**Documentation\_**

**Software Inventory**

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**Libraries**

* **Visual Basic 6.0**
* **Microsoft Access for Database**

**Object and Classes**

**' Deklarasi semua variable menggunakan**

**' statement Option Explicit**

**' Bekerja mirip seperti import .**

Option Explicit

Dim db As Database

Dim rs As Recordset

Dim DoWhat As Integer

Dim NumRows As Integer

**' Setup Database dan Object ,**

**' serta penggunaan dan memuat database itu sendiri**

Private Sub Form\_Load()

Set db = OpenDatabase(App.Path & "\data.mdb")

Set rs = db.OpenRecordset("tblSoftware", dbOpenDynaset)

cmdSave.Enabled = False

cmdClear.Enabled = False

cmdCancel.Enabled = False

cmdCancel.Visible = False

txtTitle.Text = ""

txtTitle.Locked = True

txtSerial.Text = ""

txtSerial.Locked = True

txtCompany.Text = ""

txtCompany.Locked = True

fraRecord.Caption = "Record:"

rs.MoveFirst

GetData

End Sub

**' Interaksi CRUD (Create Read Update Delete)**

**' DoWhat akan menyatakan sebuah kondisi jika terdapat perubahan**

Private Sub cmdSave\_Click()

cmdSave.Enabled = False

cmdClear.Enabled = False

cmdGo.Enabled = True

cmdFirst.Enabled = True

cmdNext.Enabled = True

cmdBack.Enabled = True

cmdLast.Enabled = True

txtGo.Enabled = True

If DoWhat = 0 Then

With rs

.AddNew

!Title = txtTitle.Text

!Serial = txtSerial.Text

!Company = txtCompany.Text

.Update

End With

Else

With rs

.Edit

!Title = txtTitle.Text

!Serial = txtSerial.Text

!Company = txtCompany.Text

.Update

End With

End If

End Sub

**' Digunakan untuk menghapus teks**

Private Sub cmdClear\_Click()

cmdGo.Enabled = False

cmdFirst.Enabled = False

cmdNext.Enabled = False

cmdBack.Enabled = False

cmdLast.Enabled = False

txtGo.Enabled = False

If DoWhat = 0 Then

txtTitle.Text = ""

txtSerial.Text = ""

txtCompany.Text = ""

Else

GetData

End If

End Sub

**' Mode batal saat Editing mode berlangsung**

**' ini akan memuat ke View Mode**

Private Sub cmdCancel\_Click()

cmdGo.Visible = True

cmdGo.Enabled = True

cmdFirst.Enabled = True

cmdBack.Enabled = True

cmdNext.Enabled = True

cmdLast.Enabled = True

Form\_Load

End Sub

Private Sub cmdBack\_Click()

**' Memuat halaman sebelumnya (bagian dari route dan navigasi)**

rs.MovePrevious

If rs.BOF = True Then rs.MoveFirst

GetData

End Sub

**' Memuat interaksi database ke baris pertama (Forward)**

Private Sub cmdFirst\_Click()

rs.MoveFirst

GetData

End Sub

**' Memuat interaksi database langsung ke baris terakhir**

Private Sub cmdLast\_Click()

rs.MoveLast

GetData

End Sub

**' Memuat interaksi Database ke baris selanjutnya (Next)**

Private Sub cmdNext\_Click()

rs.MoveNext

If rs.EOF = True Then rs.MoveLast

GetData

End Sub

**' Function yang berinteraksi dengan database ,**

**' yang digunakan untuk mencari rekaman melalui conditional**

**' Input yang digunakan adalah integer dan string**

**' Jika kedua kondisi terpenuhi , akan ditampilkan rekaman**

**' jika tidak akan dimuat sesuai dengan int/string yang ada**

Private Sub cmdGo\_Click()

Dim Record As Integer

If txtGo.Text = "" Then

MsgBox "Enter an integer only", vbCritical + vbOKOnly, "Error with Input"

Else

If IsNumeric(txtGo.Text) = False Then

MsgBox "Enter an integer only", vbCritical + vbOKOnly, "Error with Input"

Else

GetNumRows

Record = txtGo.Text - 1

If Record < 0 Then Record = 0

If Record > NumRows Then Record = NumRows - 1

rs.MoveFirst

rs.Move (Record)

GetData

End If

End If

txtGo.Text = ""

End Sub

**' Memuat dialog box yang berinteraksi database ketika diclick**

Private Sub mnuFOpen\_Click()

With dlgOpen

.DialogTitle = "Open Database"

.CancelError = False

.Filter = "Database Files (\*.dat,\*.mdb)|\*.dat;\*.mdb|"

.Filter = .Filter + "Access Databases (\*.mdb)|\*.mdb|"

.Filter = .Filter + "Dat Files (\*.dat)|\*.dat|"

.Filter = .Filter + "All Files (\*.\*)|\*.\*"

.InitDir = App.Path

.ShowOpen

If Len(.FileName) = 0 Then

Exit Sub

End If

End With

End Sub

**' Program diakhiri**

Private Sub mnuFExit\_Click()

Unload Me

End

End Sub

**' Verifikasi apakah ingin mendelete database ini ?**

Private Sub mnuTDelete\_Click()

Dim Answer As Integer

Answer = MsgBox("Are you sure you want to delete this record?", vbQuestion + vbYesNo, "Verify Deletion of Record")

If Answer = 6 Then

rs.Delete

rs.MoveLast

GetData

Else

GetData

End If

End Sub

**' mnuTEdit digunakan untuk mengedit text box**

**' fitur ini berinteraksi dengan DoWhat untuk editing rekaman**

Private Sub mnuTEdit\_Click()

cmdSave.Enabled = True

cmdClear.Enabled = True

txtTitle.Locked = False

txtSerial.Locked = False

txtCompany.Locked = False

cmdCancel.Visible = True

cmdCancel.Enabled = True

cmdGo.Visible = False

cmdGo.Enabled = False

cmdNext.Enabled = False

cmdLast.Enabled = False

cmdFirst.Enabled = False

cmdBack.Enabled = False

DoWhat = 1

End Sub

**' mnuTNew\_Click akan membuat text box menjadi kosong**

**' fitur ini digunakan untuk (Save , Clear , Cancel)**

**' yang berinteraksi dengan DoWhat**

Private Sub mnuTNew\_Click()

cmdSave.Enabled = True

cmdClear.Enabled = True

cmdGo.Enabled = False

cmdNext.Enabled = False

cmdLast.Enabled = False

cmdFirst.Enabled = False

cmdBack.Enabled = False

txtTitle.Text = ""

txtTitle.Locked = False

txtSerial.Text = ""

txtSerial.Locked = False

txtCompany.Text = ""

txtCompany.Locked = False

cmdCancel.Visible = True

cmdCancel.Enabled = True

cmdGo.Visible = False

DoWhat = 0

End Sub

**' Menampilkan database pada MS Access**

Private Sub mnuTPrint\_Click()

rptSoftware.Show

End Sub

Private Sub mnuHAbout\_Click()

-

' Menampilkan nama-nama pembuat program pada about box

-

Dim Line1, Title

Line1 = "Software Inventory : Riani , Dimas , Purnomo , Heri , Rizki "

Title = "About Software Inventory"

MsgBox Line1, vbInformation + vbOKOnly, Title

End Sub

**' Code penyanggah jika terdapat error .**

**' Note : Belum di implementasi**

Private Sub mnuHHelp\_Click()

Dim nRun

nRun = Shell("hh.exe " & App.Path & "\help.chm", vbMaximizedFocus)

End Sub

**' Function ini digunakan untuk membaca/memuat database**

Public Function GetData()

fraRecord.Caption = "Record:" & rs.Fields("ID")

txtTitle.Text = rs.Fields("Title")

txtSerial.Text = rs.Fields("Serial")

txtCompany.Text = rs.Fields("Company")

End Function

**' Function dibawah ini menyatakan jumlah baris pada Database**

Public Function GetNumRows()

NumRows = 0

rs.MoveFirst

Do While Not rs.EOF

NumRows = NumRows + 1

rs.MoveNext

Loop

End Function

**Related Issues**

* Saat berinteraksi dengan Database , Unexpected EoF (tergantung environment)
* Terkadang rekaman tidak dapat memuat semestinya

**Reference :**

* *Microsoft Docs :* [*https://docs.microsoft.com/en-us/dotnet/visual-basic/programming-guide/language-features/objects-and-classes*](https://docs.microsoft.com/en-us/dotnet/visual-basic/programming-guide/language-features/objects-and-classes)