**mICROsOFT Visual Basic 6**

**project File**

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ID 42

***B.C.A. III SEMESTER***

NATIONAL POST GRADUATE COLLEGE,

LUCKNOW



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Date -

Marksheeet Application

Design Time Properties/Objects

|  |  |
| --- | --- |
| **frmLogin** | (Login Form) |
| BorderStyle | 1 –Fixed Single |
| Caption | Login |
|  | |
| **lblUsername** | |
| Caption | Username |
|  |  |
| **lblPassword** | |
| Caption | Password |
|  | |
| **txtUsername** | |
|  | |
| **txtPassword** | |
| Font | Webdings |
| PasswordChar | L |
|  | |
| **cmdSubmit** | |
| Caption | &Submit |
|  | |
| **cmdReset** | |
| Caption | Reset |
|  | |
| **frmMain** | (Input Form) |
| Caption | Marksheet Creator |
| BorderStyle | 1- Fixed Single |
|  |  |
| **lblTitle** | |
| Caption | Enter Details |
|  | |
| **fmeDetails** | |
| Caption | Details |
|  | |
| **lblNameShow** | |
| Caption | Name |
|  |  |
| **lblStuName** | |
| Caption | Student’s Name |
|  |  |
| **lblFatherName** | |
| Caption | Father’s Name |
|  | |
| **lblClass** | |
| Caption | Class |
|  |  |
| **txtId** | |
| Maxlength | 10 |
|  | |
| **txtName**  **txtFather**  **cmbClass** |  |
|  | |
| **lblSub1** to **lblSub5** |  |
| Caption | Subject 1 to Subject 5 |
|  | |
| **txtSub1 to txtSub5** | (Input Box For Marks) |
|  | |
| **lblMax1 to lblMax5** | |
| Caption | /100 |

|  |  |
| --- | --- |
| **lblDateD** | |
| Caption | Date |
|  | |
| **lblTimeD** |  |
| Caption | Time |
|  | |
| **fmeDetails** | |
| Caption | Details |
|  | |
| **lblId** | |
| Caption | Student’s ID |
|  | |
| **lblStuName** | |
| Caption | Student’s Name |
|  | |
| **lblFathername** | |
| Caption | Father’s Name |
|  | |
| **lblClass** |  |
| Caption | Class |
|  | |
| **lblIDShow**  **lblNameShow**  **lblFatherShow**  **lblClassShow**  **lblSub1Show**  **lblSub2Show**  **lblSub3Show**  **lblSub4Show**  **lblSub5Show**  **lblDate**  **lblTime** | Lables for displaying details on the marksheet. |
|  | |
| **lblMax1** to **lblMax5** |  |
| Caption | /100 |
|  | |
| **lblSub1** to **lblSub5** | |
| Caption | Subject 1 to Subject 5 |
|  | |
| **lblTotalShow** | |
| Caption | Total |
|  | |
| **lblPercentShow** | |
| Caption | Percent |
|  | |
| **lblTotal**  **lblPercent** | Lables for Displaying Total Marks and Percentage |
|  | |
| **cmdExit** | |
| Caption | &Exit |

|  |  |
| --- | --- |
| **frmMarksheet** |  |
| Caption | Marksheet |
| BorderStyle | 1 – Fixed Single |
|  | |
| **frmMarksheet** |  |
| Caption | Marksheet |
| BorderStyle | 1 – Fixed Single |
|  | |
| **frmMarksheet** |  |
| Caption | Marksheet |
| BorderStyle | 1 – Fixed Single |

Code

frmLogin :

Private Sub cmdReset\_Click()

Call reset

End Sub

Private Sub cmdSubmit\_Click()

If LCase(txtUsername.Text) = "administrator" And LCase(txtPassword.Text) = "password" Then \_

Load frmMain Else Call MsgBox("Invalid Input!", vbOKOnly + vbCritical, "Error")

End Sub

Public Sub reset()

txtUsername.Text = ""

txtPassword.Text = ""

End Sub

frmMain :

Private Sub cmdSubmit\_Click()

getValues

frmMain.Hide

Load frmMarkSheet

End Sub

Private Sub getValues()

stuID = txtID.Text

stuName = txtName.Text

stuFather = txtFather.Text

Class = cmbClass.Text

sub1 = Val(txtSub1.Text)

sub2 = Val(txtSub2.Text)

sub3 = Val(txtSub3.Text)

sub4 = Val(txtSub4.Text)

sub5 = Val(txtSub5.Text)

End Sub

Private Sub Form\_Load()

Unload frmLogin

Load frmMain

frmMain.Show

cmbClass.Clear

cmbClass.AddItem ("B.C.A")

cmbClass.AddItem ("B.Sc")

cmbClass.AddItem ("B.Com.")

cmbClass.AddItem ("B.A.")

End Sub

Private Sub txtID\_KeyPress(KeyAscii As Integer)

If ((KeyAscii >= vbKey0 And KeyAscii <= vbKey9) Or KeyAscii = vbKeyBack) Then

Exit Sub

Else

KeyAscii = 0

Beep

End If

End Sub

Private Sub txtSub1\_Change()

If (Val(txtSub1.Text) < 0 Or Val(txtSub1.Text) > 100) Then

txtSub1.Text = ""

End If

End Sub

Private Sub txtSub2\_Change()

If (Val(txtSub2.Text) < 0 Or Val(txtSub2.Text) > 100) Then

txtSub2.Text = ""

End If

End Sub

Private Sub txtSub3\_Change()

If (Val(txtSub3.Text) < 0 Or Val(txtSub3.Text) > 100) Then

txtSub3.Text = ""

End If

End Sub

Private Sub txtSub4\_Change()

If (Val(txtSub4.Text) < 0 Or Val(txtSub4.Text) > 100) Then

txtSub4.Text = ""

End If

End Sub

Private Sub txtSub5\_Change()

If (Val(txtSub5.Text) < 0 Or Val(txtSub5.Text) > 100) Then

txtSub5.Text = ""

End If

End Sub

Private Sub txtSub2\_KeyPress(KeyAscii As Integer)

If ((KeyAscii >= vbKey0 And KeyAscii <= vbKey9) Or KeyAscii = vbKeyBack) Then

Exit Sub

Else

KeyAscii = 0

End If

End Sub

Private Sub txtSub3\_KeyPress(KeyAscii As Integer)

If ((KeyAscii >= vbKey0 And KeyAscii <= vbKey9) Or KeyAscii = vbKeyBack) Then

Exit Sub

Else

KeyAscii = 0

End If

End Sub

Private Sub txtSub4\_KeyPress(KeyAscii As Integer)

If ((KeyAscii >= vbKey0 And KeyAscii <= vbKey9) Or KeyAscii = vbKeyBack) Then

Exit Sub

Else

KeyAscii = 0

End If

End Sub

Private Sub txtSub5\_KeyPress(KeyAscii As Integer)

If ((KeyAscii >= vbKey0 And KeyAscii <= vbKey9) Or KeyAscii = vbKeyBack) Then

Exit Sub

Else

KeyAscii = 0

End If

End Sub

frmMarkSheet :

Private Sub cmdExit\_Click()

End

End Sub

Private Sub fmeDetails\_DragDrop(Source As Control, X As Single, Y As Single)

End Sub

Private Sub Form\_Load()

lblIDShow.Caption = frmMain.txtID.Text

lblNameshow.Caption = frmMain.txtName.Text

lblFatherShow.Caption = frmMain.txtFather.Text

lblClassShow.Caption = frmMain.cmbClass.Text

lblSub1Show.Caption = frmMain.txtSub1.Text

lblSub2Show.Caption = frmMain.txtSub2.Text

lblSub3Show.Caption = frmMain.txtSub3.Text

lblSub4Show.Caption = frmMain.txtSub4.Text

lblSub5Show.Caption = frmMain.txtSub5.Text

lblTotal.Caption = Val(frmMain.txtSub1.Text) + Val(frmMain.txtSub2.Text) + Val(frmMain.txtSub3.Text) + Val(frmMain.txtSub4.Text) + Val(frmMain.txtSub5.Text)

lblPercent.Caption = Format(Val(lblTotal.Caption) / 500, "##0.00%")

lblTime.Caption = Format(Now, "hh:mm:ss")

lblDate.Caption = Format(Now, "dd/mm/yyyy")

frmMarkSheet.Show

End Sub

Expression Calculator

Design Time Properties/Objects

|  |  |
| --- | --- |
| **lblA** | |
| Caption | A: |
|  | |
| **lblB** | |
| Caption | B: |
|  | |
| **lblC** |  |
| Caption | C: |
|  | |
| **lblResult** | |
| Caption | Result |
|  | |
| **lstOperationList** | List to hold Expressions |

|  |  |
| --- | --- |
| **frmMain** | |
| Caption | Calculator |
| Border | 1 – Fixed Single |
|  | |
| **txtA**  **txtB**  **txtC** | Inputs |
|  | |
| **optOperation1** |  |
| Caption | A + B + C |
|  | |
| **optOperation2** |  |
| Caption | B Mod C |
|  | |
| **optOperation3** |  |
| Caption | A/B - C |

Code

Private Sub Form\_Load()

Call Validate

End Sub

Private Sub optOperation1\_Click()

lstOperationList.AddItem (txtA.Text + " + " + txtB.Text + " + " + txtC.Text + " = " + Str(Val(txtA.Text) + Val(txtB.Text) + Val(txtC.Text)))

End Sub

Private Sub optOperation2\_Click()

lstOperationList.AddItem (txtB.Text + " MOD " + txtC.Text + " = " + Str(Val(txtB.Text) Mod Val(txtC.Text)))

End Sub

Private Sub optOperation3\_Click()

lstOperationList.AddItem (txtA.Text + " / " + txtB.Text + " - " + txtC.Text + " = " + Format(Val(txtA.Text) / Val(txtB.Text) - Val(txtC.Text), "##0.00"))

End Sub

Private Sub txtA\_KeyPress(KeyAscii As Integer)

If (KeyAscii >= vbKey0 And KeyAscii <= vbKey9) Or KeyAscii = vbKeyBack Then

Exit Sub

Else

KeyAscii = 0

End If

End Sub

Private Sub txtB\_KeyPress(KeyAscii As Integer)

If (KeyAscii >= vbKey0 And KeyAscii <= vbKey9) Or KeyAscii = vbKeyBack Then

Exit Sub

Else

KeyAscii = 0

End If

End Sub

Private Sub txtC\_KeyPress(KeyAscii As Integer)

If (KeyAscii >= vbKey0 And KeyAscii <= vbKey9) Or KeyAscii = vbKeyBack Then

Exit Sub

Else

KeyAscii = 0

End If

End Sub

Private Sub Validate()

If txtB.Text <> "" And txtC.Text <> "" Then

optOperation2.Enabled = True

If txtA.Text <> "" Then

optOperation1.Enabled = True

optOperation3.Enabled = True

Else

optOperation1.Enabled = False

optOperation3.Enabled = False

End If

Else

optOperation2.Enabled = False

optOperation1.Enabled = False

optOperation3.Enabled = False

End If

End Sub

Private Sub txtA\_Change()

Call Validate

End Sub

Private Sub txtB\_Change()

Call Validate

End Sub

Private Sub txtC\_Change()

Call Validate

End Sub

Shape Selector

Design Time Properties/Objects

|  |  |
| --- | --- |
| **frmMain** |  |
| BorderStyle | Fixed Single |
| Caption | Shape Selector |
|  |  |
| **lblTitle** |  |
| Caption | Shapes |
| Font | Timeline/Bold/16 |
|  |  |
| **lblPreview** |  |
| Caption | Preview |
| Font | Timeline/Bold/16 |
|  |  |
| **lblShapeSelect** |  |
| Caption | Select Shape |
|  |  |
| **fmeFill** |  |
| Caption | Fill Style |
|  |  |
| **fmeBorder** |  |
| Caption | BorderStyle |
|  |  |

|  |  |
| --- | --- |
| **lblFillStyle** |  |
| Caption | Fill Style |
|  |  |
| **lblFillColor** |  |
| Caption | Fill Color |
|  |  |
| **lblBorderStyle** |  |
| Caption | Border Style |
|  |  |
| **lblBorderColor** |  |
| Caption | BorderColor |
|  |  |
| **shpPreview** | Shape For Preview |
|  |  |
| **cmbShape** | Combo to select shape |
| **cmbFillColor** | Combo to select fill color |
| **cmbFillStyle** | Combo to select fill style |
| **cmbBorderStyle** | Combo to select border style |
| **cmbBorderColor** | Combo to select border color |

Code

Dim Colors(5) As Long

Private Sub cmbBorderColor\_Click()

shpPreview.BorderColor = Colors(cmbBorderColor.ListIndex)

End Sub

Private Sub cmbBorderStyle\_Click()

shpPreview.BorderStyle = cmbBorderStyle.ListIndex

End Sub

Private Sub cmbFillColor\_Click()

shpPreview.FillColor = Colors(cmbFillColor.ListIndex)

End Sub

Private Sub cmbFillStyle\_Click()

shpPreview.FillStyle = cmbFillStyle.ListIndex

End Sub

Private Sub cmbShape\_Click()

shpPreview.Shape = cmbShape.ListIndex

End Sub

Private Sub Form\_Load()

cmbShape.AddItem ("Rectangle")

cmbShape.AddItem ("Sqaure")

cmbShape.AddItem ("Oval")

cmbShape.AddItem ("Circle")

cmbShape.AddItem ("Rounded Rectangle")

cmbShape.AddItem ("Rounded Square")

cmbFillStyle.AddItem ("Solid")

cmbFillStyle.AddItem ("Transparent")

cmbFillStyle.AddItem ("Horizontal Line")

cmbFillStyle.AddItem ("Vertical Line")

cmbFillStyle.AddItem ("Upward Diagonal")

cmbFillStyle.AddItem ("Downward Diagonal")

cmbFillStyle.AddItem ("Cross")

cmbFillStyle.AddItem ("Diagonal Cross")

cmbBorderStyle.AddItem ("Transparent")

cmbBorderStyle.AddItem ("Solid")

cmbBorderStyle.AddItem ("Dash")

cmbBorderStyle.AddItem ("Dot")

cmbBorderStyle.AddItem ("Dash-Dot-Dot")

cmbBorderStyle.AddItem ("Inside Solid")

Colors(0) = vbBlack

Colors(1) = vbRed

Colors(2) = vbGreen

Colors(3) = vbBlue

Colors(4) = vbYellow

Colors(5) = vbCyan

cmbFillColor.AddItem ("Black")

cmbFillColor.AddItem ("Red")

cmbFillColor.AddItem ("Green")

cmbFillColor.AddItem ("Blue")

cmbFillColor.AddItem ("Yellow")

cmbFillColor.AddItem ("Cyan")

cmbBorderColor.AddItem ("Black")

cmbBorderColor.AddItem ("Red")

cmbBorderColor.AddItem ("Green")

cmbBorderColor.AddItem ("Blue")

cmbBorderColor.AddItem ("Yellow")

cmbBorderColor.AddItem ("Cyan")

cmbBorderColor.ListIndex = 0

cmbFillColor.ListIndex = 0

cmbBorderStyle.ListIndex = shpPreview.BorderStyle

cmbFillStyle.ListIndex = shpPreview.FillStyle

cmbShape.ListIndex = shpPreview.Shape

End Sub

Bill Generation Application

Design Time Properties/Objects

|  |  |
| --- | --- |
| **frmLogin** |  |
| Caption | Login |
| BorderStyle | Fixed Single |
| BackColor | &H000000FF& |
|  |  |
| **imgLogo** | (Vodafone logo) |
|  |  |
| **lblUserD** |  |
| Caption | Username |
| Font | Myriad Pro/18 |
|  |  |
| **lblPasswordD** |  |
| Caption | Password |
| Font | Myriad Pro/18 |
|  |  |
| **imgTxtContainer1**  **imgTxtContainer2** | Rounded Rectangular containers for text fields |
| **shpBorder** | Login area border |
|  |  |
| **txtUsername** | Text box for username |
|  |  |
| **txtPassword** |  |
| Font | Webdings |
| PasswordChar | = |
|  |  |
| **cmdLogin** |  |
| Caption | Login |
|  |  |
| **fmeAcknowledgement** |  |
| Caption | Acknowledgement Mode |
|  |  |
| **chkText** |  |
| Caption | Text Message |
|  |  |
| **chkEmail** |  |
| Caption | Email |
|  |  |
| **chkLetter** |  |
| Caption | Letter |
|  |  |
| **chkFax** |  |
| Caption | Fax |
|  |  |
| **fmePayment** |  |
| Caption | Payment Mode |
|  |  |
| **optCash** |  |
| Caption | Cash |
|  |  |
| **optCard** |  |
| Caption | Debit Card |
|  |  |
| **optBank** |  |
| Caption | Net Banking |
|  |  |
| **lblTime**  **lblName**  **lblAddress**  **lblPhone**  **lblEmail**  **lblPlan**  **lblPayment**  **lblLocal**  **lblSTD**  **lblISD**  **lblAmount**  **lblCard** | Lables to display information on bill |
|  |  |
| **lblPaymentD** |  |
| Caption | Payment Mode |
|  |  |
| **lblCardD** |  |
| Caption | Card/Account Number |
|  |  |
| **lblAmountD** |  |
| Caption | Final Amount |
|  |  |
| **cmdExit** |  |
| Caption | Exit |

|  |  |
| --- | --- |
| **frmDetails** |  |
| Caption | Enter Details |
| BorderStyle | Fixed Single |
|  |  |
| **lblTitle** |  |
| Caption | Bill Generation |
| Font | Myriad Pro/18 |
|  |  |
| **fmeDetails** |  |
| Caption | Customer Details |
|  |  |
| **lblName** |  |
| Caption | Name |
|  |  |
| **LblPhone** |  |
| Caption | Phone Number |
|  |  |
| **lblAddress** |  |
| Caption | Address |
|  |  |
| **lblEmail** |  |
| Caption | Email |
|  |  |
| **txtName** | Name Input |
| **txtPhone** | Phone Number Input |
| **txtAddress** | Address Inpur |
| **txtEmail** | Email Input |
|  |  |
| **optPlan1**, **OptPlan2**, **OptPlan3** | Option Buttons for selecting plans |
|  |  |
| **lblLocal** |  |
| Capion | Local Calls |
|  |  |
| **lblSTD** |  |
| Caption | STD Calls |
|  |  |
| **lblISD** |  |
| Caption | ISD Calls |
|  |  |
| **fmePlans** |  |
| Caption | Plans |
|  |  |
| **fmeCalls** |  |
| Caption | Call Details |
|  |  |
| **lblFinalD** |  |
| Caption | Final Amount |
| **lblCardD** |  |
| Caption | Card/Account Number |
|  |  |
| **cmdGenerate** |  |
| Caption | Generate Bill |
|  |  |
| **lblTimeD** |  |
| Caption | Time/Date |
|  |  |
| **lblNameD** |  |
| Caption | Name |
|  |  |
| **lblPhoneD** |  |
| Caption | Phone Number |
|  |  |
| **lblAdressD** |  |
| Caption | Address |
|  |  |
| **lblEmailD** |  |
| Caption | Email |
|  |  |
| **lblPlanD** |  |
| Caption | Plan |
|  |  |
| **lblLocalD** |  |
| Caption | Local Calls |
|  |  |
| **lblStdD** |  |
| Caption | STD Calls |
|  |  |
| **lblIsdD** |  |
| Caption | ISD Calls |

Code

frmLogin :

Private Sub cmdLogin\_Click()

If txtUsername.Text = "Administrator" And txtPassword.Text = "password" Then

Call Unload(frmLogin)

Call Load(frmDetails)

frmDetails.Show

Else

Call MsgBox("Invalid Input!", vbCritical + vbOKOnly, "Error!")

End If

End Sub

Private Sub Form\_Load()

frmLogin.BackColor = RGB(255, 42, 42)

End Sub

frmDetails:

Dim localRate As Single

Dim STDRate As Single

Dim ISDRate As Single

Public plan As String

Public payment As String

Private Sub UpdateAmount()

If optPlan1.Value = True Then

localRate = 0.5: STDRate = 3: ISDRate = 10: plan = optPlan1.Caption

ElseIf optPlan2.Value = True Then

localRate = 0.25: STDRate = 2: ISDRate = 5: plan = optPlan2.Caption

ElseIf optPlan3.Value = True Then

localRate = 0.5: STDRate = 1.5: ISDRate = 3: plan = optPlan3.Caption

End If

lblFinalAmt.Caption = Format(Str(Val(txtLocal.Text) \* localRate + Val(txtSTD.Text) \* STDRate + Val(txtISD.Text) \* ISDRate), "0.00") + " Rs"

End Sub

Private Function Validate() As Boolean

Dim flag As Integer

Dim errorAt As String

If txtName.Text = "" Then flag = 1: errorAt = "Name, "

If Len(txtPhone.Text) < 10 Then flag = 1: errorAt = errorAt + "Phone Number, "

If txtAddress.Text = "" Then flag = 1: errorAt = errorAt + "Address, "

If txtCard.Enabled = True And Len(txtCard.Text) < 10 Then flag = 1: errorAt = errorAt + "Card/Account Number, "

If flag = 1 Then

Call MsgBox("Please check the following fields: " + Left(errorAt, Len(errorAt) - 2), vbCritical + vbOKOnly, "Error!")

Validate = False

Else

Validate = True

End If

End Function

Private Sub cmdGenerate\_Click()

If Validate() Then

Call Load(frmBill)

Call Unload(frmDetails)

frmBill.Show

End If

End Sub

Private Sub Form\_Load()

optPlan1.Caption = "Plan 98 (Local 0.5 Paise/Min, STD 3 Rs/Min, ISD 10 Rs/Min)"

optPlan2.Caption = "Plan 120 (Local 0.25 Paise/Min, STD 2 Rs/Min, ISD 5 Rs/Min)"

optPlan3.Caption = "Plan 200 (Local 0.10 Paise/Min, STD 1.50 Rs/Min, ISD 3 Rs/Min)"

chkText.Value = 1

chkEmail.Value = 1

optCash.Value = True

optPlan1.Value = 1

plan = optPlan1.Caption

End Sub

Private Sub optBank\_Click()

txtCard.Enabled = True

txtCard.BackColor = vbWhite

payment = optBank.Caption

End Sub

Private Sub optCard\_Click()

txtCard.Enabled = True

txtCard.BackColor = vbWhite

payment = optCard.Caption

End Sub

Private Sub optCash\_Click()

txtCard.Enabled = False

txtCard.BackColor = &H80000000

payment = optCash.Caption

End Sub

Function getNumber(key As Integer) As Integer

If (key >= vbKey0 And key <= vbKey9) Or key = vbKeyBack Then

getNumber = key

Else

getNumber = 0

End If

End Function

Private Sub txtCard\_KeyPress(KeyAscii As Integer)

KeyAscii = getNumber(KeyAscii)

End Sub

Private Sub txtISD\_KeyPress(KeyAscii As Integer)

KeyAscii = getNumber(KeyAscii)

End Sub

Private Sub txtLocal\_KeyPress(KeyAscii As Integer)

KeyAscii = getNumber(KeyAscii)

End Sub

Private Sub txtPhone\_KeyPress(KeyAscii As Integer)

KeyAscii = getNumber(KeyAscii)

End Sub

Private Sub txtSTD\_Change()

Call UpdateAmount

End Sub

Private Sub txtLocal\_Change()

Call UpdateAmount

End Sub

Private Sub txtISD\_Change()

Call UpdateAmount

End Sub

Private Sub txtSTD\_KeyPress(KeyAscii As Integer)

KeyAscii = getNumber(KeyAscii)

End Sub

frmBill:

Private Sub Form\_Load()

lblTime.Caption = Now

lblName.Caption = frmDetails.txtName.Text

lblPhone.Caption = frmDetails.txtPhone.Text

lblAddress.Caption = frmDetails.txtAddress.Text

lblEmail.Caption = frmDetails.txtEmail.Text

lblPlan.Caption = frmDetails.plan

lblLocal.Caption = frmDetails.txtLocal.Text + " Minutes"

lblSTD.Caption = frmDetails.txtSTD.Text + " Minutes"

lblIsd.Caption = frmDetails.txtISD.Text + " Minutes"

lblPayment.Caption = frmDetails.payment

lblCard.Caption = frmDetails.txtCard.Text

lblAmount.Caption = frmDetails.lblFinalAmt

End Sub

Private Sub cmdExit\_Click()

End

End Sub

Battery Charger

Design Time Properties

|  |  |
| --- | --- |
| **frmMain** |  |
| Caption | Battery Charger |
| Border Style | Fixed Single |
| BackColor | &H00000000& |
|  |  |
| **lblTitle** |  |
| Caption | Battery Charger |
| Font | Adobe Gothic Std/26/Bold |
| BackColor | &H00C0C000& |
|  |  |
| **lblStatusShow** |  |
| Caption | Status |
|  |  |
| **lblStatus** |  |
| Caption | Charging |
|  |  |
| **imgPlug**  **imgCaution** | Images to represent status |

|  |  |
| --- | --- |
| **lblLevelShow** |  |
| Caption | Battery Level |
|  |  |
| **lblRemainShow** |  |
| Caption | Remaining |
|  |  |
| **tmrPlug** |  |
| Interval | 500 |
|  |  |
| **shpBody1**  **shpBody2** | Shapes to create body of the battery |
|  |  |
| **Shpbar()** | Array to create level bars |

Code:

Dim I As Integer

Dim Charged As Integer

Dim Red As Integer

Dim Green As Integer

Private Function getColor(ByVal Level As Integer) As Double

Level = (100 / shpBar.Count) \* Level

If Level < 50 Then

Green = (255 / 50) \* Level

Red = 255

Else

Green = 255

Red = (255 / 50) \* (100 - Level)

End If

getColor = RGB(Red, Green, 0)

End Function

Private Sub Form\_Load()

I = -1

Charged = 0

Red = 255

Green = 0

End Sub

Private Sub lblLevel\_Click()

End Sub

Private Sub lblStatusShow\_Click()

End Sub

Private Sub tmrPlug\_Timer()

If Charged < 100 Then

If imgPlug.Visible = True Then

imgPlug.Visible = False

Else

imgPlug.Visible = True

End If

I = I + 1

If I = shpBar.Count Then

For I = Int(Charged / (100 / shpBar.Count)) To shpBar.Count - 1

shpBar(I).Visible = False

Next I

I = Int(Charged / (100 / shpBar.Count)) - 1

Else

shpBar(I).Visible = True

End If

For x = 0 To I

shpBar(I).FillColor = getColor(ByVal I)

Next x

Charged = Charged + 1

pBoxLevel.Cls

pBoxRemain.Cls

pBoxLevel.Print (Str(Charged) + "%")

pBoxRemain.Print (Str(100 - Charged) + "%")

Else

lblStatus.Caption = "Battery Full!"

lblStatus.ForeColor = vbRed

imgPlug.Visible = False

If lblCaution.Visible = True Then

lblCaution.Visible = False

Else

lblCaution.Visible = True

End If

End If

End Sub











