# Form Implementation

The Below shown diagrams will show how the forms were built and back end of the forms. A clear explanation of the VBA Codes will be shows.

1. The Welcome Screen – frmWelcomeScreen





The VBA code behind it. This Code will run on the Form Load.

```
Private Sub Form_Load()

'To hide the Ribbon menu
DoCmd.ShowToolbar "Ribbon", acToolbarNo

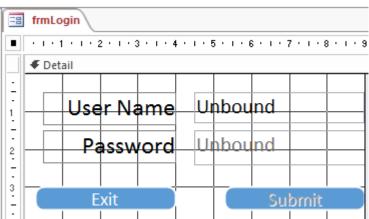
'To hide the Navigation pane
DoCmd.SelectObject acTable, , True
DoCmd.RunCommand acCmdWindowHide

End Sub
```

2. The Login Form – frmLogin

The Submit Button will be Default disabled.



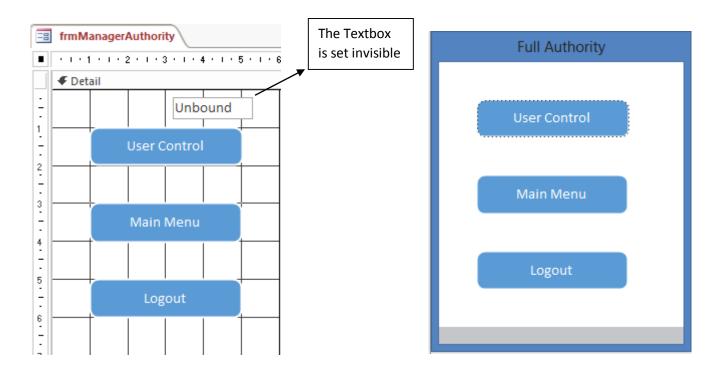


#### The VBA code behind the form

```
Option Compare Database
 'set a public variable for the userlevel as Userlevel
Public UserLevel As String
 'declare a variable for the timer as StartTimer
Dim StartTimer As Integer
Private Sub cmdSubmit Click()
 'check if the user name is empty or not
If IsNull (Me.txtUser) Or Me.txtUser = "" Then
   'if it is show message
   MsgBox "User Name is Empty", vbInformation, "Login"
   'if it is empty the UserName text box and focus on it
   Me.txtUser.SetFocus
Exit Sub
End If
'check if the user name and password is matching
'if it is not matching then show message
   MsgBox "Invalid User Name or Password", vbCritical, "Alert"
   'empty User name Text box
   Me.txtUser = ""
   'empty Password Text Box
   Me.txtPassword = ""
   'focus on the User Name Text Box
   Me.txtUser.SetFocus
   'disable password text box
   Me.txtPassword.Enabled = False
   'disable command button Submit
   Me.cmdSubmit.Enabled = False
Else
'make the UserLevel variable equal to lookup the Userlevel from the User table
UserLevel = DLookup("UserLevel", "tblUserDetails", "UserName = '" & Me.txtUser.Value & "'")
            'if the user is a manager
            If UserLevel = "Manager" Then
                ' call on the sub ClosenOpen
                Call ClosenOpen
                'Open form
                DoCmd.OpenForm "frmManagerAuthority"
            Else
                'Call on the sub ClosenOpen
                Call ClosenOpen
                'Open form
                DoCmd.OpenForm "frmMainMenu", acNormal, "", "", acFormReadOnly
            End If
End If
End Sub
Sub ClosenOpen()
'logstatus is a gloabal variable set to pass on the userlevel of the user
logstatus = Me.UserLevel
'close form
DoCmd.Close acForm, "frmLogin", acSaveNo
End Sub
Private Sub Form_Load()
'set StartTimer variable to 30 seconds
StartTimer = 30
'set timerinterval equal to 1000 milliseconds
TimerInterval = 1000
End Sub
```

```
Private Sub Form Timer()
'StartTimer is not equal to 30 second, so in this process it will count down. StartTimer = 30 - 1
StartTimer = StartTimer - 1
'if the StartTimer is equal to 0 Seconds
If StartTimer = 0 Then
 'then timerinterval is equal to 0 seconds
 TimerInterval = 0
 'close form
 DoCmd.Close acForm, "frmLogin", acSaveNo
 'open form
 DoCmd.OpenForm "frmWelcomeScreen", acNormal, "", "", acFormReadOnly, acWindowNormal
 End If
End Sub
Private Sub txtPassword_Change()
'if the Password Text box is empty
If txtPassword.Text = "" Then
   'then disable the command button Submit
   cmdSubmit.Enabled = False
Else
   'if the Password Text Box is not empty then enable the command button Submit
   cmdSubmit.Enabled = True
End If
End Sub
Private Sub txtUser Change()
'if the UserName text box is not empty then enable the Password Text box
txtPassword.Enabled = True
'if the User Name Text box is empty
If txtUser.Text = "" Then
   'then disable the Password text box
   txtPassword.Enabled = False
Else
   'if the User Name Text box is not empty then enable the Password Text box
   txtPassword.Enabled = True
End If
End Sub
```

# 3. The Full Authority Form – frmManagerAuthority



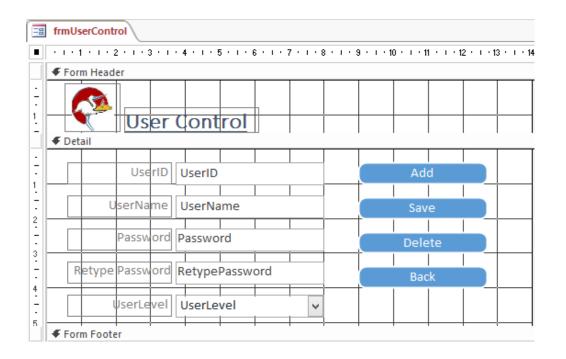
#### The VBA Code behind the form

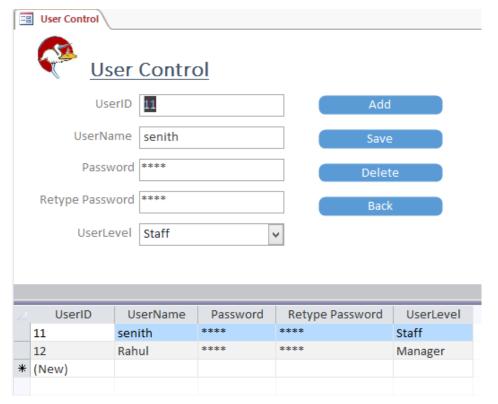
```
Private Sub Form_Load()
'this is to pass on the user level. set text box equal to the variable Logstatus
txtManager.Value = logstatus
```

End Sub

# 4. The User Control Form – frmUserControl

The Split datasheet will only show up in the Form View

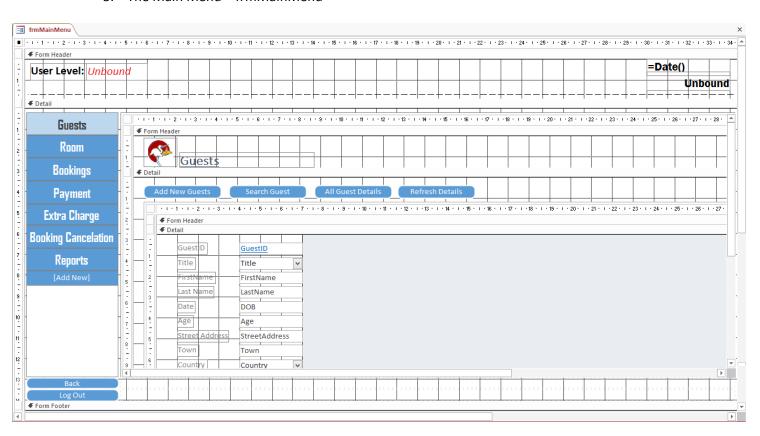




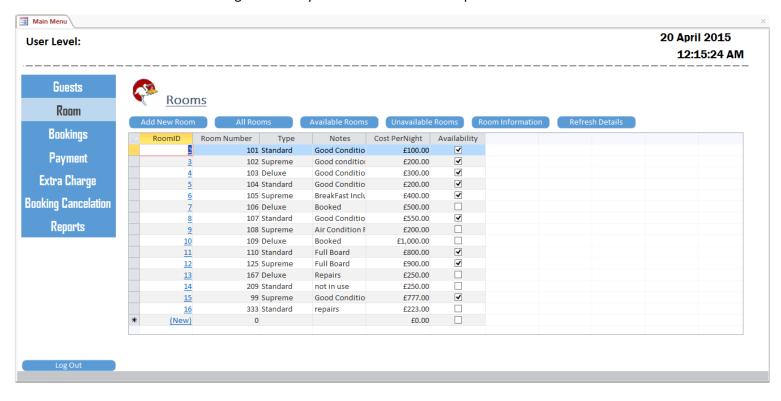
#### The VBA Code behind the Form

```
Private Sub Command17 Click()
'The purpose of this is to check whether the user has filled all the Details or not
'Check if the TextBoxes are not Empty
If Me.UserName <> "" And Me.txtPass <> "" And Me.txtRPass <> "" And Me.UserLevel <> "" Then
   'If the Textboxes are not Empty, this message will show up
   MsgBox "User Details are successfully saved into the database", vbOKOnly, "User Control"
   'Save Record
   DoCmd.Save
    'Set Focus to the UserID Text box
   Me.UserID.SetFocus
Else
   'If A Textbox is empty, this message will show up. without filling the details the user cannot move forward.
   MsgBox "A textbox is empty. Please provide all the details", vbExclamation, "User Control"
End If
End Sub
Private Sub txtRPass LostFocus()
 the purpose of this is to check if the retype password is matching the password.
'if password textbox value is not matching to retype password text box
If Me.txtPass <> Me.txtRPass Then
   'then message will show up
   MsgBox "Your 'Retype password' did not match your 'Password' field. Please enter these values again", vbCritical, "User Control"
   'empty Password text box
   Me.txtPass = ""
   'Empty retype Password Text box
   Me.txtRPass = ""
   'set focus to the password text box to re-enter
   Me.txtPass.SetFocus
End If
End Sub
```

#### 5. The Main Menu – frmMainMenu



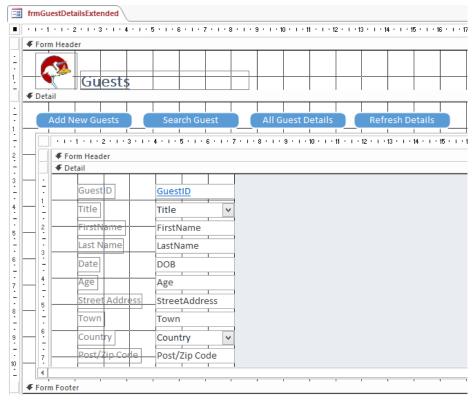
If the User level is Manager then only the Back Button shows up

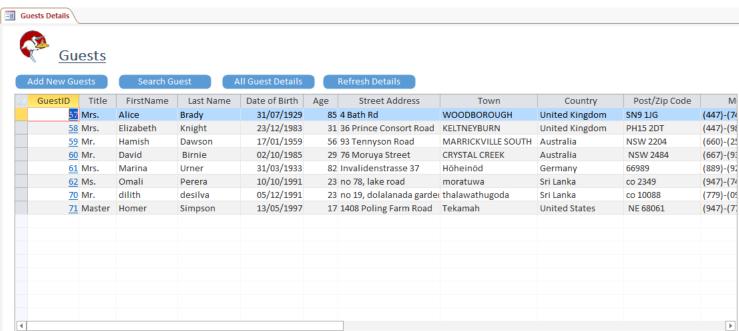


# The VBA code behind the form

```
Private Sub Command69 Click()
'close form
DoCmd.Close
'open form
DoCmd.OpenForm "frmManagerAuthority", acNormal
End Sub
Private Sub Form Load()
'this process is to pass on the user level
'set text box value equal to the variable logstatus
txt12.Value = logstatus
'if the text box value is equal to Manager
If txt12.Value = "Manager" Then
   'make command button 'Back' visible
   Command69.Visible = True
Else
   'make command Button 'Back' invisible
   Command69.Visible = False
End If
End Sub
Private Sub Form Timer()
'this is used to display the time in the Main menu
Me.txtTimer.Value = Format(Time, "HH:mm:ss AM/PM")
End Sub
```

#### 6. The Guest Details Form - frmGuestDetailsExtended





```
'When the Search Guest button is click The input box will show up
NIC = InputBox("Please enter NIC/Passport Number of the Guest", "Guest Data Entry")
'the Guest will be searched by his/hers NIC/Passport No qry = "select * from qryGuestDetailsExtended where NICPassportNo = '" & NIC & "'"
Set rs = db.OpenRecordset(qry)
Me.frmGuestDetailsExtendedDS.Form.RecordSource = grv
End Sub
Private Sub Command16 Click()
'the browseto method is used to navigate between objects in place
DoCmd.BrowseTo acForm, "frmGuestDetailsExtendedDS", "frmMainMenu.NavigationSubform>frmGuestDetailsExtended.frmGuestDetailsExtendedDS", "", "", acFormReadOnly
End Sub
Private Sub Command22_Click()
this process is done to refresh the subform
'declare a variable as ref
Dim ref As String
ref = ""
 the SourceObject property is to identify the form that is the source of the subform.
'give the name of the subform that needs to be refreshed
ref = frmGuestDetailsExtendedDS.SourceObject
frmGuestDetailsExtendedDS.SourceObject = ref
```

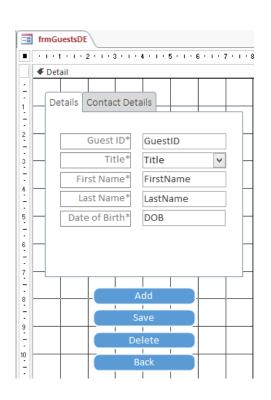
# 7. The Guest Data Entry form - frmGuestDE

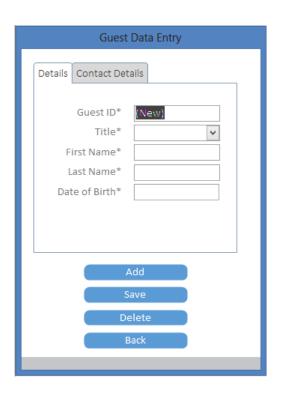
Private Sub Command11\_Click()
'this is search guest process

'declare variables Dim db As DAO.Database Dim rs As DAO.Recordset 'set db as the curren database

Set db = CurrentDb 'declare variables Dim qry As String Dim NIC As String

End Sub





#### The VBA code behind the form

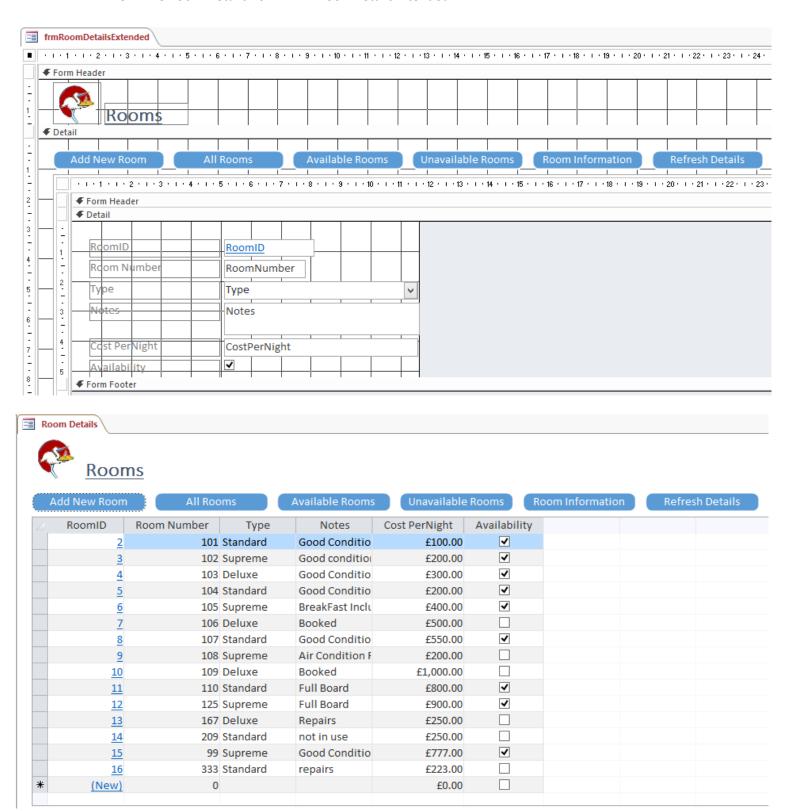
```
Private Sub Command31_Click()
'The purpose of this is to check whether the user has filled all the Details or not

'Check if the TextBoxes are not Empty
If Me.GuestID <> "" And Me.Title <> "" And Me.FirstName <> "" And Me.LastName <> "" And Me.DOB <> ""
And Me.StreetAddress <> "" And Me.Town <> "" And Me.Country <> "" And Me.Mobile <> "" And Me.NICPassportNo <> "" Then
'If the Textboxes are not Empty, this message will show up
MsgBox "Guest Details are successfully saved into the database", vbOKOnly, "Guest Data Entry"
'Save Record
DoCmd.Save
'Close Form
DoCmd.Close

Else
'If A Textbox is empty, this message will show up. without filling the details the user cannot move forward.
MsgBox "A textbox is empty. Please provide all the details", vbExclamation, "Guest Data Entry"
```

End If

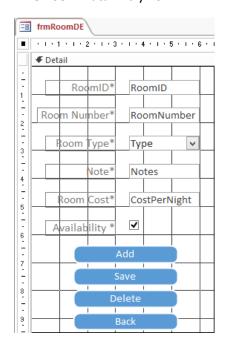
#### 8. The Room Details Form – frmRoomDetailsExtended

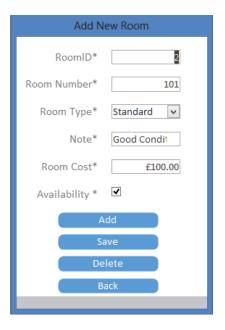


```
Private Sub Command11_Click()
'this process is done to refresh the subform
'declare a variable as ref
Dim ref As String
ref = ""
'the SourceObject property is to identify the form that is the source of the subform.
'give the name of the subform that needs to be refreshed
ref = DS.SourceObject
DS.SourceObject = ref
End Sub
Private Sub Command3_Click()
     the browseto method is used to navigate between objects in place
    'show only the available rooms
    DoCmd.BrowseTo acForm, "frmRoomDetailsExtendedDS", "frmMainMenu.NavigationSubform>frmRoomDetailsExtended.DS", "[Active]=True", "", acFormReadOnly
End Sub
Private Sub Command4_Click()
     the browseto method is used to navigate between objects in place
    'show only the unavailable rooms
    DoCmd.BrowseTo acForm, "frmRoomDetailsExtendedDS", "frmMainMenu.NavigationSubform>frmRoomDetailsExtended.DS", "[Active]=False", "", acFormReadOnly
End Sub
Private Sub Command8_Click()
     the browseto method is used to navigate between objects in place
    'to Display all the Room Details
```

# DoCmd.BrowseTo acForm, "frmRoomDetailsExtendedDS", "frmMainMenu.NavigationSubform>frmRoomDetailsExtended.DS", "", "", acFormReadOnly End Sub

# 9. The Room Data Entry Form – frmRoomDE





#### The VBA code behind the form

Private Sub Command19 Click()

```
'The purpose of this is to check whether the user has filled all the Details or not

'Check if the TextBoxes are not Empty

If Me.RoomID <> "" And Me.RoomNumber <> "" And Me.Type <> "" _

And Me.Notes <> "" And Me.CostPerNight Then

'If the Textboxes are not Empty, this message will show up

MsgBox "Room Details are successfully saved into the database", vbOKOnly, "Add New Room"

'Save Record

DoCmd.Save

'Close Form

DoCmd.Close

Else

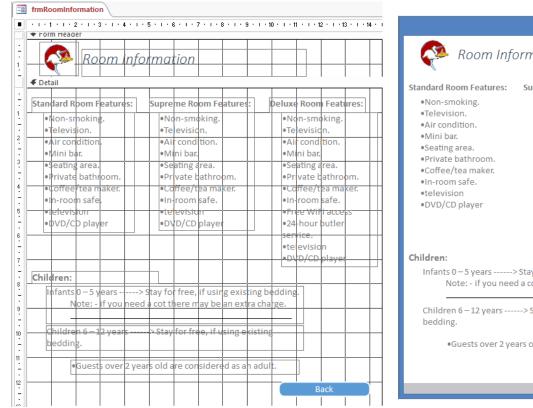
'If A Textbox is empty, this message will show up. without filling the details the user cannot move forward.

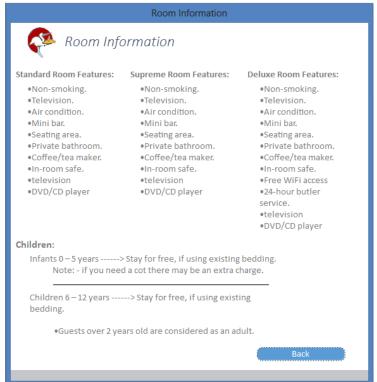
MsgBox "A textbox is empty. Please provide all the details", vbExclamation, "Add New Room"
```

## End If

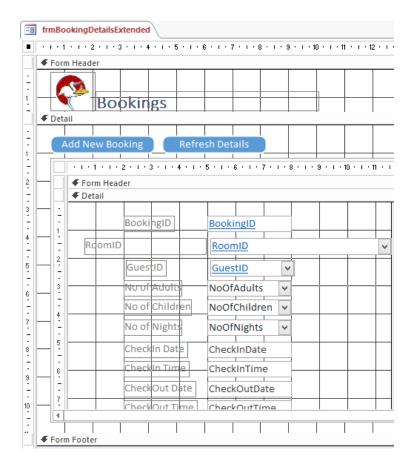
#### 10. The Room Information Form – frmRoomInformation

For this form there won't be any code written.



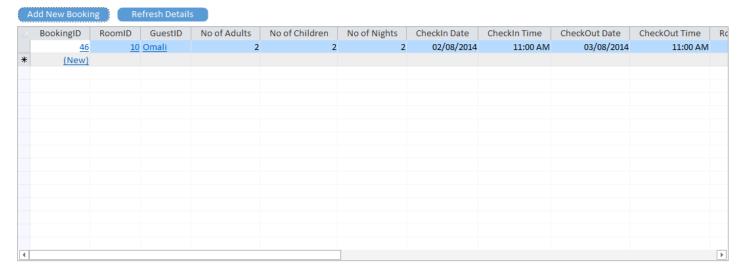


# 11. The Booking Details Form - frmBookingDetailsExtended









#### The VBA code behind the form

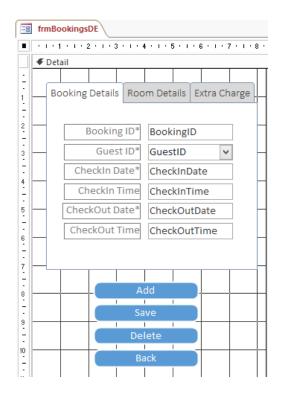
```
Private Sub Command14_Click()
'this process is done to refresh the subform

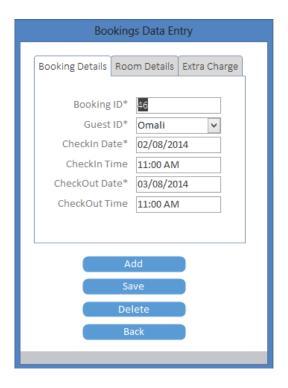
'declare a variable as ref
Dim ref As String

ref = ""
'the SourceObject property is to identify the form that is the source of the subform.
'give the name of the subform that needs to be refreshed
ref = frmBookingDetailsExtendedDS.SourceObject
frmBookingDetailsExtendedDS.SourceObject = ref

End Sub
```

# 12. The Booking Data Entry Form - frmBookingDE

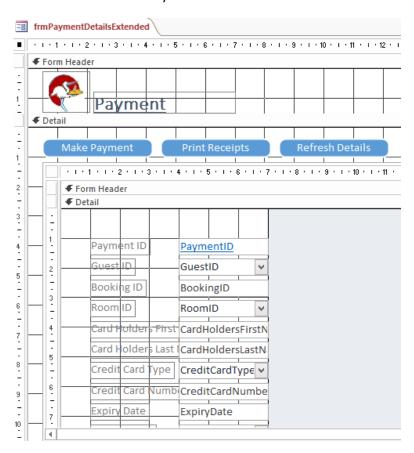


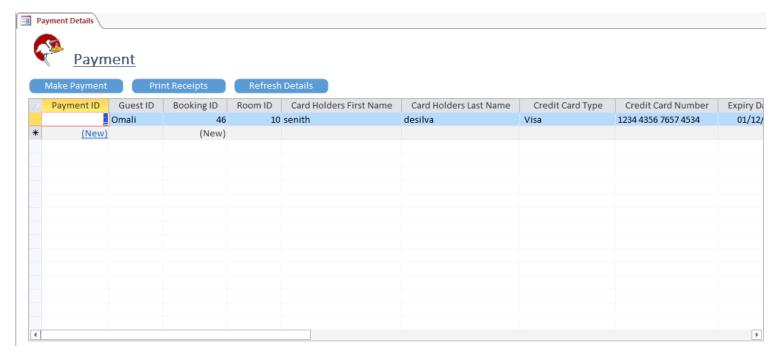


#### The VBA code behind the form

```
Private Sub CheckOutDate LostFocus()
'This will check if the Checkout Date is Before Checkin Date or not
'Is Checkout Date before Checkin Date
If Me.CheckOutDate <= Me.CheckInDate Then
   'If it is then message box will show up
  MsgBox "CheckOut Date Cannot be before or on the same day as CheckIn Date", vbCritical, "Bookings Data Entry"
  'After the message box is closed, the Checkout Date TextBox will get fouced to re-enter
  Me.CheckOutDate.SetFocus
End If
End Sub
Private Sub Command19 Click()
The purpose of this is to check whether the user has filled all the Details or not
'Check if the TextBoxes are not Empty
If Me.BookingID <> "" And Me.GuestID <> "" And Me.CheckInDate <> ""
  And Me.CheckOutDate <> "" And Me.RoomID <> "" And Me.Combo95 <> ""
  And Me.NoOfAdults <> "" And Me.NoOfChildren <> "" And Me.NoOfNights <> ""
  And Me.Active <> "" And Me.Notes <> "" Then
  'If the Textboxes are not Empty, this message will show up
  MsgBox "Booking Details are successfully saved into the database", vbOKOnly, "Bookings Data Entry"
   'Save Record
  DoCmd.Save
   'Close form
  DoCmd.Close
   'If A Textbox is empty, this message will show up. without filling the details the user cannot move forward.
  MsgBox "A textbox is empty. Please provide all the details", vbExclamation, "Bookings Data Entry"
End If
End Sub
```

#### 13. The Payment Details Form - frmPaymentDetailsExtended





#### The VBA Code Behind the form

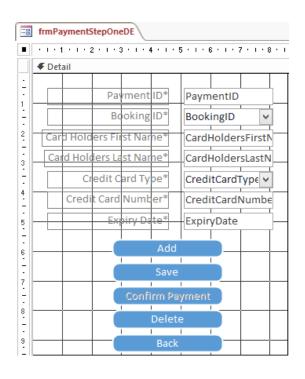
End Sub

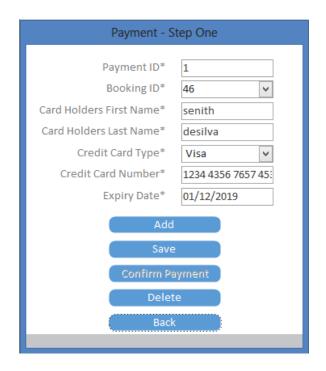
```
Private Sub Command7_Click()
'this process is done to refresh the subform

'declare a variable as ref
Dim ref As String

ref = ""
'the SourceObject property is to identify the form that is the source of the subform.
'give the name of the subform that needs to be refreshed
ref = frmPaymentDetailsExtendedDS.SourceObject
frmPaymentDetailsExtendedDS.SourceObject = ref
```

# 14. The payment Step one Data Entry Form – frmPaymentStepOneDE





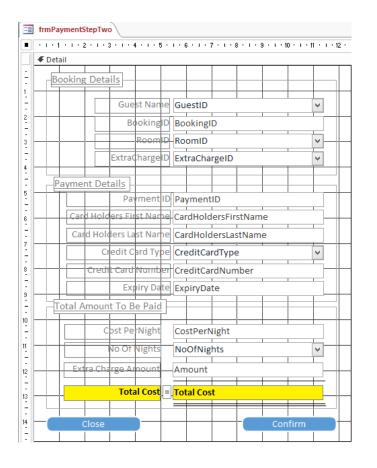
#### The VBA code Behind the Form

```
Private Sub Command19 Click()
The purpose of this is to check whether the user has filled all the Details or not
'Check if the TextBoxes are not Empty
If Me.PaymentID <> "" And Me.BookingID <> "" And Me.CardHoldersFirstName <> ""
  And Me.CardHoldersLastName <> "" And Me.CreditCardType <> "" And Me.CreditCardNumber <> ""
  And Me.ExpiryDate <> "" Then
   'If the Textboxes are not Empty, this message will show up
  MsgBox "Payment Details are successfully saved into the database", vbOKOnly, "Payment - Step One"
   'Save Record
  DoCmd.Save
   'Enable the command button 20
  Me.Command20.Enabled = True
Else
   'If A Textbox is empty, this message will show up. without filling the details the user cannot move forward.
  MsgBox "A textbox is empty. Please provide all the details", vbExclamation, "Payment - Step One"
   'disable the command button 20
  Me.Command20.Enabled = False
End If
```

# 15. The Payment Step Two Form – frmPaymentStepTwo

For this form there won't be any code written.

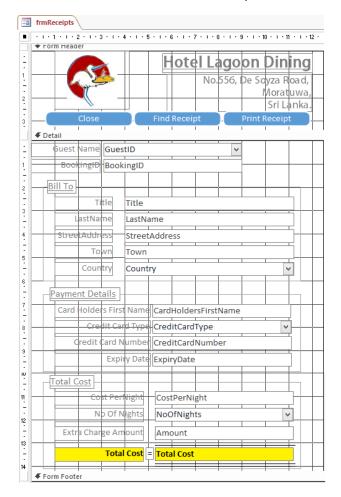
End Sub

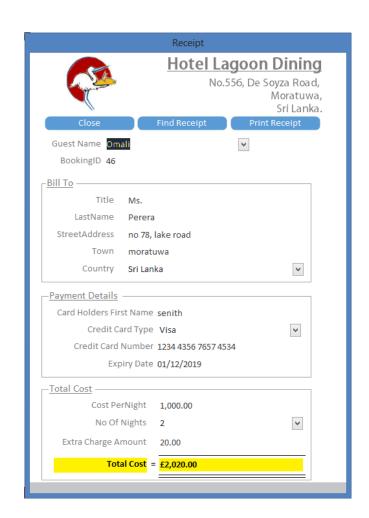


Payment - Step Two	
Booking Details	
Guest Name	Omali
BookingID	46
RoomID	10
ExtraChargeID	Extra Bed
Payment Details	
Payment ID	1
Card Holders First Name	senith
Card Holders Last Name	desilva
Credit Card Type	Visa
Credit Card Number	1234 4356 7657 4534
Expiry Date	01/12/2019
Total Amount To Be Paid	
Cost PerNight	1,000.00
No Of Nights	2
Extra Charge Amount	20.00
Total Cost =	£2,020.00
Close	Confirm

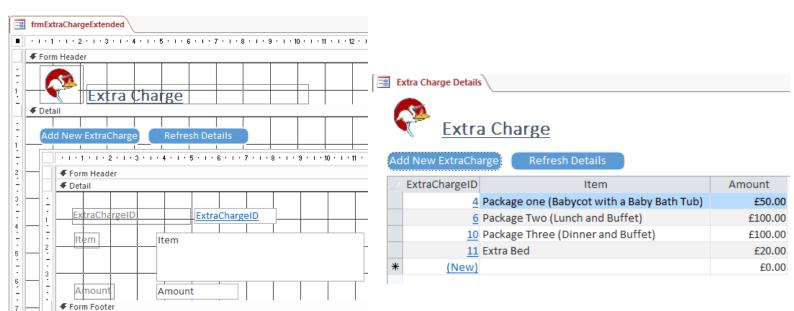
# 16. The Receipts Form – frmReceipts

For this form there won't be any code written.





# 17. The Extra Charge Details Form – frmExtraChargeExtended



#### The VBA Code behind the form is

```
Private Sub Command8_Click()

'this process is done to refresh the subform

'declare a variable as ref
Dim ref As String

ref = ""

'the SourceObject property is to identify the form that is the source of the subform.

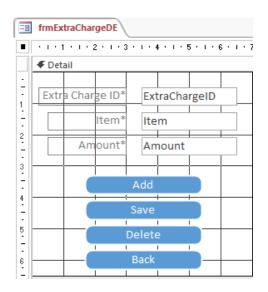
'give the name of the subform that needs to be refreshed

ref = frmExtraChargeExtendedDS.SourceObject

frmExtraChargeExtendedDS.SourceObject = ref

End Sub
```

# 18. The Extra Charge Data Entry Form –frmExtraChargeDE





# The VBA Code behind the form

```
Private Sub Command19_Click()
'The purpose of this is to check whether the user has filled all the Details or not

'Check if the TextBoxes are not Empty

If Me.ExtraChargeID <> "" And Me.Item <> "" And Me.Amount <> "" Then

'If the Textboxes are not Empty, this message will show up

MsgBox "Extra Charge Details are successfully saved into the database", vboKOnly, "Add New ExtraCharge"

'Save Record

DoCmd.Save

'Close form

DoCmd.Close

Else

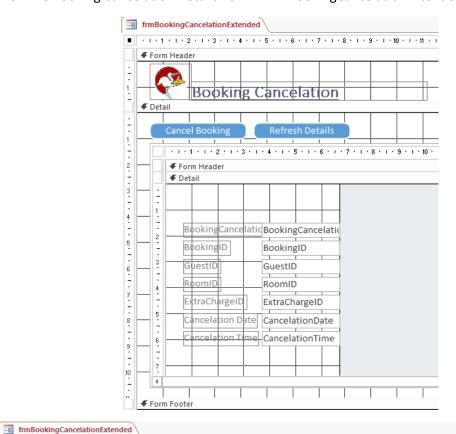
'If A Textbox is empty, this message will show up. without filling the details the user cannot move forward.

MsgBox "A textbox is empty. Please provide all the details", vbExclamation, "Add New ExtraCharge"
```

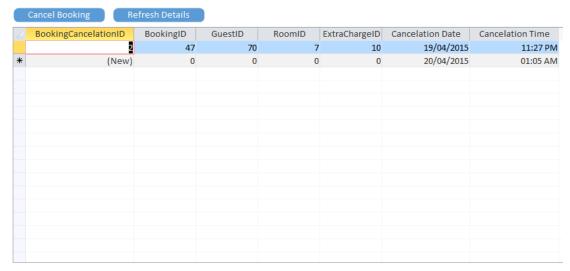
## End If

End Sub

# 19. The Booking Cancelation Details Form – frmBookingCancelationExtended







# The VBA Code behind the Form

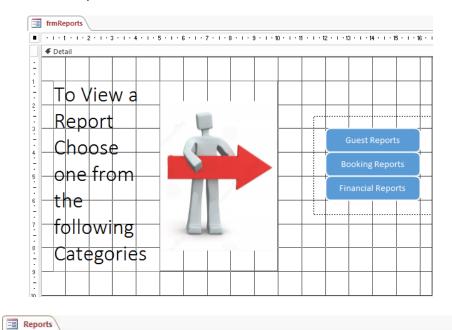
```
Private Sub Command5_Click()
'this process is done to refresh the subform

'declare a variable as ref
Dim ref As String

ref = ""
'the SourceObject property is to identify the form that is the source of the subform.
'give the name of the subform that needs to be refreshed
ref = frmBookingCancelationExtendedDS.SourceObject
frmBookingCancelationExtendedDS.SourceObject = ref
```

# 20. The Reports Form – frmReports

For this there won't be any code written.

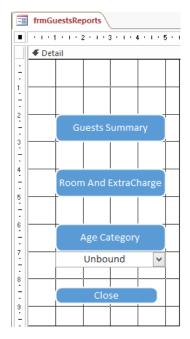


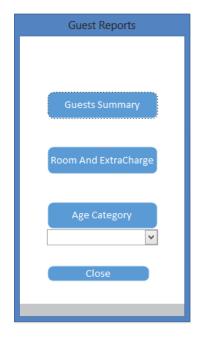






# 21. The Guest Report – frmGuestReports



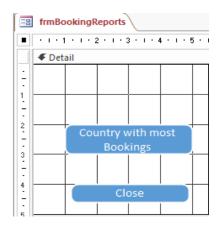


#### The VBA Code behind the Form

```
Private Sub Command3_Click()
'A combo box is created with the names Teens, Adults and Seniors.
'if combo box is equal to teens
If Me.Combo4 = "Teens" Then
   'open form
  DoCmd.OpenReport "rptAgeTeens", acViewReport
'if combo box is equal to adults
ElseIf Me.Combo4 = "Adults" Then
   'open form
   DoCmd.OpenReport "rptAgeAdults", acViewReport
'if combo box is equal to seniors
ElseIf Me.Combo4 = "Seniors" Then
   'open form
   DoCmd.OpenReport "rptAgeSeniors", acViewReport
Else
   'if the combo box is not selected then message will show up
  MsgBox "Please select the Age category from the drop down list given below", vbOKOnly
   'set focus to the combo box
  Me.Combo4.SetFocus
End If
End Sub
```

# 22. The Booking Reports – frmBookingReports

# For this there won't be any code written





# 23. The Financial Reports – frmFinancialReports

# For this there won't be any code written

