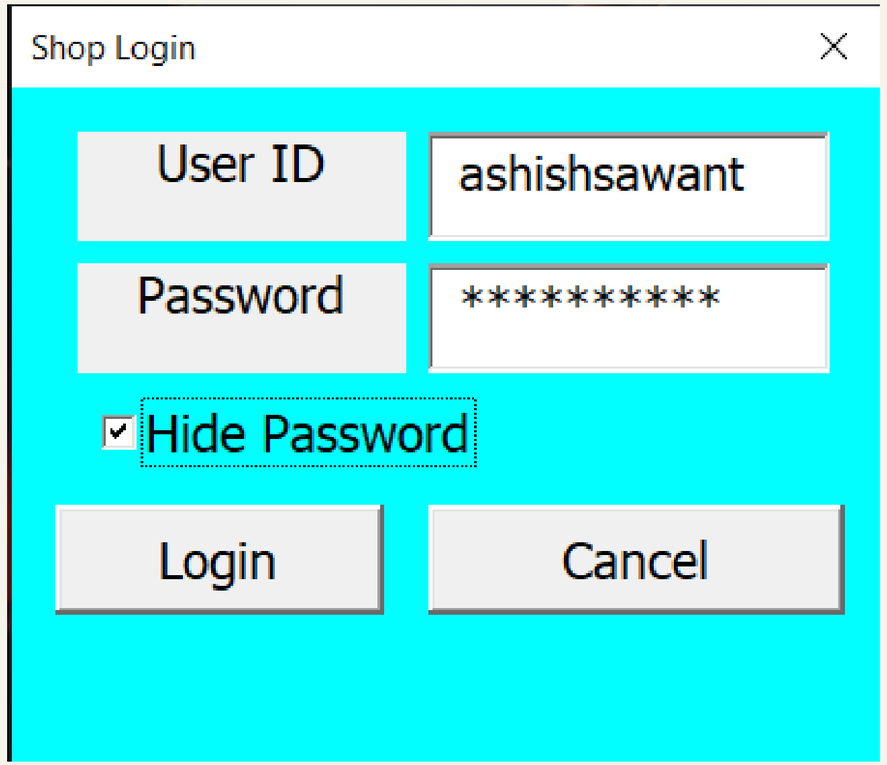
Greetings,

- Today, I'm excited to introduce our new project, a comprehensive Excel VBA application designed to streamline and enhance data management processes.
- This project leverages the power of Visual Basic for Applications (VBA) to create intuitive user interfaces, automate calculations, and facilitate seamless integration with external systems.

- Let's delve into the key components of this project:

USERFORM 1: LOGIN

- UserForm I serves as the gateway to accessing the Excel files and initiating the application.
- It features fields for entering login credentials, ensuring secure access to sensitive data.
- By providing a seamless login experience, users can effortlessly connect to the system and unlock its full potential.

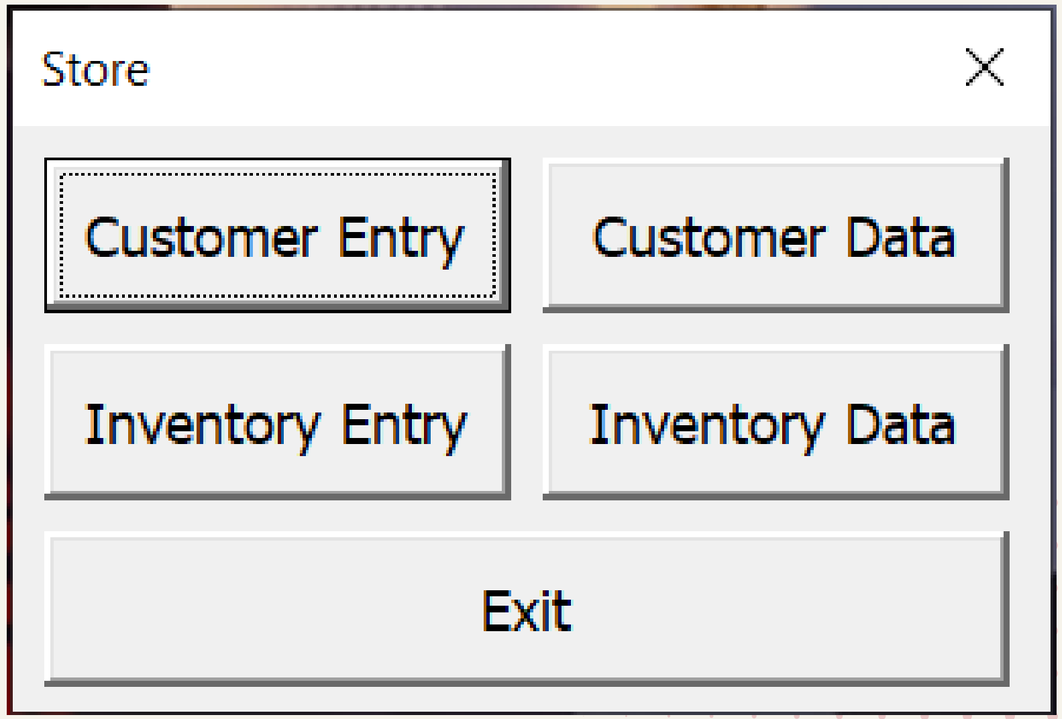


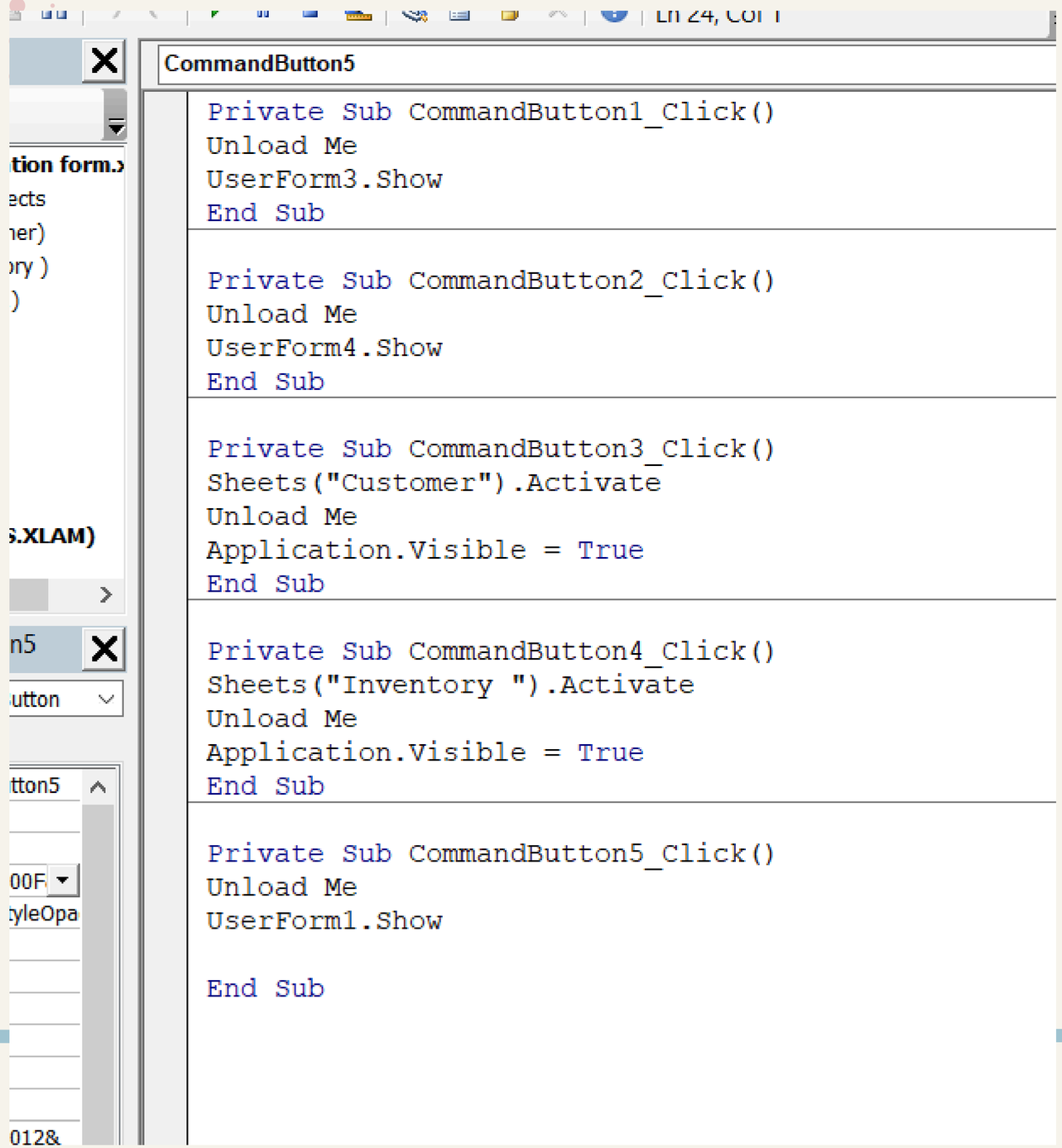
CommandButton1

```
Private Sub CheckBox1_Click()
    If CheckBox1.Value = True Then
        TextBox2.PasswordChar = "*"
    Else
        TextBox2.PasswordChar = ""
    End If
End Sub

Private Sub CommandButton1_Click()
If TextBox1.Text = "ashishsawant" And TextBox2.Text = "Ashish@123" Then
Unload Me
UserForm2.Show
Else
TextBox1.Text = ""
TextBox2.Text = ""
MsgBox "Wrong Password"
End If
End Sub

Private Sub Label3_Click()

End Sub

Private Sub CommandButton2_Click()
Unload Me
End Sub
```

USERFORM 2: MAIN MENU

- UserForm 2 acts as the central hub of the application, offering a diverse range of functionalities through an intuitive menu interface.
- Users can conveniently navigate through various options such as customer entry, inventory management, and file selection.
- This versatility empowers users to tailor their experience according to their specific needs, fostering efficiency and flexibility.

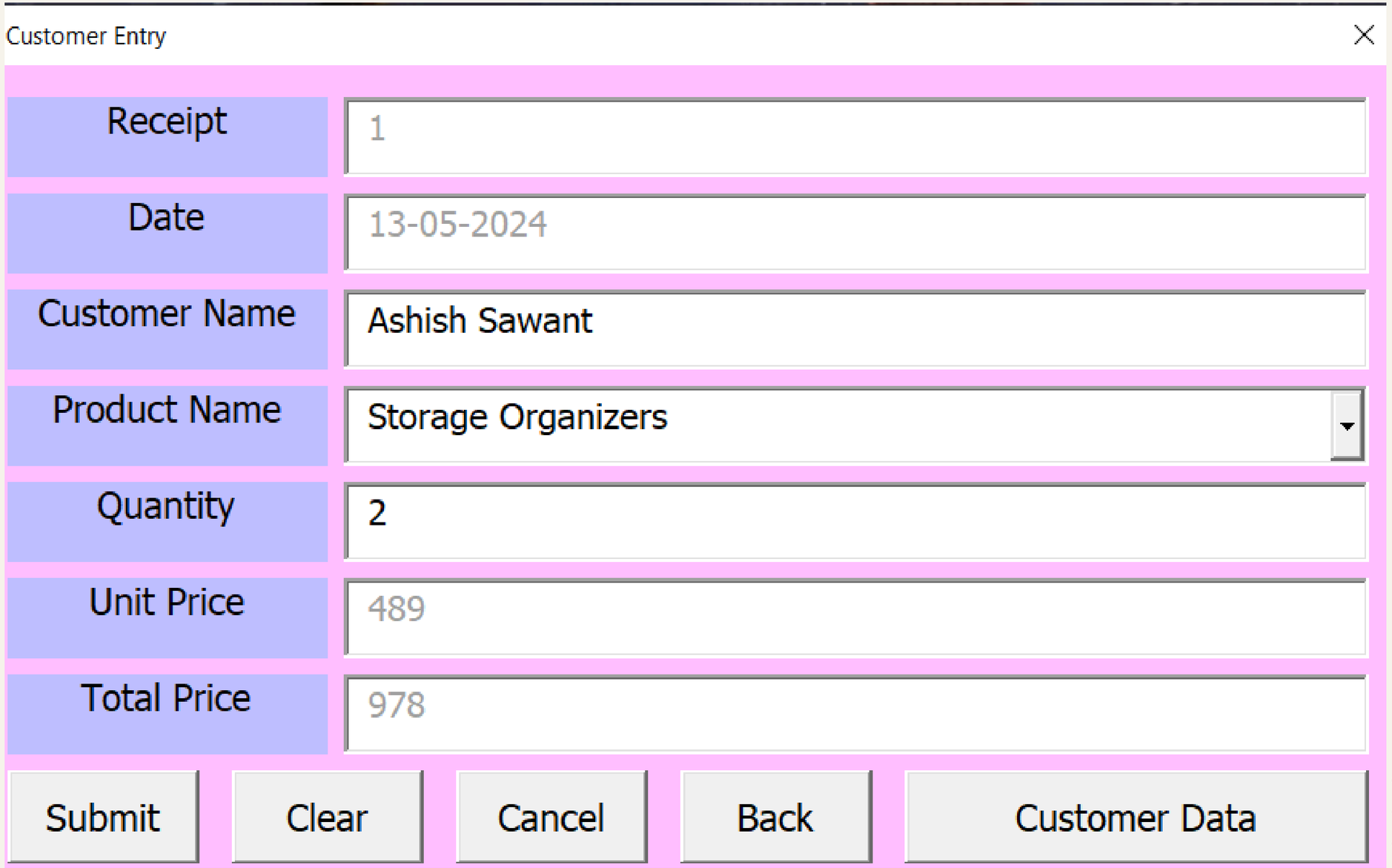



CommandButton5
Private Sub CommandButton1_Click()
Unload Me
UserForm3.Show
End Sub
Private Sub CommandButton2_Click()
Unload Me
UserForm4.Show
End Sub
Private Sub CommandButton3_Click()
Sheets("Customer").Activate
Unload Me
Application.Visible = True
End Sub
Private Sub CommandButton4_Click()
Sheets("Inventory ").Activate
Unload Me
Application.Visible = True
End Sub
Private Sub CommandButton5_Click()
Unload Me
UserForm1.Show
End Sub

USERFORM 3: CUSTOMER ENTRY

- UserForm 3 revolutionizes the process of capturing customer data by providing a user-friendly interface with automatic calculation capabilities.
- Through carefully designed input fields and intuitive controls, users can effortlessly input customer information while the system handles calculations in real-time.
- This not only expedites data entry but also minimizes errors, ensuring data accuracy and reliability.

USERFORM 3: CUSTOMER ENTRY



CommandButton1

```
Private Sub CommandButton1_Click()
    Dim y As Worksheet
    Dim lastRow As Long

    ' Set reference to the worksheet
    Set y = Sheet1

    ' Find the last used row in column A
    lastRow = y.Cells(y.Rows.Count, "A").End(xlUp).Row

    ' Increment receipt number
    Dim receiptNumber As Long
    If lastRow = 1 Then
        receiptNumber = 1 ' Start with 1 if it's the first entry
    Else
        ' Get the current receipt number from the previous entry
        receiptNumber = y.Cells(lastRow, "A").Value + 1
    End If

    ' Fill in the data for the new entry
    With y
        .Cells(lastRow + 1, "A").Value = receiptNumber
        .Cells(lastRow + 1, "B").Value = Format(Date, "MM/DD/YYYY") '
        .Cells(lastRow + 1, "C").Value = TextBox3.Text
        .Cells(lastRow + 1, "D").Value = ComboBox1.Text
        .Cells(lastRow + 1, "E").Value = TextBox4.Text
        .Cells(lastRow + 1, "F").Value = TextBox5.Text
        ' Calculate TextBox6 value as the product of TextBox4 and Text
        .Cells(lastRow + 1, "G").Value = CDbl(TextBox4.Text) * CDbl(T
    End With
End Sub
```

```
Private Sub ComboBox1_Change()
    Dim selectedValue As String
    Dim unitPrice As String

    selectedValue = ComboBox1.Value

    ' Lookup the unit price based on the selected item
    Select Case selectedValue
        Case "Office Chairs"
            unitPrice = 7799
        Case "Office Desk"
```

CommandButton1

```
Private Sub ComboBox1_Change()
    Dim selectedValue As String
    Dim unitPrice As String

    selectedValue = ComboBox1.Value

    ' Lookup the unit price based on the selected item
    Select Case selectedValue
        Case "Office Chairs"
            unitPrice = 7799
        Case "Office Desk"
            unitPrice = 9499
        Case "Storage Organizers"
            unitPrice = 489
        Case "Cupboards and Cabins"
            unitPrice = 164999
        Case "Bookshelves"
            unitPrice = 1199
        Case "Office décor items"
            unitPrice = 299
        Case Else
            unitPrice = "" ' Add default value if necessary
    End Select

    TextBox5.Text = unitPrice
End Sub
```

```
Private Sub UserForm_Initialize()
    ' Add items to ComboBox
    With ComboBox1
        .AddItem "Office Chairs"
        .AddItem "Office Desk"
        .AddItem "Storage Organizers"
        .AddItem "Cupboards and Cabins"
        .AddItem "Bookshelves"
        .AddItem "Office décor items"
    End With

    ' Initialize other controls
    TextBox1.Text = Application.WorksheetFunction.Max(Sheet1.Range("A2:A1000
    TextBox2.Text = Format(Date, "DD/MM/YYYY")
    TextBox5.Text = "" ' Clear TextBox5
```

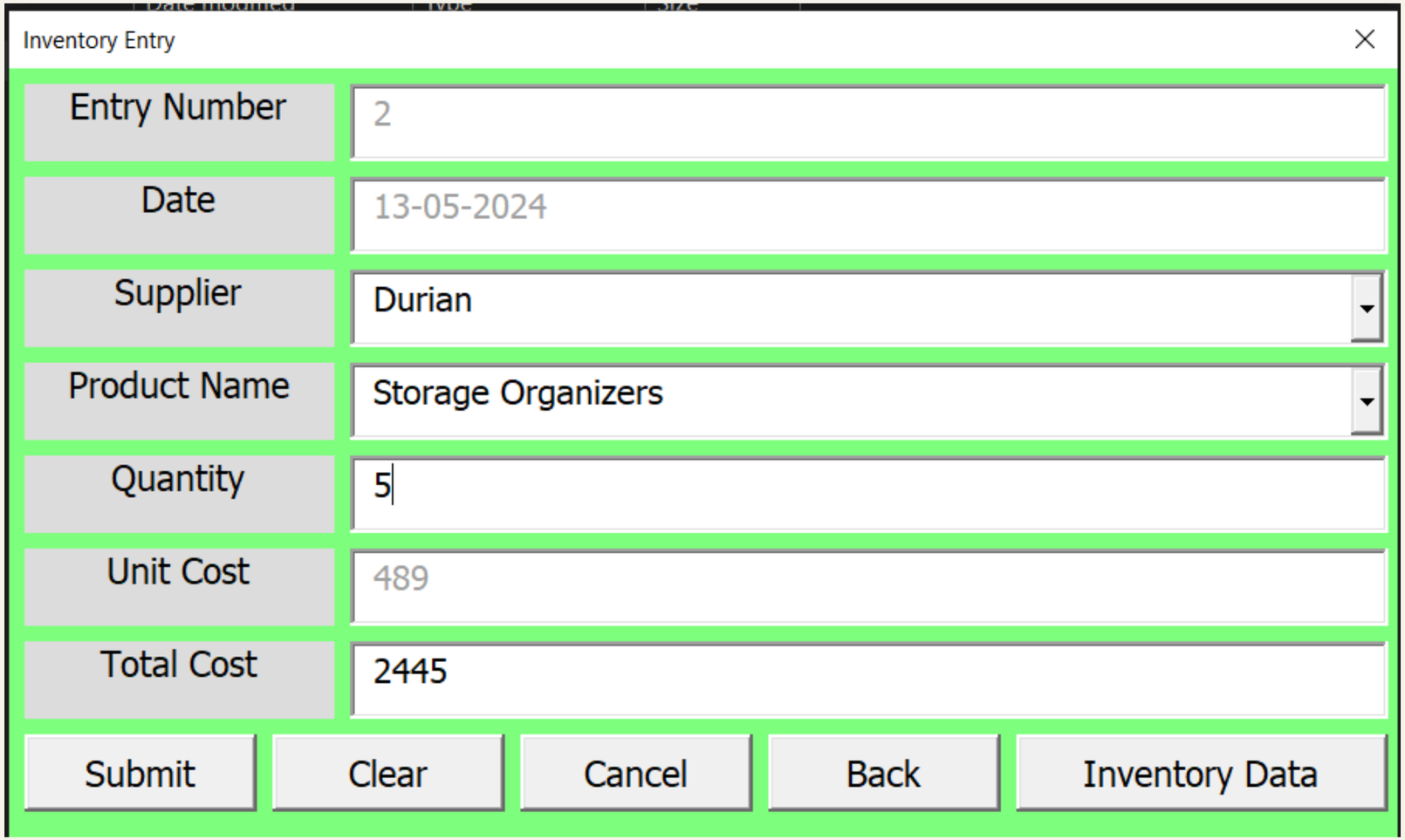
USERFORM 3: SHEET

	A	B	C	D	E	F	G
1	Reciept No	Date	Customer Name	Product Name	Quantity	Unit Price	Total Price
2	1	13-05-2024	Ashish Sawant	Storage Organizers	2	₹ 489.00	₹ 978.00
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

USERFORM 4: INVENTORY ENTRY

- UserForm 4 simplifies inventory management by offering a streamlined interface for entering inventory data.
- Equipped with automatic calculation features, this userform empowers users to efficiently record inventory details while the system performs calculations seamlessly.
- By automating mundane tasks and providing instant feedback, UserForm 4 enhances productivity and accuracy in inventory management processes.

USERFORM 4: INVENTORY ENTRY



CommandButton1

```
Private Sub CommandButton1_Click()
    ' This subroutine remains unchanged
    ' It handles the click event of CommandButton1
    ' It calculates and stores the data in the worksheet
    ' And updates TextBox5 with the multiplication result
    Dim y As Worksheet
    Dim lastRow As Long

    ' Set reference to the worksheet
    Set y = Sheet2

    ' Find the last used row in column A
    lastRow = y.Cells(y.Rows.Count, "A").End(xlUp).Row

    ' Increment receipt number
    Dim receiptNumber As Long
    If lastRow = 1 Then
        receiptNumber = 1 ' Start with 1 if it's the first entry
    Else
        ' Get the current receipt number from the previous entry
        receiptNumber = y.Cells(lastRow, "A").Value + 1
    End If

    ' Fill in the data for the new entry
    With y
        .Cells(lastRow + 1, "A").Value = receiptNumber
        .Cells(lastRow + 1, "B").Value = Format(Date, "MM/DD/YYYY") ' Use curren
        .Cells(lastRow + 1, "C").Value = ComboBox1.Text
        .Cells(lastRow + 1, "D").Value = ComboBox2.Text
        .Cells(lastRow + 1, "E").Value = TextBox3.Text
        .Cells(lastRow + 1, "F").Value = TextBox4.Text
        ' Calculate TextBox5 value as the product of TextBox3 and TextBox4
        Dim value1 As Double
        Dim value2 As Double
        value1 = CDbl(TextBox3.Text)
        value2 = CDbl(TextBox4.Text)
        .Cells(lastRow + 1, "G").Value = value1 * value2 ' Set the value in the
        TextBox5.Text = value1 * value2 ' Set the value in TextBox5
    End With
End Sub

Private Sub CommandButton2_Click()
Unload Me
```

Ln 2, Col 1

CommandButton1

```
Private Sub ComboBox2_Change()
    ' This subroutine is triggered whenever ComboBox1 changes
    ' It updates TextBox4 with the unit price based on the selecte
    Dim selectedValue As String
    Dim unitPrice As Double ' Change to Double

    selectedValue = ComboBox2.Value

    ' Lookup the unit price based on the selected item
    Select Case selectedValue
        Case "Office Chairs"
            unitPrice = 7799
        Case "Office Desk"
            unitPrice = 9499
        Case "Storage Organizers"
            unitPrice = 489
        Case "Cupboards and Cabins"
            unitPrice = 164999
        Case "Bookshelves"
            unitPrice = 1199
        Case "Office décor items"
            unitPrice = 299
        Case Else
            unitPrice = "" ' Add default value if necessary
    End Select


    TextBox4.Text = unitPrice
End Sub

Private Sub UserForm_Initialize()
    ' This subroutine remains unchanged
    ' It initializes the UserForm by adding items to ComboBoxes
    ' And setting initial values for TextBoxes
    ' It also ensures TextBox5 is initially blank
    With ComboBox1
        .AddItem "Decore"
        .AddItem "Godrej"
        .AddItem "Durian"
        .AddItem "Nilkamal"
        .AddItem "IKEA"
    End With
```

USERFORM 4: SHEET

	A	B	C	D	E	F	G
1	Sr.No	Date	Supplier	Product Name	Quantity	Unit Cost	Total Cost
2	1	13-05-2024	Godrej	Storage Organizers	5	₹ 489.00	₹ 2,445.00
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Excel VBA

THANK YOU

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