

Lampiran 1: Listing Program Online Cinema Client Form Login

```

Dim rs      As ADODB.Recordset
Dim cm      As ADODB.Command
Dim prm     As ADODB.Parameter
Dim cn      As ADODB.Connection
Dim tampil  As Integer

Private Sub ExitBtn_Click()
    Unload Admin
    Unload Movie
    Unload MovSelect
    Unload PassChange
    Unload Me
End Sub

Private Sub Form_Load()
    tampil = 0
    ProgressBar1.Value = 0
    UnameTxt.Text = ""
    PassTxt.Text = ""
End Sub

Private Sub LoginBtn_Click()
    On Error GoTo wek
    Set rs = New ADODB.Recordset
    Set cm = New ADODB.Command
    Set cn = New ADODB.Connection

    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=telematics.petra.ac.id"
    cn.CursorLocation = adUseClient

    rs.Open "select * from customer where uname =' " &
Trim(UnameTxt.Text) & "' and pass =' " & Trim(PassTxt.Text) & "'",
cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        Admin.UnameVar = UnameTxt.Text
        Admin.Show
        Admin.lanjut = False
        Admin.cek = True
        Unload Me
    Else
        MsgBox "Invalid username or password. Please try again."
        PassTxt.Text = ""
    End If
    rs.Close

wek:
    If Err.Number = -2147467259 Then
        MsgBox "Server weren't started yet", vbCritical, "Online
Cinema"
    End If
End Sub

```

Lampiran 1: Listing Program Online Cinema Client Form Login (Lanjutan)

```

Private Sub Timer1_Timer()
    If ProgressBar1.Value = 100 Then
        LoginBtn.Visible = True
        ExitBtn.Visible = True
        UnameTxt.Visible = True
        PassTxt.Visible = True
        Timer1.Enabled = False
        Timer3.Enabled = True
        ProgressBar1.Visible = False
        Label1.Visible = True
        Label2.Visible = True
        Label3.Visible = False
    End If
End Sub

Private Sub Timer2_Timer()
    If ProgressBar1.Value < 100 Then
        ProgressBar1.Value = ProgressBar1.Value + 1
        ProgressBar1.Text = ProgressBar1.Value
    End If
End Sub

Private Sub Timer3_Timer()
    If tampil = 1 Then
        Label4.Caption = "i"
    End If
    If tampil = 2 Then
        Label4.Caption = "ri"
    End If
    If tampil = 3 Then
        Label4.Caption = "ori"
    End If
    If tampil = 4 Then
        Label4.Caption = "Rori"
    End If
    If tampil = 5 Then
        Label4.Caption = " Rori"
    End If
    If tampil = 7 Then
        Label4.Caption = "i Rori"
    End If
    If tampil = 8 Then
        Label4.Caption = "ri Rori"
    End If
    If tampil = 9 Then
        Label4.Caption = "uri Rori"
    End If
    If tampil = 10 Then
        Label4.Caption = "Yuri Rori"
    End If
    If tampil = 11 Then
        Label4.Caption = " Yuri Rori"
    End If
    If tampil = 12 Then
        Label4.Caption = "u Yuri Rori"
    End If

```

Lampiran 1: Listing Program Online Cinema Client Form Login (Lanjutan)

```

End If
If tampil = 13 Then
Label4.Caption = "ru Yuri Rori"
End If
If tampil = 14 Then
Label4.Caption = "eru Yuri Rori"
End If
If tampil = 15 Then
Label4.Caption = "Heru Yuri Rori"
End If
If tampil = 16 Then
Label4.Caption = " Heru Yuri Rori"
End If
If tampil = 17 Then
Label4.Caption = "- Heru Yuri Rori"
End If
If tampil = 18 Then
Label4.Caption = " - Heru Yuri Rori"
End If
If tampil = 19 Then
Label4.Caption = "a - Heru Yuri Rori"
End If
If tampil = 20 Then
Label4.Caption = "ma - Heru Yuri Rori"
End If
If tampil = 21 Then
Label4.Caption = "ema - Heru Yuri Rori"
End If
If tampil = 22 Then
Label4.Caption = "nema - Heru Yuri Rori"
End If
If tampil = 23 Then
Label4.Caption = "inema - Heru Yuri Rori"
End If
If tampil = 24 Then
Label4.Caption = "Cinema - Heru Yuri Rori"
End If
If tampil = 25 Then
Label4.Caption = " Cinema - Heru Yuri Rori"
End If
If tampil = 26 Then
Label4.Caption = "e Cinema - Heru Yuri Rori"
End If
If tampil = 27 Then
Label4.Caption = "ne Cinema - Heru Yuri Rori"
End If
If tampil = 28 Then
Label4.Caption = "ine Cinema - Heru Yuri Rori"
End If
If tampil = 29 Then
Label4.Caption = "line Cinema - Heru Yuri Rori"
End If
If tampil = 30 Then
Label4.Caption = "nline Cinema - Heru Yuri Rori"
End If

```

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```
    If tampil = 31 Then
        Label4.Caption = "Online Cinema - Heru Yuri Rori"
    End If
    If tampil = 32 Then
        Label4.Caption = ""
        tampil = 0
    End If
    tampil = tampil + 1

End Sub
```

Lampiran 2: Listing Program Online Cinema Client Form Admin

```

Option Explicit
'-----
'Variable initialization
'-----

Public UnameVar As String
Public lanjut As Boolean
Public cek As Boolean

'-----
'Used to create connection
'-----

Dim rs As ADODB.Recordset
Dim cm As ADODB.Command
Dim prm As ADODB.Parameter
Dim cn As ADODB.Connection
Dim ServRs As ADODB.Recordset
Dim ServCm As ADODB.Command
Dim ServPrm As ADODB.Parameter
Dim rs1 As ADODB.Recordset
Dim PesanRs As ADODB.Recordset
Dim PlayRs As ADODB.Recordset
Dim ans As Boolean
Dim want As Boolean

Private Sub ChangeButton_Click()
    PassChange.Show
End Sub

Private Sub Form_Load()
    ans = True
    want = True

    Set rs = New ADODB.Recordset
    Set cm = New ADODB.Command
    Set cn = New ADODB.Connection
    Set rs1 = New ADODB.Recordset
    Set ServRs = New ADODB.Recordset
    Set ServCm = New ADODB.Command
    Set PesanRs = New ADODB.Recordset
    Set PlayRs = New ADODB.Recordset

    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=telematics.petra.ac.id"
    cn.CursorLocation = adUseClient

    ' Create the Command
    With cm
        .ActiveConnection = cn
        .CommandType = adCmdText
    End With

```

Lampiran 2: Listing Program Online Cinema Client Form Admin (Lanjutan)

```

        .CommandText = "SELECT * FROM Customer WHERE uname = ?"
        Set prm = .CreateParameter("uname", adVarChar, adParamInput,
10, "")
        ' Refresh the parameters collection and populate it
        .Parameters.Append prm
        .Prepared = True
    End With

    Set rs.Source = cm
    rs.Open , , adOpenKeyset, adLockBatchOptimistic

    ' Create the Command
    With ServCm
        .ActiveConnection = cn
        .CommandText = "SELECT * FROM server WHERE id = ?"
        .CommandType = adCmdText
        Set ServPrm = .CreateParameter("id", adVarChar,
adParamInput, 1, "")
        ' Refresh the parameters collection and populate it
        .Parameters.Append ServPrm
        .Prepared = True
    End With

    Set ServRs.Source = ServCm
    ServRs.Open , , adOpenKeyset, adLockBatchOptimistic
End Sub

Private Sub LogOutBtn_Click()
    Login.Show
    Unload Me
End Sub

Private Sub SelectButton_Click()
    MovSelect.Show
End Sub

Private Sub Timer1_Timer()
    If cek = True Then
        prm.Value = UnameVar
        rs.Requery

        ServPrm.Value = "1"
        ServRs.Requery

        Label2.Caption = "Logged in as" + rs!uname
        Label3.Caption = "Deposit" + rs!deposit + "Rp."
        Label4.Caption = rs!deposit
        TimeLbl.Caption = GetServerDate("all")
        If ServRs!Status <> "public" And ans = False Then
            ans = True
        End If
        If (ServRs!Status = "public" Or ServRs!Status = "none")
And want = False Then
            want = True

```

Lampiran 2: Listing Program Online Cinema Client Form Admin (Lanjutan)

```

End If

    If ServRs!Status = "public" And ans = True Then
        If MsgBox("Do you want to see free content from server
now?", vbYesNo, "Free Movie") = vbYes Then
            watch
        Else
            ans = False
        End If
    End If

    If ServRs!Status <> "public" And ServRs!Status <> "none"
And want = True Then
        PlayRs.Open "select * from movie where idmov='" &
ServRs!Status & "'", cn, adOpenDynamic
        If PlayRs.RecordCount > 0 Then
            MovieLbl.Caption = "Now Playing " +
PlayRs!judul
            PesanRs.Open "select * from pesan where uname
='" & UnameVar & "' and idmov='" & ServRs!Status & "'", cn,
adOpenDynamic
            If PesanRs.RecordCount > 0 Then
                lanjut = True
            Else
                lanjut = False
            End If
            PesanRs.Close
        End If
        PlayRs.Close
    End If

    If ServRs!Status = "public" Or ServRs!Status = "none" Then
        MovieLbl.Caption = ""
    End If

    If lanjut = True Then
        PlayRs.Open "select * from movie where idmov='" &
ServRs!Status & "'", cn, adOpenDynamic
        If PlayRs.RecordCount > 0 And want = True Then
            If MsgBox("Movie " & PlayRs!judul & " started. Do
u want to watch?", vbYesNo, "Attention") = vbYes Then
                WatchButton_Click
            Else
                want = False
            End If
        End If
        PlayRs.Close
    End If
End If
End Sub

Private Sub WatchButton_Click()
    prm.Value = UnameVar
    rs.Requery

```

Lampiran 2: Listing Program Online Cinema Client Form Admin (Lanjutan)

```

ServPrm.Value = "1"
ServRs.Requery

'there are 3 ways to get field that return string
'rs("mac").Value
'rs("mac")
'rs!mac
'Label2.Caption = rs!mac

If ServRs!Status = "none" Then
    MsgBox "tidak ada film yang di broadcast sekarang"
ElseIf ServRs!Status <> "public" Then
    rs1.Open "select * from pesan where uname='" & UnameVar &
'' and idmov='" & ServRs!Status & "'", cn, adOpenDynamic
    If rs1.RecordCount > 0 Then
        watch
    Else
        MsgBox "You didn't have permission to watch this
movie"
    End If
    rs1.Close
ElseIf ServRs!Status = "public" Then
    watch
End If
End Sub

Private Sub watch()
    If IsNull(rs!Mac) Or rs!Mac = fGetMacAddress Then
        cn.Execute "update customer set mac = '" & fGetMacAddress
& "' where uname = '" & UnameVar & "'"
        cek = False
        Movie.UnameVar = UnameVar
        Movie.Show
        Unload Me
        Unload MovSelect
    ElseIf rs!Mac <> fGetMacAddress Then
        If MsgBox("Only one computer can do this operation. Do you
want to continue?", vbYesNo, "Another session detected") = vbYes
Then
            cn.Execute "update customer set mac = '" &
fGetMacAddress & "' where uname = '" & UnameVar & "'"
            cek = False
            Movie.UnameVar = UnameVar
            Movie.Show
            Unload Me
            Unload MovSelect
        End If
    End If
End Sub

```


Lampiran 3: Listing Program Online Cinema Client Form Movie

Option Explicit

```

Dim rs      As ADODB.Recordset
Dim cm      As ADODB.Command
Dim prm     As ADODB.Parameter
Dim cn      As ADODB.Connection
Dim ServRs  As ADODB.Recordset
Dim ServCm  As ADODB.Command
Dim ServPrm As ADODB.Parameter
Dim a       As Integer

Public UnameVar As String

Private Sub Form_Load()
    Set rs = New ADODB.Recordset
    Set cm = New ADODB.Command
    Set cn = New ADODB.Connection
    Set ServRs = New ADODB.Recordset
    Set ServCm = New ADODB.Command

    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=telematics.petra.ac.id"
    cn.CursorLocation = adUseClient

    With cm
        .ActiveConnection = cn
        .CommandType = adCmdText
        .CommandText = "SELECT * FROM Customer WHERE uname = ?"
        Set prm = .CreateParameter("uname", adVarChar,
adParamInput, 10, "")
        .Parameters.Append prm
        .Prepared = True
    End With
    Set rs.Source = cm
    rs.Open , , adOpenKeyset, adLockBatchOptimistic

    ' Create the Command
    With ServCm
        .ActiveConnection = cn
        .CommandText = "SELECT * FROM server WHERE id = ?"
        .CommandType = adCmdText
        Set ServPrm = .CreateParameter("id", adVarChar,
adParamInput, 1, "")
        ' Refresh the parameters collection and populate it
        .Parameters.Append ServPrm
        .Prepared = True
    End With

    Set ServRs.Source = ServCm
    ServRs.Open , , adOpenKeyset, adLockBatchOptimistic

    WindowsMediaPlayer1.URL = "http://telematics.petra.ac.id:8899"

```

Lampiran 3: Listing Program Online Cinema Client Form Movie (Lanjutan)

```

    WindowsMediaPlayer1.Controls.play

    a = 9

    prm.Value = UnameVar
    rs.Requery

End Sub

Private Sub Timer1_Timer()
    ServPrm.Value = "1"
    ServRs.Requery

    If rs!Mac <> fGetMacAddress Then
        Movie.WindowsMediaPlayer1.fullScreen = False
        Label1.Visible = True
        Label2.Visible = True
        Label4.Visible = True
        Timer2.Enabled = True
        Timer3.Enabled = True
        Timer1.Enabled = False
        Movie.Enabled = False
    End If

    If WindowsMediaPlayer1.Status = "Ready" And ServRs!Status =
"public" Then
        WindowsMediaPlayer1.Controls.play
    ElseIf WindowsMediaPlayer1.Status = "Ready" And ServRs!Status
= "none" Then
        cn.Execute "update customer set mac = NULL where uname =
'" & UnameVar & "'"
        Admin.lanjut = False
        Admin.cek = True
        Admin.UnameVar = UnameVar
        Admin.Show
        Unload Me
    End If

    If WindowsMediaPlayer1.Status = "Stopped" Then
        cn.Execute "update customer set mac = NULL where uname =
'" & UnameVar & "'"
        Admin.lanjut = False
        Admin.cek = True
        Admin.UnameVar = UnameVar
        Admin.Show
        Unload Me
    End If
End Sub

Private Sub Timer2_Timer()
    Unload Me
    Login.Show
End Sub

```

Lampiran 3: Listing Program Online Cinema Client Form Movie (Lanjutan)

```
Private Sub Timer3_Timer()  
    Label3.Caption = a  
    a = a - 1  
End Sub
```

Lampiran 4: Listing Program Online Cinema Client Form MovSelect

```

Dim rs      As ADODB.Recordset
Dim rsPesan As ADODB.Recordset
Dim rsOk     As ADODB.Recordset
Dim rsBeli   As ADODB.Recordset
Dim rsCust   As ADODB.Recordset
Dim cm       As ADODB.Command
Dim prm      As ADODB.Parameter
Dim cn       As ADODB.Connection
Dim page     As Integer
Dim waktu    As String

Private Sub masuk()
    rs.Open "select * from movie where playtime = '" & waktu & "'
and playdate = '" & Format$(GetServerDate("date") + page),
"dd/mm/yyyy)" & "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        If rsCust!deposit > 15000 Then
            rsOk.Open "insert into pesan (idmov, uname, dateorder)
values ('" & rs!idmov & "', '" & Admin.UnameVar & "', '" &
GetServerDate("all") & "')" , cn, adOpenDynamic
            cn.Execute "update customer set deposit = '" &
(rsCust!deposit - 15000) & "' where uname = '" & Admin.UnameVar &
"'"
        End If
    End If
    rs.Close
    tampil
End Sub

Private Sub tampil()
    DateLbl.Caption = GetServerDate("date") + page
    Mov1Lst.Clear
    Mov2Lst.Clear
    Mov3Lst.Clear
    Mov4Lst.Clear
    Mov5Lst.Clear
    Mov6Lst.Clear
    Mov7Lst.Clear
    Mov8Lst.Clear
    Mov1Lst.AddItem "Play Time 1:00:00"
    Mov2Lst.AddItem "Play Time 4:00:00"
    Mov3Lst.AddItem "Play Time 7:00:00"
    Mov4Lst.AddItem "Play Time 10:00:00"
    Mov5Lst.AddItem "Play Time 13:00:00"
    Mov6Lst.AddItem "Play Time 16:00:00"
    Mov7Lst.AddItem "Play Time 19:00:00"
    Mov8Lst.AddItem "Play Time 22:00:00"

    rs.Open "select * from movie where playtime = '1:00:00' and
playdate = '" & Format$(GetServerDate("date") + page),
"dd/mm/yyyy)" & "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        If rs!Status = "belum" Then

```

Lampiran 4: Listing Program Online Cinema Client Form MovSelect (Lanjutan)

```

        rsPesan.Open "select * from pesan where uname = '" &
Admin.UnameVar & "' and idmov = '" & rs!idmov & "'", cn,
adOpenDynamic
        If rsPesan.RecordCount > 0 Then
            Mov1Lst.AddItem "You already have permission to
watch this movie"
            Mov1Lst.AddItem rs!judul
            Mov1Lst.AddItem rs!Description
            Mov1Btn.Enabled = False
        Else
            Mov1Lst.AddItem rs!judul
            Mov1Lst.AddItem rs!Description
            Mov1Btn.Enabled = True
        End If
        rsPesan.Close
    ElseIf rs!Status = "sudah" Then
        Mov1Lst.AddItem "Sorry, the movie is done"
        Mov1Lst.AddItem rs!judul
        Mov1Lst.AddItem rs!Description
        Mov1Btn.Enabled = False
    End If

Else
    Mov1Lst.AddItem "Movie Not Available"
    Mov1Btn.Enabled = False
End If
rs.Close

rs.Open "select * from movie where playtime = '4:00:00' and
playdate = '" & Format$(GetServerDate("date") + page),
"dd/mm/yyyy") & "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        If rs!Status = "belum" Then
            rsPesan.Open "select * from pesan where uname = '" &
Admin.UnameVar & "' and idmov = '" & rs!idmov & "'", cn,
adOpenDynamic
            If rsPesan.RecordCount > 0 Then
                Mov2Lst.AddItem "You already have permission to
watch this movie"
                Mov2Lst.AddItem rs!judul
                Mov2Lst.AddItem rs!Description
                Mov2Btn.Enabled = False
            Else
                Mov2Lst.AddItem rs!judul
                Mov2Lst.AddItem rs!Description
                Mov2Btn.Enabled = True
            End If
            rsPesan.Close
        ElseIf rs!Status = "sudah" Then
            Mov2Lst.AddItem "Sorry, the movie is done"
            Mov2Lst.AddItem rs!judul
            Mov2Lst.AddItem rs!Description
            Mov2Btn.Enabled = False
        End If
    End If

```

Lampiran 4: Listing Program Online Cinema Client Form MovSelect (Lanjutan)

```

        End If
    Else
        Mov2Lst.AddItem "Movie Not Available"
        Mov2Btn.Enabled = False
    End If
    rs.Close

    rs.Open "select * from movie where playtime = '7:00:00' and
playdate = '" & Format$(GetServerDate("date") + page),
"dd/mm/yyyy)" & "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        If rs!Status = "belum" Then
            rsPesan.Open "select * from pesan where uname = '" &
Admin.UnameVar & "' and idmov = '" & rs!idmov & "'", cn,
adOpenDynamic
            If rsPesan.RecordCount > 0 Then
                Mov3Lst.AddItem "You already have permission to
watch this movie"
                Mov3Lst.AddItem rs!judul
                Mov3Lst.AddItem rs!Description
                Mov3Btn.Enabled = False
            Else
                Mov3Lst.AddItem rs!judul
                Mov3Lst.AddItem rs!Description
                Mov3Btn.Enabled = True
            End If
            rsPesan.Close
        ElseIf rs!Status = "sudah" Then
            Mov3Lst.AddItem "Sorry, the movie is done"
            Mov3Lst.AddItem rs!judul
            Mov3Lst.AddItem rs!Description
            Mov3Btn.Enabled = False
        End If

    Else
        Mov3Lst.AddItem "Movie Not Available"
        Mov3Btn.Enabled = False
    End If
    rs.Close

    rs.Open "select * from movie where playtime = '10:00:00' and
playdate = '" & Format$(GetServerDate("date") + page),
"dd/mm/yyyy)" & "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        If rs!Status = "belum" Then
            rsPesan.Open "select * from pesan where uname = '" &
Admin.UnameVar & "' and idmov = '" & rs!idmov & "'", cn,
adOpenDynamic
            If rsPesan.RecordCount > 0 Then
                Mov4Lst.AddItem "You already have permission to
watch this movie"
                Mov4Lst.AddItem rs!judul
                Mov4Lst.AddItem rs!Description
                Mov4Btn.Enabled = False
            Else

```

Lampiran 4: Listing Program Online Cinema Client Form MovSelect (Lanjutan)

```

        Mov4Lst.AddItem rs!judul
        Mov4Lst.AddItem rs!Description
        Mov4Btn.Enabled = True
    End If
    rsPesan.Close
ElseIf rs!Status = "sudah" Then
    Mov4Lst.AddItem "Sorry, the movie is done"
    Mov4Lst.AddItem rs!judul
    Mov4Lst.AddItem rs!Description
    Mov4Btn.Enabled = False
End If
Else
    Mov4Lst.AddItem "Movie Not Available"
    Mov4Btn.Enabled = False
End If
rs.Close

    rs.Open "select * from movie where playtime = '13:00:00' and
playdate = '" & Format$(GetServerDate("date") + page),
"dd/mm/yyyy") & "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        If rs!Status = "belum" Then
            rsPesan.Open "select * from pesan where uname = '" &
Admin.UnameVar & "' and idmov = '" & rs!idmov & "'", cn,
adOpenDynamic
            If rsPesan.RecordCount > 0 Then
                Mov5Lst.AddItem "You already have permission to
watch this movie"
                Mov5Lst.AddItem rs!judul
                Mov5Lst.AddItem rs!Description
                Mov5Btn.Enabled = False
            Else
                Mov5Lst.AddItem rs!judul
                Mov5Lst.AddItem rs!Description
                Mov5Btn.Enabled = True
            End If
            rsPesan.Close
        ElseIf rs!Status = "sudah" Then
            Mov5Lst.AddItem "Sorry, the movie is done"
            Mov5Lst.AddItem rs!judul
            Mov5Lst.AddItem rs!Description
            Mov5Btn.Enabled = False
        End If
    Else
        Mov5Lst.AddItem "Movie Not Available"
        Mov5Btn.Enabled = False
    End If
    rs.Close

    rs.Open "select * from movie where playtime = '16:00:00' and
playdate = '" & Format$(GetServerDate("date") + page),
"dd/mm/yyyy") & "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        If rs!Status = "belum" Then

```

Lampiran 4: Listing Program Online Cinema Client Form MovSelect (Lanjutan)

```

        rsPesan.Open "select * from pesan where uname = '" &
Admin.UnameVar & "' and idmov = '" & rs!idmov & "'", cn,
adOpenDynamic
        If rsPesan.RecordCount > 0 Then
            Mov6Lst.AddItem "You already have permission to
watch this movie"
            Mov6Lst.AddItem rs!judul
            Mov6Lst.AddItem rs!Description
            Mov6Btn.Enabled = False
        Else
            Mov6Lst.AddItem rs!judul
            Mov6Lst.AddItem rs!Description
            Mov6Btn.Enabled = True
        End If
        rsPesan.Close
    ElseIf rs!Status = "sudah" Then
        Mov6Lst.AddItem "Sorry, the movie is done"
        Mov6Lst.AddItem rs!judul
        Mov6Lst.AddItem rs!Description
        Mov6Btn.Enabled = False
    End If
Else
    Mov6Lst.AddItem "Movie Not Available"
    Mov6Btn.Enabled = False
End If
rs.Close

rs.Open "select * from movie where playtime = '19:00:00' and
playdate = '" & Format$(GetServerDate("date") + page),
"dd/mm/yyyy") & "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        If rs!Status = "belum" Then
            rsPesan.Open "select * from pesan where uname = '" &
Admin.UnameVar & "' and idmov = '" & rs!idmov & "'", cn,
adOpenDynamic
            If rsPesan.RecordCount > 0 Then
                Mov7Lst.AddItem "You already have permission to
watch this movie"
                Mov7Lst.AddItem rs!judul
                Mov7Lst.AddItem rs!Description
                Mov7Btn.Enabled = False
            Else
                Mov7Lst.AddItem rs!judul
                Mov7Lst.AddItem rs!Description
                Mov7Btn.Enabled = True
            End If
            rsPesan.Close
        ElseIf rs!Status = "sudah" Then
            Mov7Lst.AddItem "Sorry, the movie is done"
            Mov7Lst.AddItem rs!judul
            Mov7Lst.AddItem rs!Description
            Mov7Btn.Enabled = False
        End If
    Else
        Mov7Lst.AddItem "Movie Not Available"
    End If
End If

```


Lampiran 4: Listing Program Online Cinema Client Form MovSelect (Lanjutan)

```

        Mov7Btn.Enabled = False
    End If
    rs.Close
    rs.Open "select * from movie where playtime = '22:00:00' and
playdate = '" & Format$(GetServerDate("date") + page),
"dd/mm/yyyy") & "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        If rs!Status = "belum" Then
            rsPesan.Open "select * from pesan where uname = '" &
Admin.UnameVar & "'" and idmov = '" & rs!idmov & "'", cn,
adOpenDynamic
            If rsPesan.RecordCount > 0 Then
                Mov8Lst.AddItem "You already have permission to
watch this movie"
                Mov8Lst.AddItem rs!judul
                Mov8Lst.AddItem rs!Description
                Mov8Btn.Enabled = False
            Else
                Mov8Lst.AddItem rs!judul
                Mov8Lst.AddItem rs!Description
                Mov8Btn.Enabled = True
            End If
            rsPesan.Close
        ElseIf rs!Status = "sudah" Then
            Mov8Lst.AddItem "Sorry, the movie is done"
            Mov8Lst.AddItem rs!judul
            Mov8Lst.AddItem rs!Description
            Mov8Btn.Enabled = False
        End If
    Else
        Mov8Lst.AddItem "Movie Not Available"
        Mov8Btn.Enabled = False
    End If
    rs.Close

End Sub

Private Sub Form_Load()
    Set rs = New ADODB.Recordset
    Set rsPesan = New ADODB.Recordset
    Set rsOk = New ADODB.Recordset
    Set rsCust = New ADODB.Recordset
    Set cm = New ADODB.Command
    Set cn = New ADODB.Connection

    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=telematics.petra.ac.id"
    cn.CursorLocation = adUseClient

    ' Create the Command
    With cm
        .ActiveConnection = cn
        .CommandType = adCmdText
    End With

```

Lampiran 4: Listing Program Online Cinema Client Form MovSelect (Lanjutan)

```

        .CommandText = "SELECT * FROM Customer WHERE uname = ?"
        Set prm = .CreateParameter("uname", adVarChar, adParamInput,
10, "")
        ' Refresh the parameters collection and populate it
        .Parameters.Append prm
        .Prepared = True
        End With

        Set rsCust.Source = cm
        rsCust.Open , , adOpenKeyset, adLockBatchOptimistic

        page = 0
        tampil
    End Sub

    Private Sub Form_Unload(Cancel As Integer)
        rsCust.Close
    End Sub

    Private Sub Mov1Btn_Click()
        waktu = "1:00:00"
        masuk
    End Sub

    Private Sub Mov2Btn_Click()
        waktu = "4:00:00"
        masuk
    End Sub

    Private Sub Mov3Btn_Click()
        waktu = "7:00:00"
        masuk
    End Sub

    Private Sub Mov4Btn_Click()
        waktu = "10:00:00"
        masuk
    End Sub

    Private Sub Mov5Btn_Click()
        waktu = "13:00:00"
        masuk
    End Sub

    Private Sub Mov6Btn_Click()
        waktu = "16:00:00"
        masuk
    End Sub

    Private Sub Mov7Btn_Click()
        waktu = "19:00:00"
        masuk
    End Sub

    Private Sub Mov8Btn_Click()

```

Lampiran 4: Listing Program Online Cinema Client Form MovSelect (Lanjutan)

```

        waktu = "22:00:00"
        masuk
    End Sub

    Private Sub NextBtn_Click()
        page = page + 1
        If page > 0 Then
            PrevBtn.Enabled = True
        End If
        tampil
    End Sub

    Private Sub PrevBtn_Click()
        page = page - 1
        If page > 0 Then
            PrevBtn.Enabled = True
        Else
            PrevBtn.Enabled = False
        End If
        tampil
    End Sub

    Private Sub Timer1_Timer()
        prm.Value = Admin.UnameVar
        rsCust.Requery

        DepositLbl.Caption = rsCust!deposit
        tampil
    End Sub

```

Lampiran 5: Listing Program Online Cinema Client Form PassChange

```

Dim rs      As ADODB.Recordset
Dim cm      As ADODB.Command
Dim prm     As ADODB.Parameter
Dim cn      As ADODB.Connection

Public UnameVar As String

Private Sub CancelBtn_Click()
    Unload Me
End Sub

Private Sub ChangeBtn_Click()
    prm.Value = UnameVar
    rs.Requery

    If OldPassxt.Text = rs!pass Then
        OldPassxt.Enabled = False
        Label2.Visible = True
        Label3.Visible = True
        NewPassTxt.Visible = True
        ConfNewPassTxt.Visible = True
        ChangeBtn.Visible = False
        OkBtn.Visible = True
    End If
End Sub

Private Sub Form_Load()
    UnameVar = Admin.UnameVar

    Set rs = New ADODB.Recordset
    Set cm = New ADODB.Command
    Set cn = New ADODB.Connection

    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=telematics.petra.ac.id"
    cn.CursorLocation = adUseClient

    With cm
        .ActiveConnection = cn
        .CommandType = adCmdText
        .CommandText = "SELECT * FROM Customer WHERE uname = ?"
        Set prm = .CreateParameter("uname", adVarChar, adParamInput,
10, "")
        .Parameters.Append prm
        .Prepared = True
    End With
    Set rs.Source = cm
    rs.Open , , adOpenKeyset, adLockBatchOptimistic

End Sub

Private Sub OkBtn_Click()
    prm.Value = UnameVar
    rs.Requery

```

Lampiran 5: Listing Program Online Cinema Client Form PassChange (Lanjutan)

```

    If NewPassTxt.Text = ConfNewPassTxt.Text Then
        If NewPassTxt.Text = "" Then
            If MsgBox("Are u sure use blank password?", vbYesNo,
"Bad Password") = vbYes Then
                cn.Execute "update customer set pass = '" &
ConfNewPassTxt & "' where uname = '" & UnameVar & "'"
                MsgBox "Password changed successful for username "
+ UnameVar, vbOKOnly, "Done"
                Unload Me
            End If
        Else
            cn.Execute "update customer set pass = '" &
ConfNewPassTxt & "' where uname = '" & UnameVar & "'"
            MsgBox "Password changed successful for username " +
UnameVar, vbOKOnly, "Done"
            Unload Me
        End If
    Else
        MsgBox "Password tidak sama"
    End If
End Sub

```

Lampiran 6: Listing Program Online Cinema Client Module 1

Option Explicit

```
'-----
'-----
' Used to get the MAC address.
'-----
'-----
```

```
Private Const NCBNAMSZ As Long = 16
Private Const NCBENUM As Long = &H37
Private Const NCBRESET As Long = &H32
Private Const NCBASTAT As Long = &H33
Private Const HEAP_ZERO_MEMORY As Long = &H8
Private Const HEAP_GENERATE_EXCEPTIONS As Long = &H4
```

```
Private Type NET_CONTROL_BLOCK 'NCB
    ncb_command As Byte
    ncb_retcode As Byte
    ncb_lsn As Byte
    ncb_num As Byte
    ncb_buffer As Long
    ncb_length As Integer
    ncb_callname As String * NCBNAMSZ
    ncb_name As String * NCBNAMSZ
    ncb_rto As Byte
    ncb_sto As Byte
    ncb_post As Long
    ncb_lana_num As Byte
    ncb_cmd_cplt As Byte
    ncb_reserve(9) As Byte 'Reserved, must be 0
    ncb_event As Long
End Type
```

```
Private Type ADAPTER_STATUS
    adapter_address(5) As Byte
    rev_major As Byte
    reserved0 As Byte
    adapter_type As Byte
    rev_minor As Byte
    duration As Integer
    frmr_rcv As Integer
    frmr_xmit As Integer
    iframe_rcv_err As Integer
    xmit_aborts As Integer
    xmit_success As Long
    rcv_success As Long
    iframe_xmit_err As Integer
    rcv_buff_unavail As Integer
    t1_timeouts As Integer
    ti_timeouts As Integer
    Reserved1 As Long
    free_ncbs As Integer
    max_cfg_ncbs As Integer
    max_ncbs As Integer
    xmit_buf_unavail As Integer
```

Lampiran 6: Listing Program Online Cinema Client Module 1 (Lanjutan)

```

        max_dgram_size      As Integer
        pending_sess        As Integer
        max_cfg_sess        As Integer
        max_sess            As Integer
        max_sess_pkt_size   As Integer
        name_count          As Integer
    End Type

    Private Type NAME_BUFFER
        name_(0 To NCBNAMSZ - 1) As Byte
        name_num                As Byte
        name_flags              As Byte
    End Type

    Private Type ASTAT
        adapt                  As ADAPTER_STATUS
        NameBuff(0 To 29) As NAME_BUFFER
    End Type

    Private Declare Function Netbios Lib "netapi32" _
        (pncb As NET_CONTROL_BLOCK) As Byte

    Private Declare Sub CopyMemory Lib "kernel32" _
        Alias "RtlMoveMemory" (hvpDest As Any, ByVal _
        hvpSource As Long, ByVal cbCopy As Long)

    Private Declare Function GetProcessHeap Lib "kernel32" () As Long

    Private Declare Function HeapAlloc Lib "kernel32" _
        (ByVal hHeap As Long, ByVal dwFlags As Long, _
        ByVal dwBytes As Long) As Long

    Private Declare Function HeapFree Lib "kernel32" _
        (ByVal hHeap As Long, ByVal dwFlags As Long, _
        lpMem As Any) As Long

    '
    '-----
    '-----
    'My Function
    '-----
    '

    Public Function fGetMacAddress() As String
        Dim l As Long
        Dim lngError As Long
        Dim lngSize As Long
        Dim pAdapt As Long
        Dim pAddrStr As Long
        Dim pASTAT As Long
        Dim strTemp As String
        Dim strAddress As String

```

Lampiran 6: Listing Program Online Cinema Client Module 1 (Lanjutan)

```

Dim strMACAddress As String
Dim AST As ASTAT
Dim NCB As NET_CONTROL_BLOCK

'
' -----
' Get the network interface card's MAC address.
' -----
'
On Error GoTo ErrorHandler
fGetMacAddress = ""
strMACAddress = ""

'
' Try to get MAC address from NetBios. Requires NetBios
installed.
'
' Supported on 95, 98, ME, NT, 2K, XP
'
' Results Connected Disconnected
' -----
'   XP      OK      Fail (Fail after reboot)
'   NT      OK      OK   (OK after reboot)
'   98      OK      OK   (OK after reboot)
'   95      OK      OK   (OK after reboot)
'
NCB.ncb_command = NCBRESET
Call Netbios(NCB)

NCB.ncb_callname = "*"
NCB.ncb_command = NCBASTAT
NCB.ncb_lana_num = 0
NCB.ncb_length = Len(AST)

pASTAT = HeapAlloc(GetProcessHeap(), HEAP_GENERATE_EXCEPTIONS
Or _
                        HEAP_ZERO_MEMORY, NCB.ncb_length)
If pASTAT = 0 Then GoTo ErrorHandler

NCB.ncb_buffer = pASTAT
Call Netbios(NCB)

Call CopyMemory(AST, NCB.ncb_buffer, Len(AST))

strMACAddress = Right$("00" &
Hex(AST.adapt.adapter_address(0)), 2) & _
Right$("00" &
Hex(AST.adapt.adapter_address(1)), 2) & _
Right$("00" &
Hex(AST.adapt.adapter_address(2)), 2) & _
Right$("00" &
Hex(AST.adapt.adapter_address(3)), 2) & _

```


Lampiran 6: Listing Program Online Cinema Client Module 1 (Lanjutan)

```

        Right$("00" &
Hex(AST.adapt.adapter_address(4)), 2) & _
        Right$("00" &
Hex(AST.adapt.adapter_address(5)), 2)

    Call HeapFree(GetProcessHeap(), 0, pASTAT)

    fGetMacAddress = strMACAddress
    GoTo NormalExit

ErrorHandler:
    Call MsgBox(Err.Description, vbCritical, "Error")

NormalExit:
    End Function

Public Function GetServerDate(part As String) As Date
    Dim rsTglServer As New ADODB.Recordset
    Dim cn As New ADODB.Connection
    Set cn = New ADODB.Connection
    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=202.43.254.96"
    cn.CursorLocation = adUseClient
    Set rsTglServer = cn.Execute("spGetServerDate")
    If part = "all" Then
        GetServerDate = rsTglServer(0).Value
    ElseIf part = "date" Then
        GetServerDate = DateValue(rsTglServer(0).Value)
    ElseIf part = "time" Then
        GetServerDate = TimeValue(rsTglServer(0).Value)
    End If
End Function

'
'-----
'-----
'End of My Function
'-----
'

```

Lampiran 7: Listing Program Online Cinema Server Form Server

```

Dim rs      As ADODB.Recordset
Dim rsList  As ADODB.Recordset
Dim rsCheck As ADODB.Recordset
Dim rsServ  As ADODB.Recordset
Dim cm      As ADODB.Command
Dim prm     As ADODB.Parameter
Dim cn      As ADODB.Connection
Dim n       As Integer
Dim idmov   As Integer

Private Sub AddBtn_Click()
    AddMov.Show
End Sub

Public Sub Daftar()
    Set rsList = New ADODB.Recordset

    List1.Clear

    n = 0
    rsList.Open "select * from movie where playtime is null and
playdate is null", cn, adOpenDynamic
    If rsList.RecordCount > 0 Then
        Do While Not rsList.EOF
            List1.AddItem rsList!judul
            n = n + 1
            rsList.MoveNext
        Loop
    End If
    Adodc1.Refresh
End Sub

Private Sub CustomerBtn_Click()
    Customer.Show
End Sub

Private Sub Form_Load()
    Set rs = New ADODB.Recordset
    Set rsCheck = New ADODB.Recordset
    Set rsServ = New ADODB.Recordset
    Set cm = New ADODB.Command
    Set cn = New ADODB.Connection

    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=telematics.petra.ac.id"
    cn.CursorLocation = adUseClient

    Daftar

    cn.Execute "update server set status = 'none' where id = '1'"
End Sub

Private Sub Form_Unload(Cancel As Integer)
    cn.Execute "update server set status = 'none' where id = '1'"

```

Lampiran 7: Listing Program Online Cinema Server Form Server (Lanjutan)

```

        Unload AddMov
        Unload Customer
    End Sub

Private Sub LogOffBtn_Click()
    On Error GoTo wek
    If MsgBox("Are u sure to logoff windows?", vbInformation +
vbOKCancel, "Confirmation") = vbOK Then
        PrgWindows ("LogOff")
    End If
    Exit Sub
wek:
    MsgBox Err.Description
End Sub

Private Sub RestartBtn_Click()
    On Error GoTo wek
    If MsgBox("Are u sure to restart windows?", vbInformation +
vbOKCancel, "Confirmation") = vbOK Then
        PrgWindows ("Restart")
    End If
    Exit Sub
wek:
    MsgBox Err.Description
End Sub

Private Sub ShutDownBtn_Click()
    On Error GoTo wek
    If MsgBox("Are u sure to shutdown windows?", vbInformation +
vbOKCancel, "Confirmation") = vbOK Then
        PrgWindows ("ShutDown")
    End If
    Exit Sub
wek:
    MsgBox Err.Description
End Sub

Private Sub play_now()

    Me.VideoBroadcast.BroadCastPortNo = 8899
    Me.VideoBroadcast.WMVFileName = rs!addrmov

    Me.VideoBroadcast.MaxClients = "50"
    bResult = Me.VideoBroadcast.Start

    If bResult = False Then
        MsgBox "Start failure"
    Else
        StartBtn.Enabled = False
    End If
End Sub

Private Sub StartBtn_Click()

```

Lampiran 7: Listing Program Online Cinema Server Form Server (Lanjutan)

```

    For i = 1 To List.ListCount
        List.RemoveItem 0
    Next

    rs.Open "select * from movie where judul='" & List1.Text &
    "'", cn, adOpenDynamic
    If rs.RecordCount > 0 Then
        cn.Execute "update server set status = 'public' where id =
        '1'"
        play_now
    End If
    rs.Close
End Sub

Private Sub Timer1_Timer()
    If List1.Text = "" And lblstatus.Caption = "none" Then
        StartBtn.Enabled = False
    Else
        StartBtn.Enabled = True
    End If

    rsServ.Open "select * from server where id = '1'", cn,
    adOpenDynamic
    If rsServ.RecordCount > 0 Then
        If rsServ!Status = "none" Then
            rs.Open "select * from movie where playdate='" &
            GetServerDate("date") & "' and playtime='" &
            GetServerDate("time") & "'", cn, adOpenDynamic
            If rs.RecordCount > 0 Then
                cn.Execute "update server set status = '" &
                rs!idmov & "' where id = '1'"
                idmov = rs!idmov
                play_now
            End If
            rs.Close
        End If
    End If
    rsServ.Close

    DateLbl.Caption = GetServerDate("date")
    TimeLbl.Caption = GetServerDate("time")
End Sub

Private Sub VideoBroadcast_ClientConnected(ByVal iNumClient As
Integer)

    Text1 = iNumClient
    iCount = iNumClient

    ProgressBar1.Value = ProgressBar1.Value + 10

    If ProgressBar1.Value >= 100 Then
        ProgressBar1.Value = 0
    End If

```

Lampiran 7: Listing Program Online Cinema Server Form Server (Lanjutan)

```

        List.Clear
        For i = 0 To iCount - 1
            List.AddItem VideoBroadcast.GetClientIP(i)
        Next

End Sub

Private Sub VideoBroadcast_EOF()
    lblstatus.Caption = "none"
    ProgressBar1.Value = 0

    StartBtn.Enabled = True

    For i = 1 To List.ListCount
        List.RemoveItem 0
    Next
    cn.Execute "update server set status = 'none' where id = '1'"
    cn.Execute "update movie set status = 'sudah' where idmov = '"
    & idmov & "'"
End Sub

Private Sub VideoBroadcast_Opened()
    lblstatus.Caption = "Opened"
End Sub

Private Sub VideoBroadcast_OpenError()
    lblstatus.Caption = "Open Error"
    StartBtn.Enabled = True
End Sub

Private Sub VideoBroadcast_Started()
    lblstatus.Caption = "Started"
End Sub

```

Lampiran 8: Listing Program Online Cinema Server Form AddMovie

```

Dim rs          As ADODB.Recordset
Dim cm          As ADODB.Command
Dim rsDate      As ADODB.Recordset
Dim cmDate      As ADODB.Command
Dim prm         As ADODB.Parameter
Dim prm1        As ADODB.Parameter
Dim cn          As ADODB.Connection

Private Sub BrowseBtn_Click()
    CommonDialog1.Filter = "All Supported
Files(*.wmv;*.wma;*.asf)|*.wmv;*.wma;*.asf|Window Media
Video(*.wmv;*.asf)|*.wmv;*.asf|Window Media Audio(*.wma)|*.wma|| "
    CommonDialog1.ShowOpen
    MovAddrTxt.Text = CommonDialog1.FileName
End Sub

Private Sub Calendar1_Click()
    If TypeCmb.Text = "Movie" Then
        Calendar1.Visible = True
        HourCmb.Visible = True
        Label5.Visible = True
        Label6.Visible = True
        If HourCmb.Text <> "Select play time" Then
            rs.Open "select * from movie where playdate = '" &
Format$(Calendar1.Value, "dd/mm/yyyy") & "' and playtime ='" &
HourCmb.Text & "'", cn, adOpenDynamic
            If rs.RecordCount > 0 Then
                MovTitleTxt.Enabled = False
                MovAddrTxt.Enabled = False
                DescTxt.Enabled = False
                BrowseBtn.Enabled = False
                TypeCmb.Enabled = False
                MovTitleTxt.Text = rs!judul
                MovAddrTxt.Text = rs!addrmov
                DescTxt.Text = rs!Description
            Else
                MovTitleTxt.Text = ""
                MovAddrTxt.Text = ""
                DescTxt.Text = ""
                MovTitleTxt.Enabled = True
                MovAddrTxt.Enabled = True
                DescTxt.Enabled = True
                BrowseBtn.Enabled = True
                TypeCmb.Enabled = True
            End If
            rs.Close
        Else
            MovTitleTxt.Enabled = False
            MovAddrTxt.Enabled = False
            DescTxt.Enabled = False
            BrowseBtn.Enabled = False
        End If
    ElseIf TypeCmb.Text = "Public" Then
        MovTitleTxt.Text = ""
        MovAddrTxt.Text = ""
    End If

```

Lampiran 8: Listing Program Online Cinema Server Form AddMovie (Lanjutan)

```

        DescTxt.Text = ""
        MovTitleTxt.Enabled = True
        MovAddrTxt.Enabled = True
        DescTxt.Enabled = True
        BrowseBtn.Enabled = True
        Calendar1.Visible = False
        HourCmb.Visible = False
        Label5.Visible = False
        Label6.Visible = False
    End If
End Sub

Private Sub Form_Load()
    Set rs = New ADODB.Recordset
    Set cm = New ADODB.Command
    Set rsDate = New ADODB.Recordset
    Set cmDate = New ADODB.Command
    Set cn = New ADODB.Connection

    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=telematics.petra.ac.id"
    cn.CursorLocation = adUseClient

    Calendar1.Value = Format$(GetServerDate("date"), "dd/mm/yyyy")
    Calendar1_Click
End Sub

Private Sub HourCmb_Click()
    Calendar1_Click
End Sub

Private Sub OkBtn_Click()
    If TypeCmb.Text = "Movie" Then
        If MovTitleTxt.Text <> "" Then
            If MovAddrTxt.Text <> "" Then
                rs.Open "insert into movie (judul, addrmov,
description, playdate, playtime, status, buyer) values ('" &
MovTitleTxt.Text & "', '" & CommonDialog1.FileName & "', '" &
DescTxt.Text & "', '" & Format$(Calendar1.Value, "dd/mm/yyyy") &
"', '" & HourCmb.Text & "', 'belum', 0)", cn, adOpenDynamic
                MsgBox "Movie Added Successfully", vbOKOnly,
"Done"
                Unload Me
            Else
                MsgBox "Please select file", vbOKOnly, "Warning"
            End If
        Else
            MsgBox "Please input title for the movie.", vbOKOnly,
"Warning"
        End If
    ElseIf TypeCmb.Text = "Public" Then
        If MovTitleTxt.Text <> "" Then
            If MovAddrTxt.Text <> "" Then

```

Lampiran 8: Listing Program Online Cinema Server Form AddMovie (Lanjutan)

```

        rs.Open "insert into movie (judul, addrmov,
description, status, buyer) values ('" & MovTitleTxt.Text & "'", '"
& CommonDialog1.FileName & "'", '" & DescTxt.Text & "'", 'belum',
0)", cn, adOpenDynamic
        MsgBox "Movie Added Successfully", vbOKOnly,
"Done"
        Unload Me
    Else
        MsgBox "Please select file", vbOKOnly, "Warning"
    End If
Else
    MsgBox "Please input title for the movie.", vbOKOnly,
"Warning"
End If
End If
Server.Daftar
End Sub

Private Sub Timer1_Timer()
    If MovTitleTxt.Enabled = True And MovTitleTxt.Text <> "" And
MovAddrTxt.Text <> "" Then
        OkBtn.Enabled = True
    Else
        OkBtn.Enabled = False
    End If
End Sub

Private Sub TypeCmb_Click()
    Calendar1_Click
End Sub

```


Lampiran 9: Listing Program Online Cinema Server Form Customer

```

Dim rsCust      As ADODB.Recordset
Dim cn          As ADODB.Connection

Private Sub Form_Load()
    Set rsCust = New ADODB.Recordset
    Set cn = New ADODB.Connection

    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=telematics.petra.ac.id"
    cn.CursorLocation = adUseClient

    UnameCmb.Clear

    n = 0
    rsCust.Open "select * from customer", cn, adOpenDynamic
    If rsCust.RecordCount > 0 Then
        Do While Not rsCust.EOF
            UnameCmb.AddItem rsCust!uname
            n = n + 1
            rsCust.MoveNext
        Loop
    End If
    rsCust.Close
End Sub

Private Sub UnameCmb_Click()
    rsCust.Open "select * from customer where uname = '" &
UnameCmb.Text & "'", cn, adOpenDynamic

    NameLbl.Caption = rsCust!Name
    AddressLbl.Caption = rsCust!address
    PhoneLbl.Caption = rsCust!phone
    EmailLbl.Caption = rsCust!email
    AccNumLbl.Caption = rsCust!accnum
    DepositLbl.Caption = rsCust!deposit

    rsCust.Close
End Sub

Private Sub UpdateBtn_Click()
    cn.Execute "update customer set deposit = '" &
(DepositAddTxt.Text) & "' where uname = '" & UnameCmb.Text & "'"
End Sub

```

Lampiran 10: Listing Program Online Cinema Server Module 1

Option Explicit

```
Private Const mlngWindows95 = 0
Private Const mlngWindowsNT = 1
Private glngWhichWindows32 As Long
Private Declare Function GetVersion Lib "kernel32" () As Long
```

```
Private Type LUID
    UsedPart As Long
    IgnoredForNowHigh32BitPart As Long
End Type
```

```
Private Type LUID_AND_ATTRIBUTES
    TheLuid As LUID
    Attributes As Long
End Type
```

```
Private Type TOKEN_PRIVILEGES
    PrivilegeCount As Long
    TheLuid As LUID
    Attributes As Long
End Type
```

```
Private Declare Function GetLastError Lib "kernel32" () As Long
Private Declare Function GetCurrentProcess Lib "kernel32" () As Long
Private Declare Function OpenProcessToken Lib "advapi32" (ByVal ProcessHandle As Long, ByVal DesiredAccess As Long, TokenHandle As Long) As Long
Private Declare Function LookupPrivilegeValue Lib "advapi32" Alias "LookupPrivilegeValueA" (ByVal lpSystemName As String, ByVal lpName As String, lpLuid As LUID) As Long
Private Declare Function AdjustTokenPrivileges Lib "advapi32" (ByVal TokenHandle As Long, ByVal DisableAllPrivileges As Long, NewState As TOKEN_PRIVILEGES, ByVal BufferLength As Long, PreviousState As TOKEN_PRIVILEGES, ReturnLength As Long) As Long
Private Declare Sub SetLastError Lib "kernel32" (ByVal dwErrCode As Long)
```

```
Public Const EWX_LogOff As Long = 0
Public Const EWX_SHUTDOWN As Long = 1
Public Const EWX_REBOOT As Long = 2
Public Const EWX_FORCE As Long = 4
Public Const EWX_POWEROFF As Long = 8
```

```
Public Const SWP_HIDEWINDOW = &H80
Public Const SWP_SHOWWINDOW = &H40
Public Const SWP_NOMOVE = 2
Public Const SWP_NOSIZE = 1
Public Const FLAGS = SWP_NOMOVE Or SWP_NOSIZE
Public Const HWND_TOPMOST = -1
Public Const HWND_NOTOPMOST = -2
```

Lampiran 10: Listing Program Online Cinema Server Module 1 (Lanjutan)

```

Declare Function SetWindowPos Lib "user32" (ByVal hwnd As Long,
ByVal hwndInsertAfter As Long, ByVal x As Long, ByVal y As Long,
ByVal cx As Long, ByVal cy As Long, ByVal wFlags As Long) As Long

'Declare Function SystemParametersInfo Lib "user32" Alias
"SystemParametersInfoA" (ByVal uAction As Long, ByVal uParam As
Long, ByVal lpvParam As Any, ByVal fuWinIni As Long) As Long
'Declare Function FindWindow Lib "user32" Alias "FindWindowA"
(ByVal lpClassName As String, ByVal lpWindowName As String) As
Long

Public Declare Function MoveWindow Lib "user32.dll" (ByVal hwnd As
Long, ByVal x As Long, ByVal y As Long, ByVal nWidth As Long,
ByVal nHeight As Long, ByVal bRepaint As Long) As Long
Public Declare Function GetComputerName Lib "kernel32" Alias
"GetComputerNameA" (ByVal lpBuffer As String, nSize As Long) As
Long
Public Declare Function ExitWindowsEx Lib "user32" (ByVal
dwOptions As Long, ByVal dwReserved As Long) As Long
Public Declare Function GetUserName Lib "advapi32.dll" Alias
"GetUserNameA" (ByVal lpBuffer As String, nSize As Long) As Long

Public nrp As String
Public connstr As String
Public compname As String
Public complab As String
Public username As String

Public Function SetTopMostWindow(hwnd As Long, Topmost As Boolean)
As Long
    If Topmost = True Then
        SetTopMostWindow = SetWindowPos(hwnd, HWND_TOPMOST, 0, 0,
0, 0, FLAGS) 'Make the window topmost
    Else
        SetTopMostWindow = SetWindowPos(hwnd, HWND_NOTOPMOST, 0,
0, 0, 0, FLAGS)
        SetTopMostWindow = False
    End If
End Function

Public Function NamaKomputer() As String
Dim retval As Long
Dim cname As String

    cname = Space(255)
    retval = GetComputerName(cname, 255)
    NamaKomputer = Left(cname, InStr(cname, vbNullChar) - 1)

End Function

Public Function NamaUser() As String
Dim retval As Long
Dim uname As String

```

Lampiran 10: Listing Program Online Cinema Server Module 1 (Lanjutan)

```

    uname = Space(255)
    retval = GetUserName(uname, 255)
    NamaUser = Left(uname, InStr(uname, vbNullChar) - 1)

End Function

Private Sub AdjustToken()
    Const TOKEN_ADJUST_PRIVILEGES = &H20
    Const TOKEN_QUERY = &H8
    Const SE_PRIVILEGE_ENABLED = &H2
    Dim hdlProcessHandle As Long
    Dim hdlTokenHandle As Long
    Dim tmpLuid As LUID
    Dim tkp As TOKEN_PRIVILEGES
    Dim tkpNewButIgnored As TOKEN_PRIVILEGES
    Dim lBufferNeeded As Long

    SetLastError 0
    hdlProcessHandle = GetCurrentProcess()

    OpenProcessToken hdlProcessHandle, (TOKEN_ADJUST_PRIVILEGES Or
    TOKEN_QUERY), hdlTokenHandle
    LookupPrivilegeValue "", "SeShutdownPrivilege", tmpLuid
    tkp.PrivilegeCount = 1 ' One privilege to set
    tkp.TheLuid = tmpLuid
    tkp.Attributes = SE_PRIVILEGE_ENABLED
    AdjustTokenPrivileges hdlTokenHandle, False, tkp,
    Len(tkpNewButIgnored), tkpNewButIgnored, lBufferNeeded
End Sub

Public Sub PrgWindows(ByVal Action As String)
    Dim lngVersion As Long

    If Action = "LogOff" Then
        ExitWindowsEx (EWX_LogOff Or EWX_FORCE), &HFFFF
    ElseIf Action = "ShutDown" Then
        lngVersion = GetVersion()
        If (lngVersion And &H80000000) = 0 Then AdjustToken
        ExitWindowsEx (EWX_SHUTDOWN Or EWX_FORCE), &HFFFF
    ElseIf Action = "Restart" Then
        lngVersion = GetVersion()
        If (lngVersion And &H80000000) = 0 Then AdjustToken
        ExitWindowsEx (EWX_REBOOT Or EWX_FORCE), &HFFFF
    End If

End Sub

Public Function GetServerDate(part As String) As Date
    Dim rsTglServer As New ADODB.Recordset
    Dim cn As New ADODB.Connection
    Set cn = New ADODB.Connection

```

Lampiran 10: Listing Program Online Cinema Server Module 1 (Lanjutan)

```

    cn.Open "Provider=SQLOLEDB.1;Password=berhasil;Persist
Security Info=True;User ID=sa;Initial Catalog=bioskop;Data
Source=202.43.254.96"
    cn.CursorLocation = adUseClient
    Set rsTglServer = cn.Execute("spGetServerDate")
    If part = "all" Then
        GetServerDate = Format$(rsTglServer(0).Value, "dd/mm/yyyy
HH:mm:ss")
    ElseIf part = "date" Then
        GetServerDate = Format$(DateValue(rsTglServer(0).Value),
"dd/mm/yyyy")
    ElseIf part = "time" Then
        GetServerDate = Format$(TimeValue(rsTglServer(0).Value),
"HH:mm:ss")
    End If
End Function

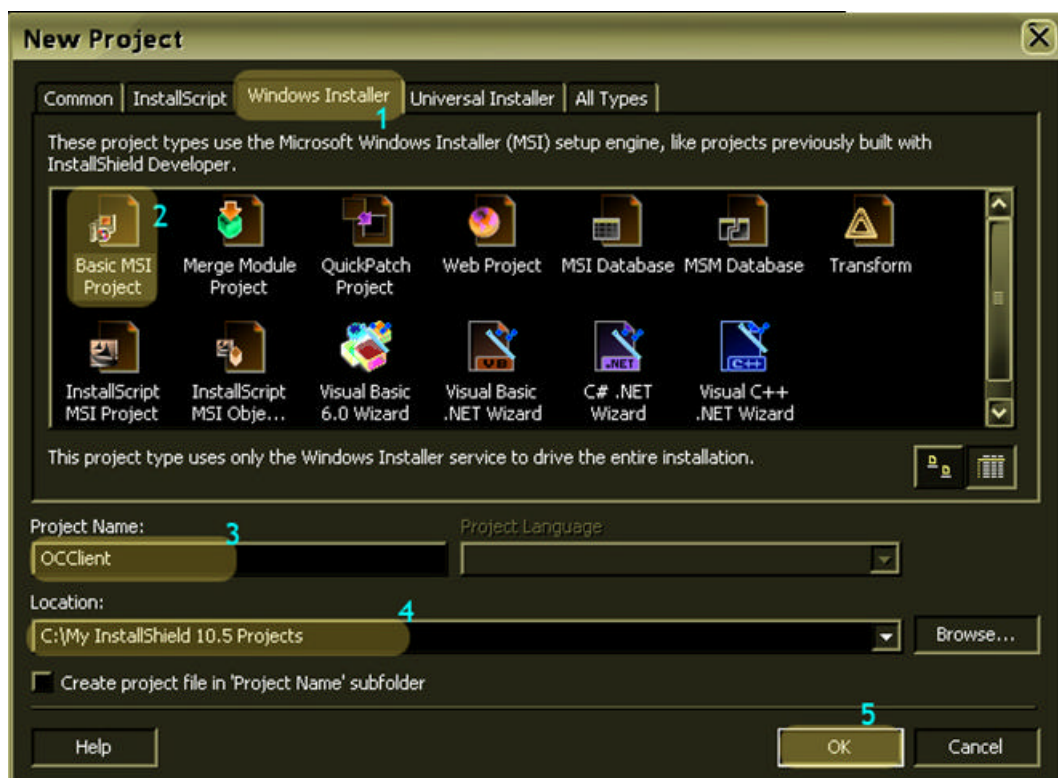
```

Lampiran 11: Proses Pembuatan *Installer Online Cinema Client*

Untuk mempermudah *user* dalam melakukan peng-*install*-an program *Online Cinema Client*, maka dibuat *installer* yang menghasilkan sebuah *file* dengan nama *setup.exe*. *Installer Online Cinema Client* dibuat dengan menggunakan program InstallShield 10.5 Premier Edition. Sebelum membuat *file installer Online Cinema Client* maka harus lebih dulu dibuat *file executable* dari *project Microsoft Visual Basic 6*. Langkah-langkah pembuatan *file executable* dengan menggunakan Microsoft Visual Basic 6 adalah sebagai berikut;

1. Buka file *project* Microsoft Visual Basic 6
2. Klik menu File
3. Pilih Make OCClient.exe
4. Tentukan alamat tujuan *file executable* yang dihasilkan
5. Klik OK

Setelah *file executable* selesai dibuat, kemudian buka program InstallShield. Kemudian pilih *file* lalu *menu*, maka akan tampil seperti gambardi bawah ini:

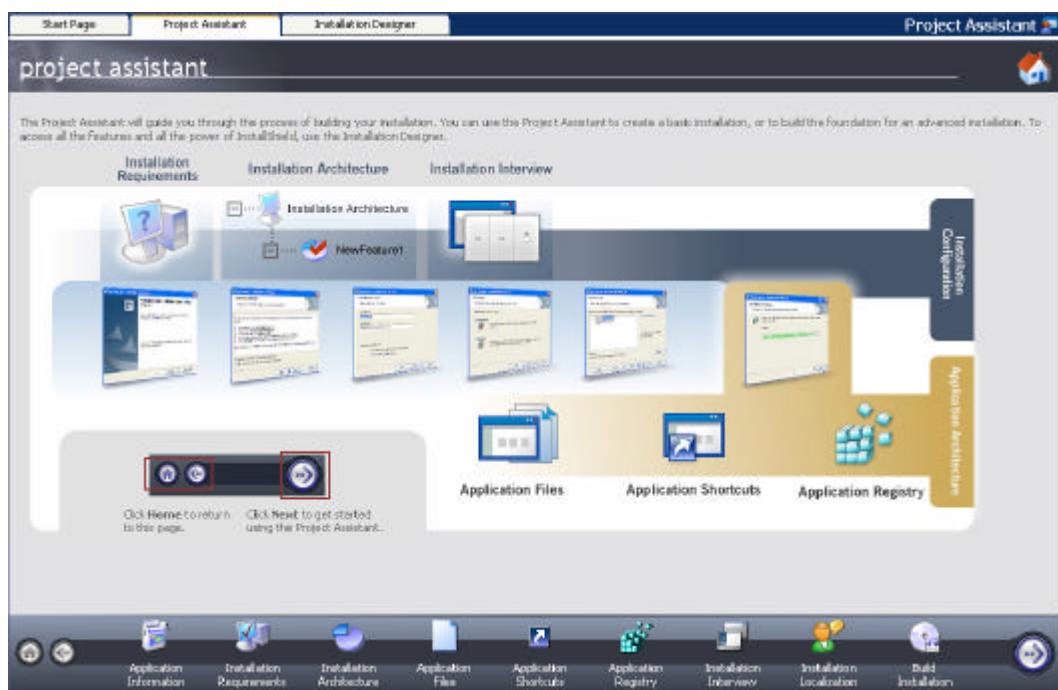


Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)

Setelah tampil jendela *new project*, maka langkah-langkah yang harus dilakukan adalah:

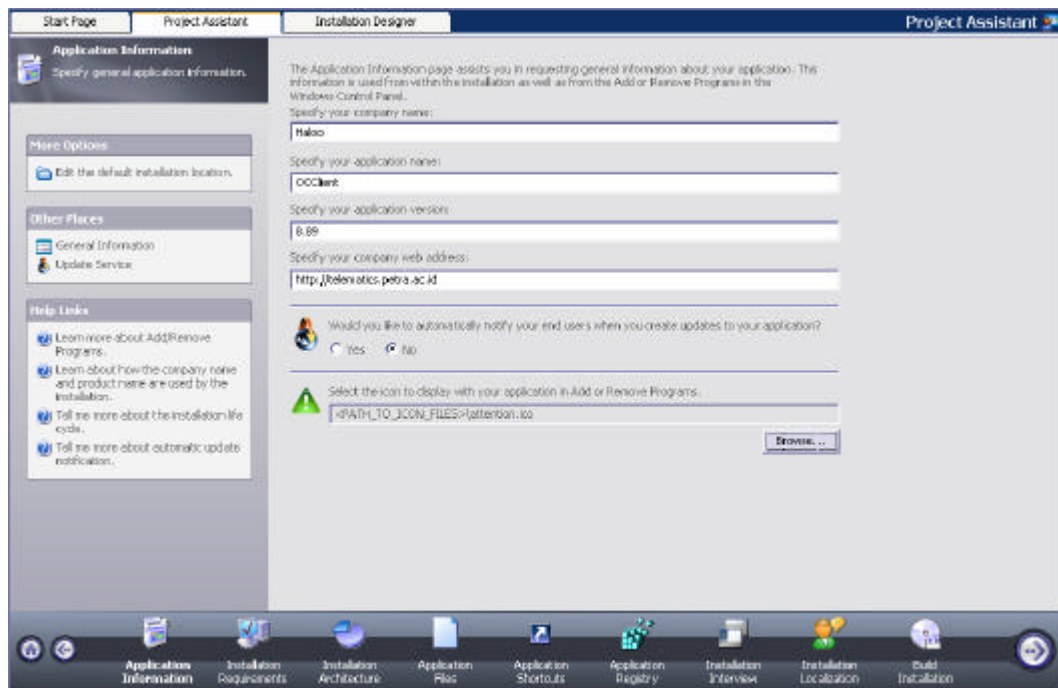
1. Pilih tab menu Windows Installer
2. Pilih Basic MSI Project
3. Isi project name
4. Tentukan lokasi file installer
5. Tekan tombol 

Kemudian akan tampil project assistant seperti gambar di bawah ini:



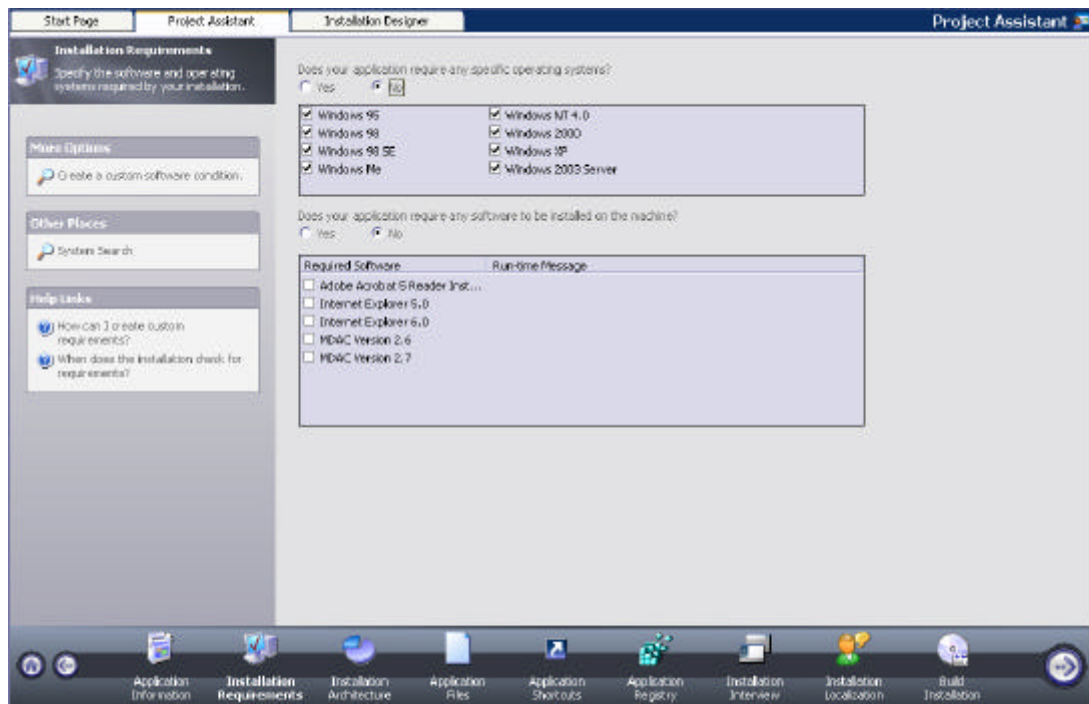
Untuk melanjutkan ke proses selanjutnya, tekan tombol . Selanjutnya akan tampil halaman Application Information. Pada halaman ini,

Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)



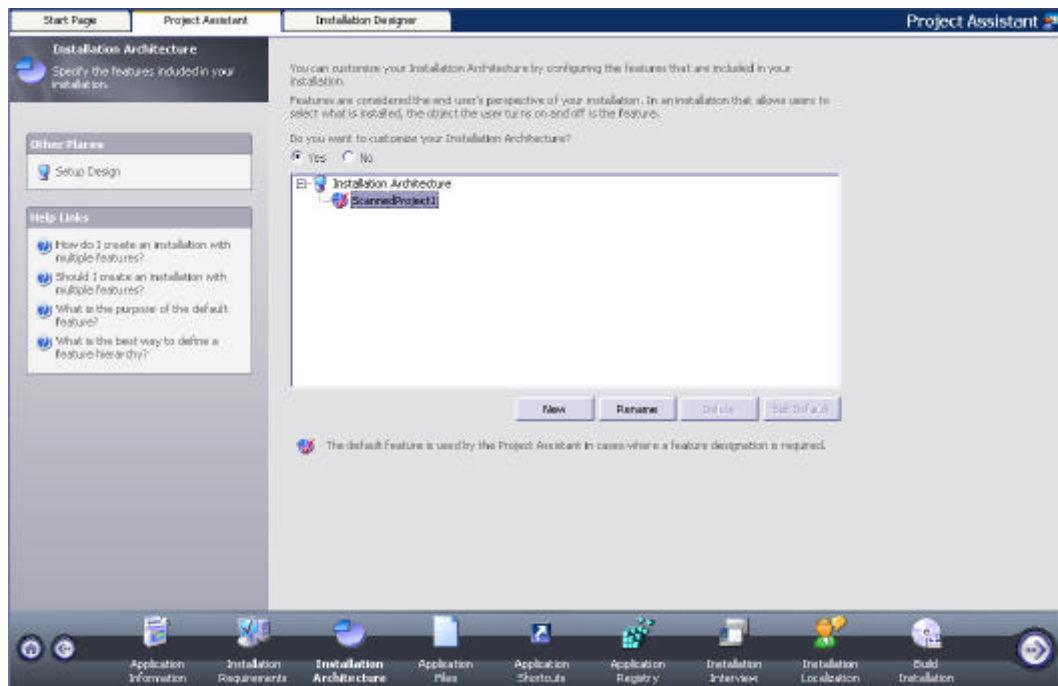
Pada halaman ini, diisi nama dari perusahaan pembuat program, nama aplikasi, *version* dari aplikasi yang dibuat, alamat *website* perusahaan pembuat, pilihan untuk meng-*update* secara otomatis, dan mengganti *icon* pada *add/remove programs*. Untuk melanjutkan ke halaman selanjutnya, dapat ditekan tombol .

Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)

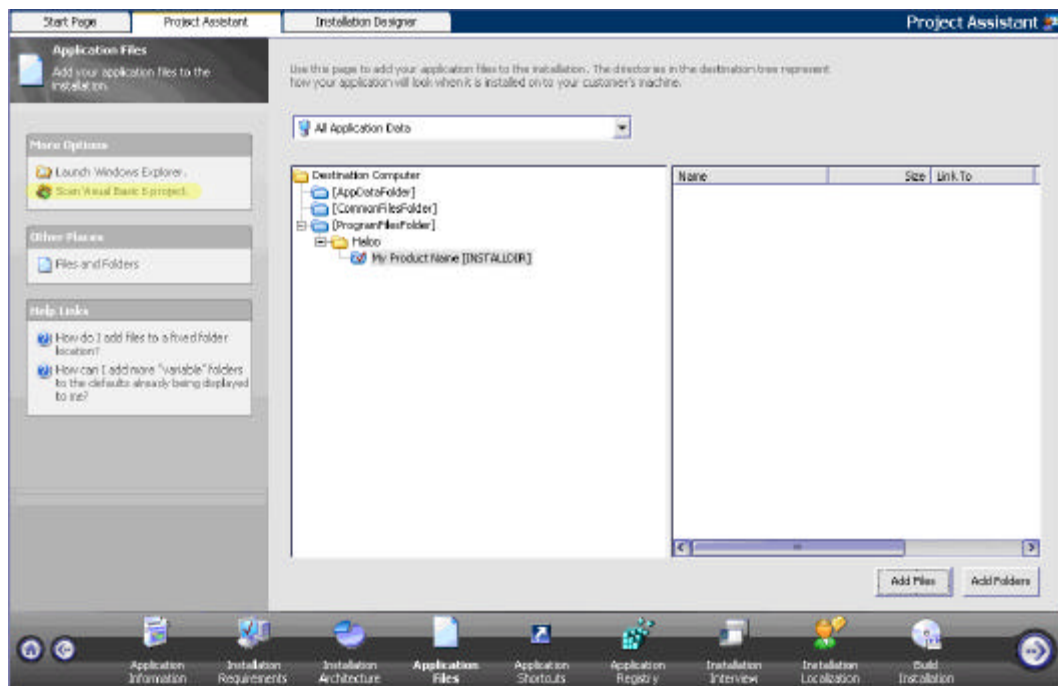


Pada halaman ini terdapat *option* untuk menetapkan *installer* yang dibuat nantinya membutuhkan sistem operasi yang spesifik atau membutuhkan *software* yang harus dipenuhi dulu sebelum meng-*install* program. Jika *installer* nantinya dibuat untuk bisa di-*install* pada semua jenis sistem operasi, dan tidak memerlukan *software* apapun sebelum melakukan proses instalasi program yang dibuat, maka dapat langsung menekan tombol .

Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)



Halaman yang muncul selanjutnya adalah halaman *installation architecture*. Pada halaman ini nantinya akan muncul *project* setelah menambahkan *file* melalui *wizard*.



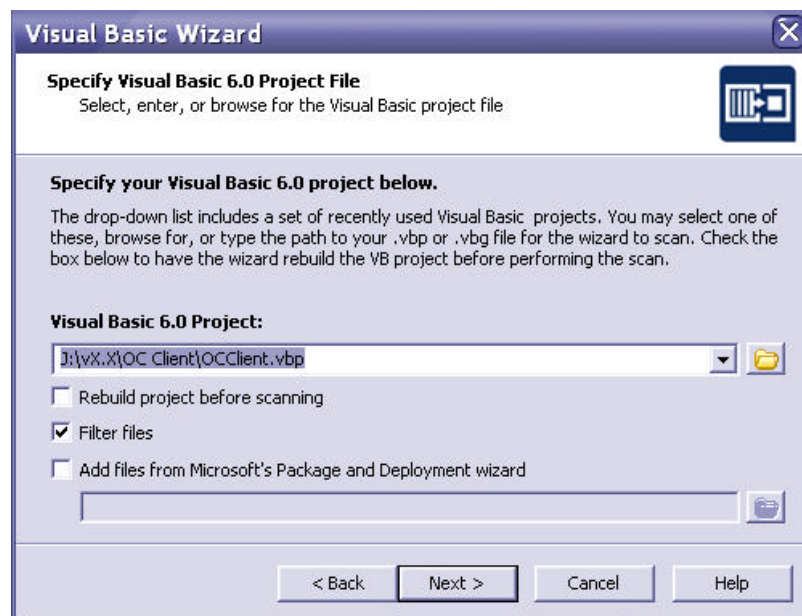
Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)

Halaman selanjutnya yang muncul adalah halaman *application files*. Pada halaman ini terdapat *wizard* untuk menambahkan *visual basic project* ke dalam *installer* yang nanti akan dibuat. Untuk menambahkan *project* dari *Microsoft Visual basic* yang sudah dibuat, dapat memilih *option Scan Visual Basic 6 Project* yang terdapat pada kolom *More Options* yang terletak di pojok kiri atas dari halaman *application files*.

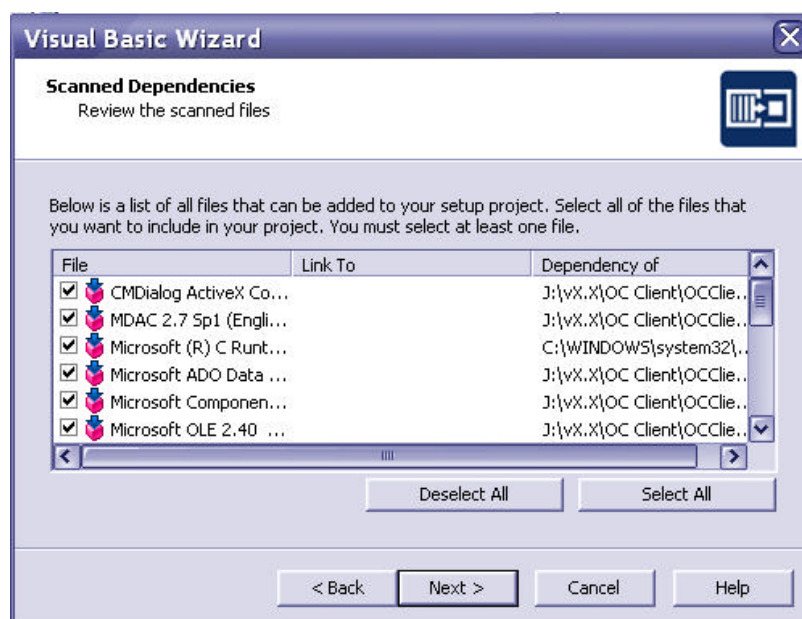


Tekan "Next" untuk melanjutkan ke halaman selanjutnya.

Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)

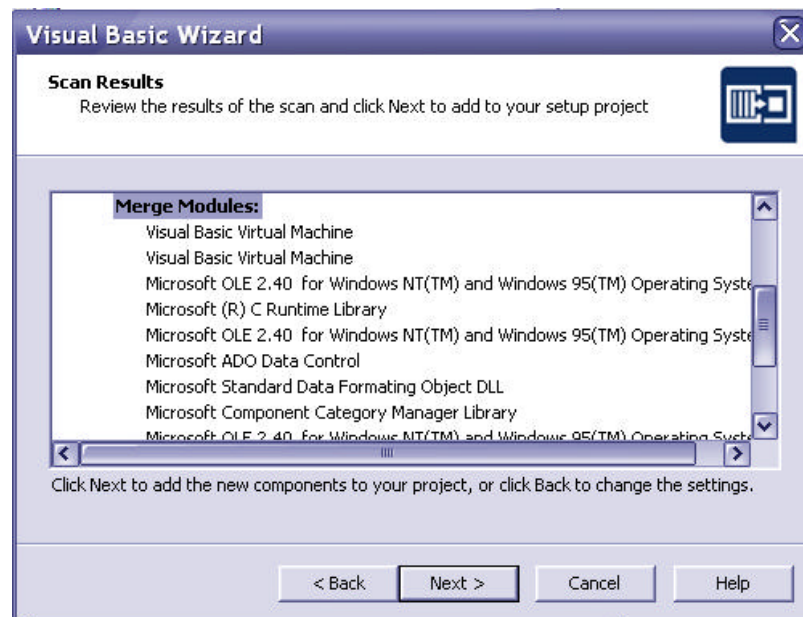


Pada halaman ini, masukkan lokasi dari *file project Microsoft Visual Basic* 6. kemudian tekan tombol “next”.

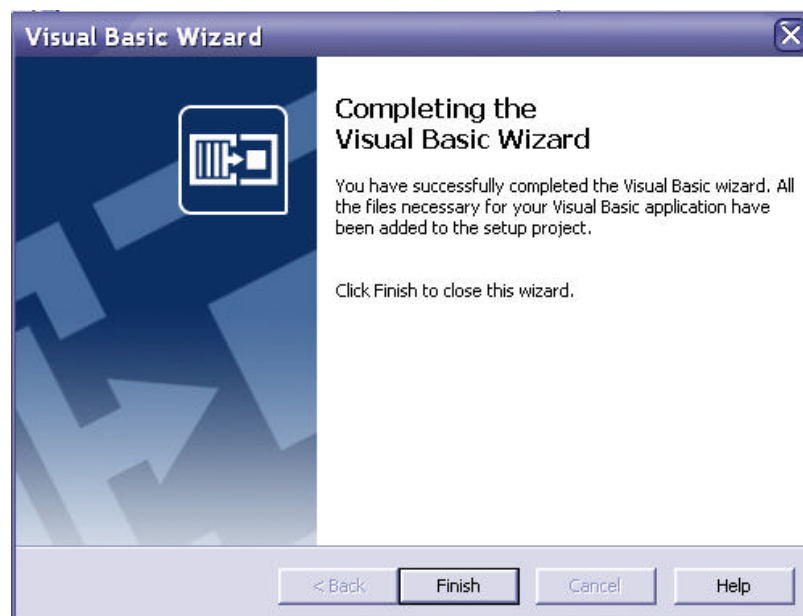


Setelah itu pilih komponen-komponen yang ingin digabungkan dengan *installer* yang nanti akan dibuat. Kemudian tekan tombol “next” untuk melanjutkan.

Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)

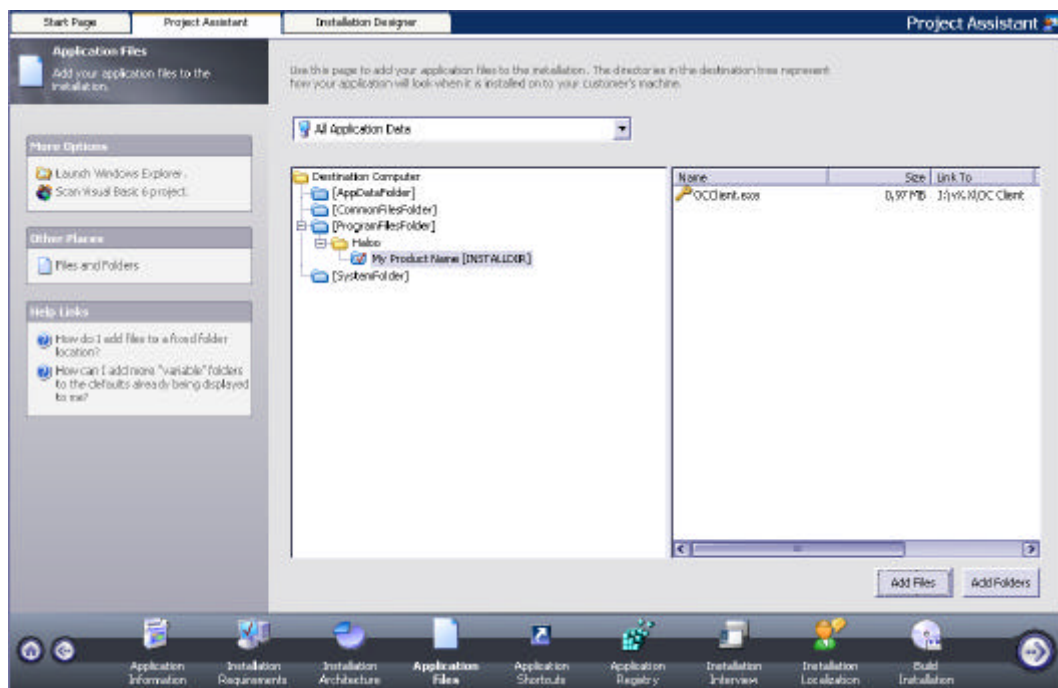


Tekan tombol “next” apabila komponen yang dimasukkan sudah benar. Jika belum, tekan tombol back untuk memilih kembali komponen-komponen yang ingin digabungkan dengan *installer* yang akan dibuat.

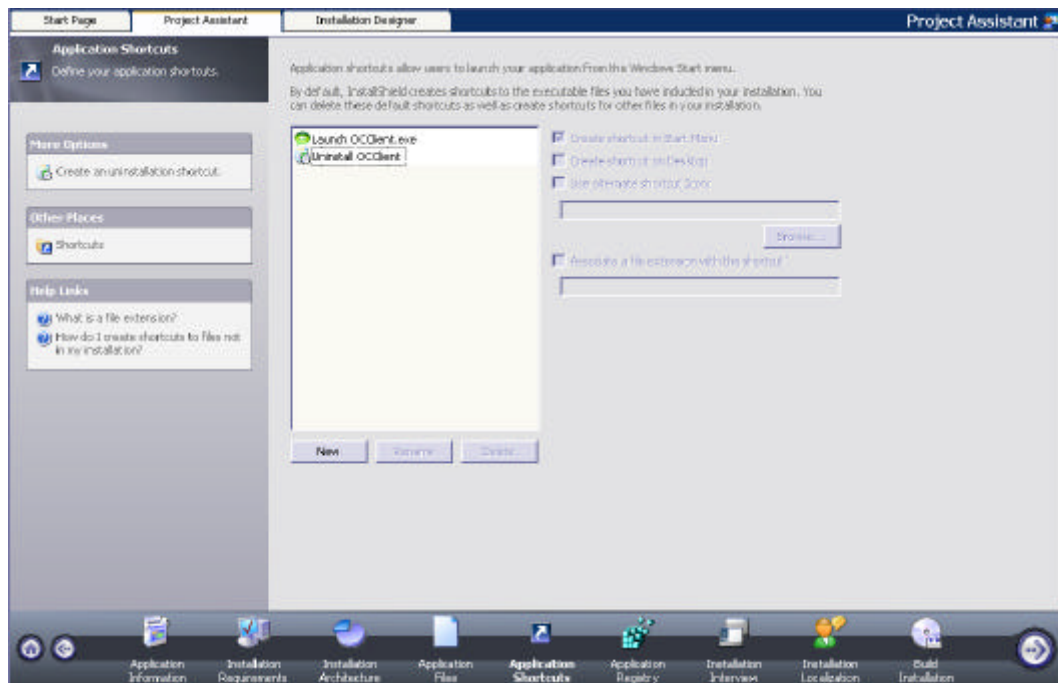


Setelah *project* dari *Microsoft Visual Basic 6* selesai dibuat, maka akan tampil halaman *completing the visual basic wizard*. Kemudian tekan tombol “finish” untuk kembali ke halaman *application files*.

Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)

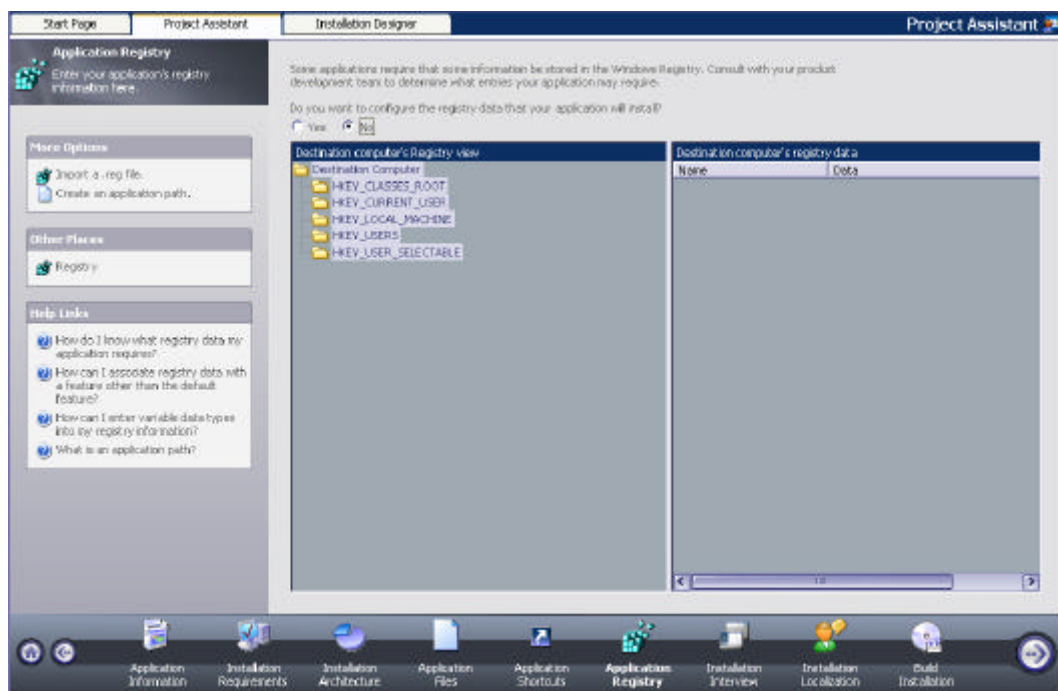


Jika wizard untuk menambahkan *file project Visual Basic 6* telah berhasil dilakukan, maka pada halaman *application files* akan muncul *file executable* dari *project visual basic 6*. Setelah itu tekan tombol .



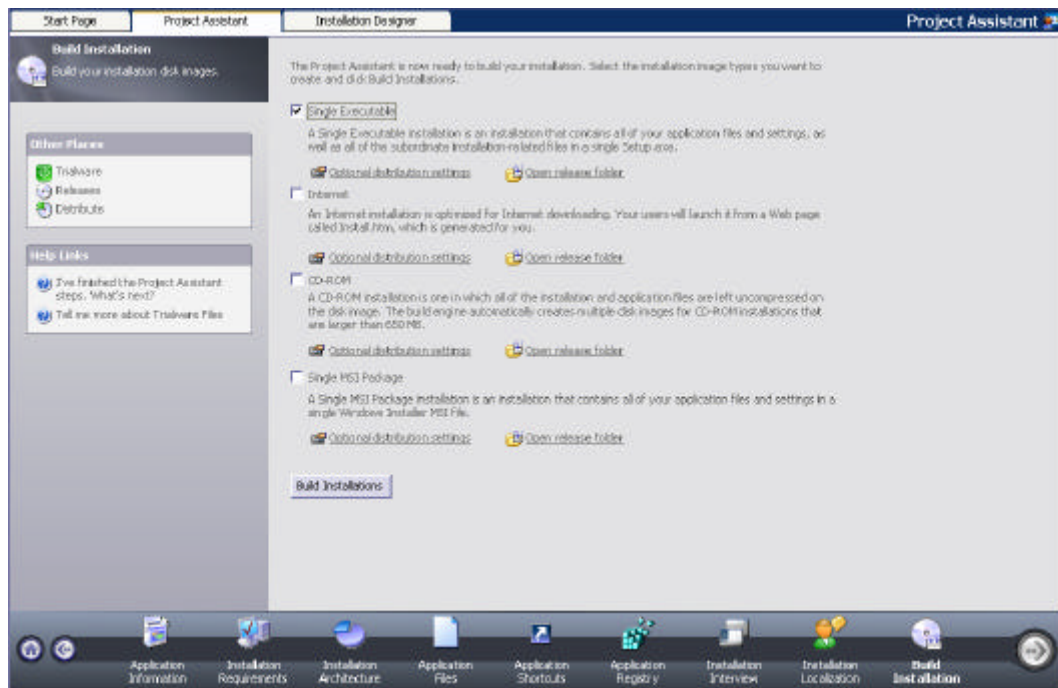
Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)

Untuk membuat *shortcut* dari program yang nantinya di-*install*, tekan tombol “new” kemudian cari *file executable* dari program yang akan di-*install*. Kemudian untuk membuat *shortcut* untuk *uninstall* program, klik pada *create an uninstallation shortcut* yang terletak pada kolom *More Options* pada pojok kiri atas halaman *application shortcuts*. Untuk melanjutkan ke halaman selanjutnya, tekan tombol .



Jika program yang akan dibuat *installer*-nya tidak butuh untuk mengubah *registry* dari sistem operasi yang digunakan oleh *user* nantinya, maka tekan tombol .

Lampiran 11: Proses Pembuatan *Installer Online Cinema Client* (Lanjutan)



Kemudian setelah sampai pada halaman ini, untuk membuat *installer* dari program yang sudah dimasukkan pada halaman-halaman sebelumnya, beri tanda *tick* pada *Single Executable* untuk membuat sebuah file *installer*. Kemudian tekan tombol **Build Installations** untuk mulai membuat *file installer*. *File installer* yang sudah jadi nantinya akan diletakkan sesuai dengan lokasi yang telah ditentukan pada halaman *create new project*.

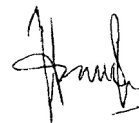
Lampiran 12: Proposal Tugas Akhir

**JURUSAN TEKNIK ELEKTRO
FAKULTAS TEKNOLOGI INDUSTRI
UNIVERSITAS KRISTEN PETRA
SURABAYA**

USULAN TUGAS AKHIR

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Pembimbing I : Lauw Lim Un Tung, S.T.
Dilaksanakan : Semester Gasal 2006 / 2007

Surabaya, 19 Juni 2006
Yang mengusulkan,



(Heru Yuri Rori)

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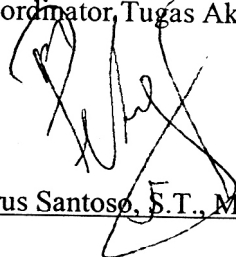
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Mengetahui:

Koordinator Tugas Akhir,



Petrus Santoso, S.T., M.Sc.

Lampiran 12: Proposal Tugas Akhir (Lanjutan)

PROPOSAL TUGAS AKHIR

1. Judul Tugas Akhir

Sistem Online Cinema dengan Teknik Streaming Video

2. Latar belakang masalah

Dewasa ini perkembangan dunia internet berkembang dengan sangat pesat sekali. Banyak hal yang menjadi mudah untuk dilakukan dengan adanya internet. Informasi-informasi yang dulunya susah dicari karena berada di tempat yang sangat jauh, kini tidak lagi susah untuk dicari. Keberadaan internet tentu saja mempermudah pekerjaan manusia. Selain tidak makan waktu, internet juga banyak memberikan kemudahan. Sistem *Online Cinema* dengan Teknik *Streaming Video* bisa menjadi salah satu fasilitas yang memudahkan manusia.

Film bukanlah suatu hal yang baru bagi warga metropolis. Banyak dari masyarakat di berbagai belahan dunia memilih film sebagai salah satu alternatif hiburan, tak terkecuali di Indonesia. Cukup banyak bioskop yang baru dibangun untuk memenuhi kebutuhan pasar. Namun, sebagian besar memang terletak di kota-kota besar. Hal ini menjadi kendala bagi masyarakat yang tinggal di daerah yang tidak memiliki gedung bioskop, atau masyarakat yang tinggal di daerah yang jarak antara rumah dengan gedung bioskop cukup jauh.

Kehadiran Sistem *Online Cinema* dengan Teknik *Streaming Video* dimaksudkan untuk memberi kemudahan bagi masyarakat dalam melihat tayangan bioskop tanpa perlu meninggalkan rumah. Hal ini sesuai dengan kebutuhan warga metropolis yang serba sibuk. Bahkan dalam masalah hiburan pun, warga metropolis menginginkan yang praktis, mudah dan cepat. Tanpa harus mengeluarkan tenaga untuk pergi ke gedung bioskop. Sistem *Online Cinema* dengan Teknik *Streaming Video* juga bisa menjadi salah satu alternatif bagi masyarakat yang tinggal di daerah yang tidak memiliki gedung bioskop, ataupun masyarakat yang tinggal di daerah yang jarak antara gedung bioskop dengan rumah cukup jauh. Hanya dengan memiliki akses internet, masyarakat sudah bisa menikmati tayangan film yang ditayangkan di bioskop.

Lampiran 12: Proposal Tugas Akhir (Lanjutan)

Sebagai *interface* dengan pelanggan, digunakan *website*. Dalam *website*, pelanggan dapat melihat jadwal jam tayang film, melihat *preview* dari film yang ingin ditonton, melakukan pembayaran, *download* program aplikasi pemutar film, serta menonton film. Program aplikasi pemutar film yang nantinya berada di *client* memiliki fungsi sebagai pemutar film (jika pelanggan telah melakukan pembayaran serta berhasil melalui proses validasi yang terjadi) ketika pelanggan memilih untuk menonton film.

3. Perumusan Masalah

Berdasarkan latar belakang di atas, dapat dibuat beberapa rumusan masalah sebagai berikut:

1. Bagaimana cara untuk mengkoordinir pelanggan yang ingin menyaksikan tayangan Sistem *Online Cinema* dengan Teknik *Streaming Video*.
2. Bagaimana cara menggabungkan program dengan *website* sebagai *interface* dengan pelanggan.
3. Bagaimana sistem pembayaran.

Adapun ruang lingkup dalam merencanakan tugas akhir ini antara lain :

1. Pembuatan *website* sebagai *interface* dengan pelanggan
2. Pembelajaran bahasa pemrograman PHP untuk memanggil aplikasi lainnya.
3. Pembuatan database untuk menyimpan data pelanggan yang sudah memiliki deposit.
4. Pembelajaran sistem pembayaran melalui transfer bank.

4. Tujuan Tugas Akhir

Adapun tujuan yang ingin dicapai dalam tugas akhir ini adalah :

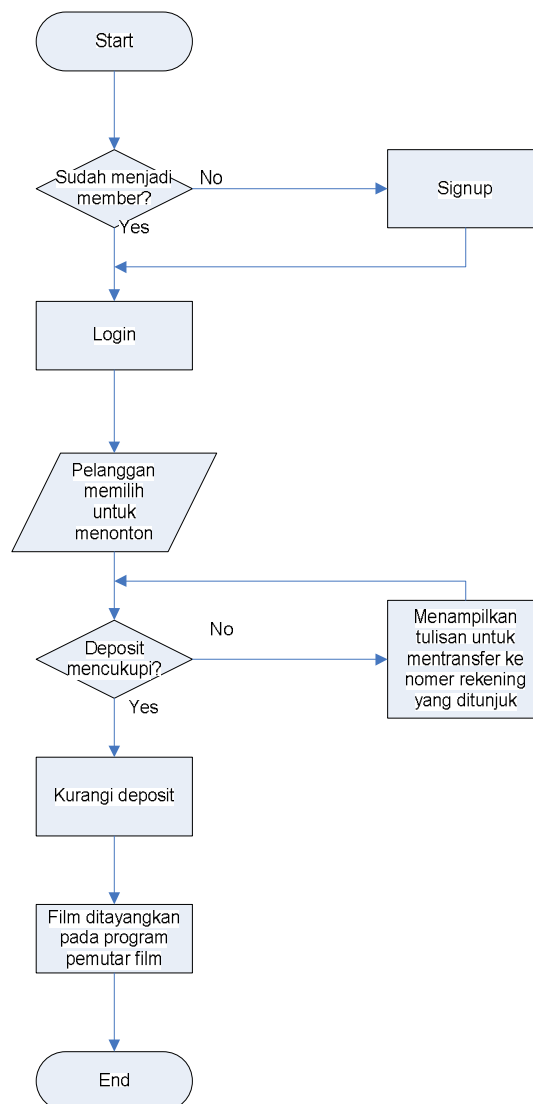
1. Mengaplikasikan teknologi telematika untuk mempermudah serta membuat hiburan menjadi lebih praktis bagi warga metropolitan.
2. Membuat *software* yang optimal yang tentunya juga memudahkan pelanggan.

Lampiran 12: Proposal Tugas Akhir (Lanjutan)

5. Tinjauan Pustaka

Aplikasi Sistem *Online Cinema* dengan Teknik *Streaming Video* ini merupakan program aplikasi yang dibuat dan beberapa program antara lain PHP, "Microsoft Visual Studio .NET", serta menggunakan beberapa program pendukung yakni Apache, MySQL Server. Program aplikasi ini terbagi atas 2 bagian. Bagian pertama yaitu website yang berfungsi sebagai *interface* dengan pelanggan yang ingin menonton film. Di dalam website ini, pelanggan bisa melakukan pembelian tiket, melihat *preview* dari film yang akan ditayangkan, melihat jadwal film yang akan diputar, serta menonton film. Untuk melihat *preview* film, pelanggan bisa langsung melihat *trailer* dari film yang akan ditayangkan (tanpa perlu melakukan proses pembayaran). Sebelum dapat menyaksikan tayangan film, maka pelanggan diminta untuk melakukan pembayaran terlebih dahulu. Dalam proses pembayaran ini (bagi pelanggan yang baru pertama kali melakukan pembayaran), maka pelanggan akan diminta *download* program yang berfungsi sebagai pemutar film. Namun jika pelanggan sudah memiliki program ini, maka pelanggan tidak perlu *download* program. Setelah program di-*download* dan proses pembayaran telah selesai, maka pelanggan bisa langsung menonton film yang. Untuk dapat melakukan pembayaran, maka pelanggan terlebih dahulu memiliki *account* pada website serta transfer uang ke nomor rekening yang ditunjuk. Kemudian setelah *admin* memeriksa ada transfer uang, maka deposit untuk pelanggan yang bersangkutan akan bertambah sebesar nominal uang yang ditransfer. Setelah pelanggan memilih untuk menonton film, maka pelanggan diminta untuk *login* dahulu. Setelah *login* barulah deposit pada *account* tersebut dikurangi. Kemudian setelah deposit berhasil dikurangi (dengan asumsi deposit pelanggan yang bersangkutan mencukupi), maka program di *client* dapat menerima gambar dari *server*. Sehingga pelanggan dapat menonton film. Berikut ini adalah blok diagram saat pelanggan memilih untuk menonton film melalui bagian website.

Lampiran 12: Proposal Tugas Akhir (Lanjutan)

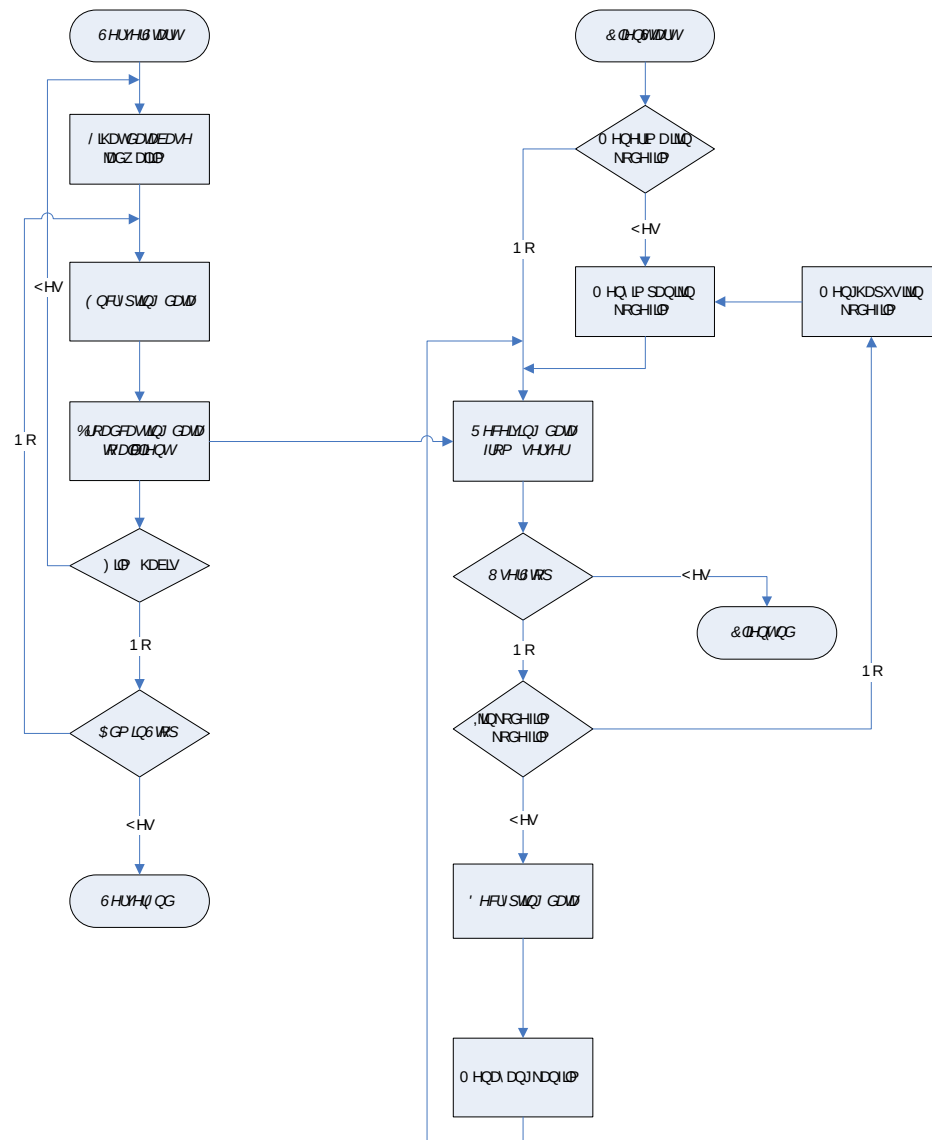


Jadwal tayang semua film sudah disimpan dalam database. Sehingga secara otomatis, film akan terputar setelah jam pada *server* sesuai dengan jadwal tayang film. Program pemutar film yang berada pada *server* secara terus menerus mengirimkan data ke semua komputer (*broadcast*). Data yang dikirim adalah data film serta kode film yang diputar saat itu. Namun, agar tidak semua komputer dapat melihat file yang dikirimkan oleh *server*, maka program pemutar film yang terletak di sisi *client* bertugas membandingkan kode film yang diijinkan untuk ditayangkan dengan kode film yang dikirim oleh *server*. Apabila kode film yang diijinkan untuk ditayangkan sama dengan kode film yang dikirim oleh *server*, maka film akan tampil di layar *client*. Namun, jika kode film yang dikirimkan

Lampiran 12: Proposal Tugas Akhir (Lanjutan)

oleh *server* tidak sama dengan kode film yang diijinkan untuk diputar di *client* maka program yang ada di *client* tidak akan menampilkan apa-apa. Selain itu, program di *server* juga melakukan enkripsi data dengan tujuan agar data tidak bisa diambil oleh orang yang tidak memiliki hak untuk menyaksikan tayangan film. Kode film yang diijinkan untuk ditayangkan, diperoleh program *client* saat memilih untuk menonton film melalui website. Segera setelah pelanggan memilih untuk menonton film, film akan ditayangkan pada program *client*. Setelah film yang dipilih selesai, maka secara otomatis film selanjutnya tidak akan ditayangkan di *client* (karena tentu saja kode film yang diijinkan untuk ditayangkan tidak akan sama dengan kode film yang dikirim oleh *server*. Karena masing-masing film yang dikirim oleh *server* memiliki kode film yang berbeda-beda yang tersimpan dalam database. Agar bisa menonton tentu saja, program *client* harus dijalankan terlebih dahulu sebelum pelanggan memilih untuk menonton melalui website. Karena pada saat pelanggan memilih untuk menonton sebuah film, maka website akan memproses terlebih dahulu apakah pelanggan bisa menonton karena sudah memiliki tiket, atau pelanggan tidak bisa menonton karena belum membeli tiket. Setelah pelanggan berhasil melewati proses ini, maka data kode film yang diijinkan untuk ditayangkan akan dikirim ke program *client* sehingga secara otomatis film yang dikirimkan oleh *server* akan di tampilkan di *client*. Karena setelah melewati proses tersebut data kode film yang diijinkan untuk ditayangkan langsung dikirim ke program *client*, maka program *client* harus terlebih dahulu dijalankan. *Flowchart* dari program *client* dan *server* dapat dilihat pada diagram di bawah ini

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Dari diagram di atas tampak bahwa secara teknis, setiap data film yang dikirimkan oleh *server* selalu diterima oleh *client* hanya saja jika kode film yang diijinkan untuk ditayangkan tidak sama dengan kode film yang dikirim *server*, maka program *client* tidak akan menampilkan apa-apa. Sedangkan jika ijin kode film sama dengan kode film yang dikirim oleh *server* (yang merupakan kode film yang di-broadcast saat itu), maka program *client* akan menayangkan film tersebut hingga kode film yang dikirim oleh *server* berubah. atau dengan kata lain film yang sebelumnya telah selesai.

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6. Metodologi Penelitian

Dalam penulisan tugas akhir ini penulis menggunakan beberapa metodologi, diantaranya adalah:

1. Studi Literatur
 - Mempelajari konsep dasar yang berhubungan dengan program aplikasi yaitu program-program pendukung web.
2. Pengumpulan data
 - MSDN dari software yang akan digunakan.
3. Pembuatan program aplikasi
 - Database web *server* dengan spesifikasi Apache 2.x, PHP, MySQL *Server*.
 - Aplikasi pemutar film.
4. Pengujian

Pengujian yang akan dilakukan pada aplikasi ini meliputi kemampuan aplikasi untuk melakukan *authentication user*, kemudian memutar film ketika pengguna berhasil masuk.
5. Pengambilan kesimpulan

7. Relevansi

Dengan pembuatan aplikasi ini diharapkan dapat mempermudah masyarakat khususnya warga metropolis untuk mencari hiburan tanpa perlu mengeluarkan banyak tenaga dengan menonton film langsung dari rumah.

Lampiran 12: Proposal Tugas Akhir (Lanjutan)

8. Jadwal Kegiatan

Kegiatan	Bulan			
	I	II	III	IV
Studi Literatur				
Pengumpulan Data				
Pembuatan Program				
Analisa Data				
Kesimpulan				
Pembuatan Laporan				

9. Daftar Pustaka

<http://www.microsoft.com/net/>

<http://www.php.net>

Lampiran 13: Poster Tugas Akhir

Sistem Online Cinema Dengan Teknik Streaming Video

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Tugas Akhir Periode UAS Semester Gasal 2006/2007

Perkembangan jaman menuntut orang bekerja semakin keras dan membutuhkan apa yang disebut dengan hiburan. Bioskop menjadi salah satu alternatif hiburan bagi masyarakat saat ini. Kendala mulai muncul ketika orang hampir tidak memiliki waktu untuk pergi ke gedung bioskop karena terlalu sibuk ataupun karena jarak antara rumah dengan gedung bioskop terdekat cukup jauh, sehingga membuat orang menjadi malas untuk pergi ke bioskop. Kehadiran Sistem Online Cinema Dengan Teknik Streaming Video dihadirkan untuk mengatasi hal tersebut. Cukup dengan koneksi internet, maka setiap orang dapat menyaksikan tayangan film bioskop.

Sistem Online Cinema Dengan Teknik Streaming Video terdiri dari 2 bagian utama, yakni OCServer dan OCClient. OCServer berada pada admin untuk mengatur penjadwalan film dan menambah deposit client. OCClient di-install di komputer client untuk menayangkan film yang di-broadcast oleh server.

Sistem Online Cinema Dengan Teknik Streaming Video dapat menampung 50 client yang ingin menyaksikan tayangan film yang di-broadcast oleh server pada jaringan Local Area Network 100 Mbit.






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