



```
Public NotInheritable Class frmSplashScreen1

    Private Sub SplashScreen1_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load

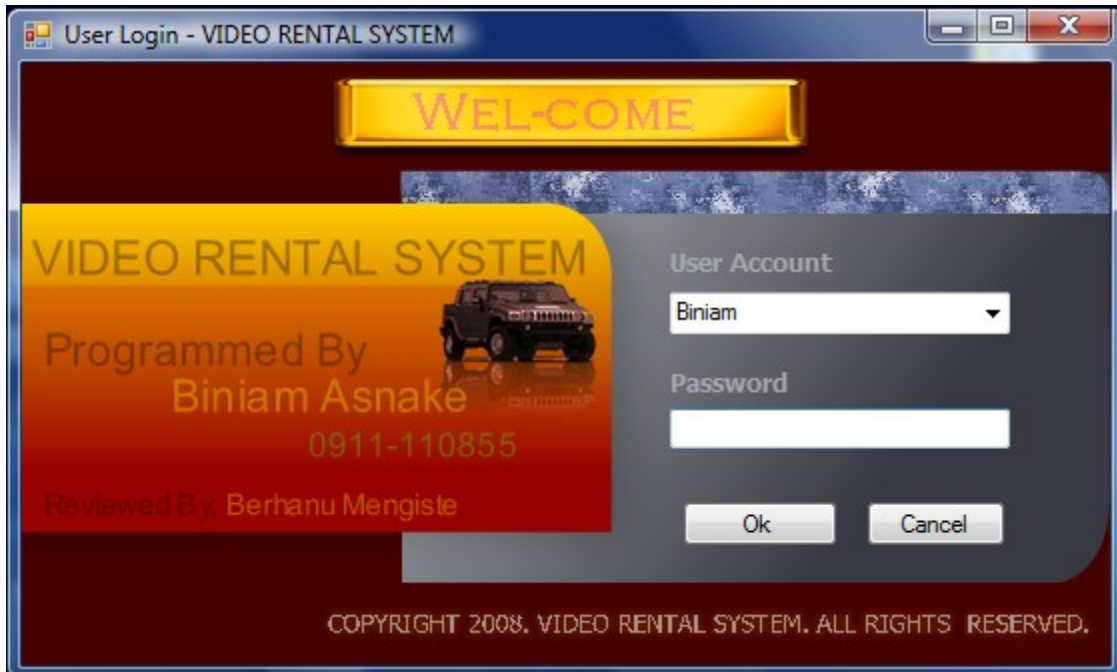
        Version.Text = System.String.Format(Version.Text,
My.Application.Info.Version.Major, My.Application.Info.Version.Minor)
        Me.Opacity = 0
        trVisible.Start()

    End Sub

    Private Sub trVisible_Tick(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles trVisible.Tick

        If Me.Opacity > 1 Then
            trVisible.Stop()
            ' ''frmUserLogin.Opacity = 0
            ' ''frmUserLogin.tr2.Start()
        Else
            Me.Opacity = Me.Opacity + 0.1
        End If

    End Sub
End Class
```



```
Imports System.Data
Imports System.Data.SqlClient
Public Class frmUserLogin

    Dim objConnection As New SqlConnection("Server =(local); Database=
Video_Store; Integrated Security= True;")

    Dim userDataSet As DataSet
    Dim objDV As DataView

    Dim objCommand As New SqlCommand

    ' Public Manager, SalesPerson As Boolean
    Public loginName As String

    Public Sub frmUserLogin_Load(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles Me.Load
        ' Me.Opacity = 0
        ' tr2.Start()

        lblType.Hide()
        txtPassword.Text = ""
        txtPassword.Focus()

        Dim objDataAdapter As New SqlDataAdapter

        objDataAdapter.SelectCommand = New SqlCommand()
        objDataAdapter.SelectCommand.Connection = objConnection
        objDataAdapter.SelectCommand.CommandText = _
"SELECT UserName FROM Users ORDER BY UserName;"

        userDataSet = New DataSet()
        objDataAdapter.Fill(userDataSet, "Users")
    End Sub
End Class
```

```

        cboUserName.DataSource = userDataSet.Tables("Users")

    End Sub

    Private Sub btnOk_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnOk.Click
        'Dim type As String
        'Type = lblType.Text.Trim
        loginName = cboUserName.Text

        Dim rowCount As String

        Dim objDataAdaptor1 As New SqlDataAdapter

        objDataAdaptor1.SelectCommand = New SqlCommand()
        objDataAdaptor1.SelectCommand.Connection = objConnection
        objDataAdaptor1.SelectCommand.CommandText =
            "SELECT * from Users where UserName='" + cboUserName.Text +
            "'AND Password='" + txtPassword.Text + "'"

        userDataSet = New DataSet()
        objDataAdaptor1.Fill(userDataSet, "Users")

        'set the dataview object to the dataset object...
        objDV = New DataView(userDataSet.Tables("Users"))
        Dim objDataTable As DataTable

        objDataTable = userDataSet.Tables("Users")
        rowCount = (objDataTable.Rows.Count - 1)

        If rowCount = -1 Then
            MessageBox.Show("Access Denied!", "Video Rental System -
Exception Report", MessageBoxButtons.OK, MessageBoxIcon.Error)
            txtPassword.Text = ""
            txtPassword.Focus()
        Else
            ' MessageBox.Show("Access Granted!", "Video Rental System",
MessageBoxButtons.OK, MessageBoxIcon.Information)

            'If Type.Equals("Manager") Then

            '    Manager = True

            'ElseIf Type.Equals("Sales Person") Then
            '    SalesPerson = True

            '    'ElseIf type.Equals("Purchaser") Then
            '    '    Purchaser = True
            'Else
            '    MessageBox.Show("Unknown user type!")
            'End If

            frmHome.Show()
            Me.Hide()

        End If
    End Sub

```

```

End Sub

Private Sub cboUserName_SelectedValueChanged(ByVal sender As
Object, ByVal e As System.EventArgs) Handles
cboUserName.SelectedValueChanged

    txtPassword.Text = ""
    txtPassword.Focus()

End Sub

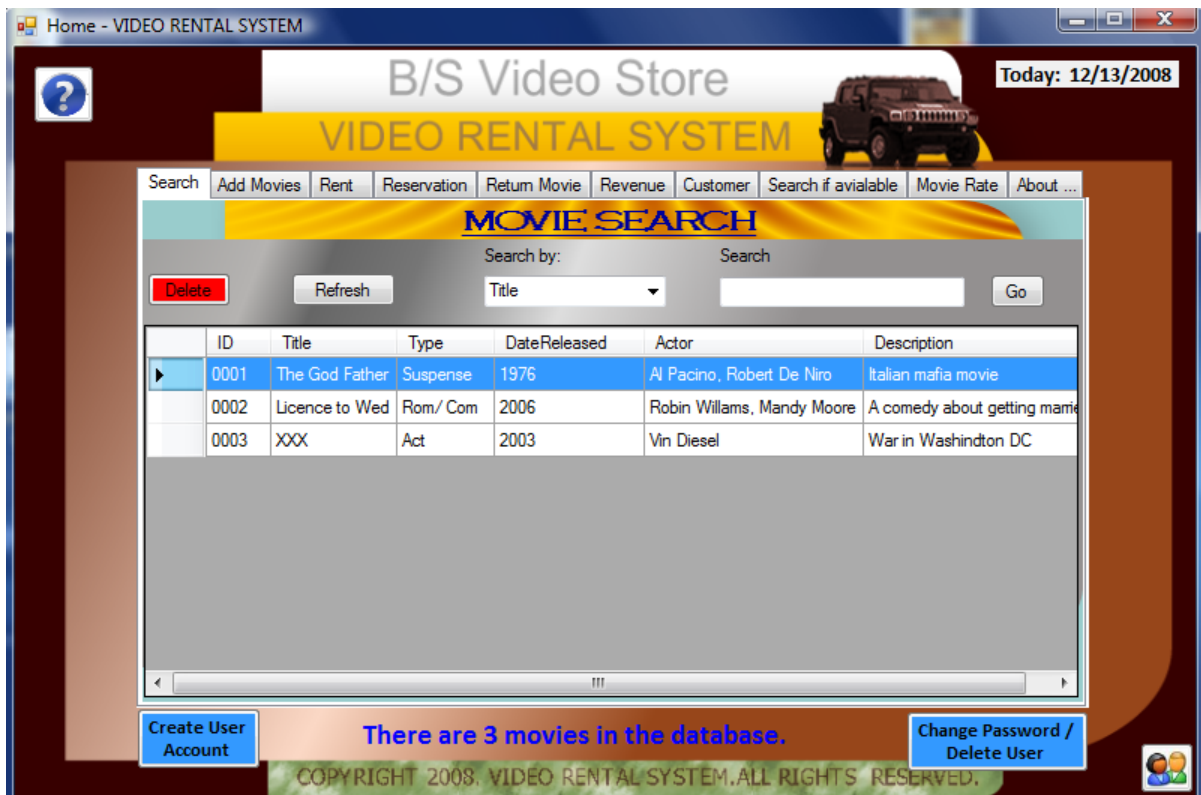
' '''Private Sub tr2_Tick(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles tr2.Tick

' '''    If Me.Opacity > 1 Then
' '''        tr2.Stop()
' '''    Else
' '''        Me.Opacity = Me.Opacity + 0.01
' '''    End If

' '''End Sub

End Class

```



Home - VIDEO RENTAL SYSTEM

B/S Video Store
VIDEO RENTAL SYSTEM

Today: 12/13/2008

Search Add Movies Rent Reservation Return Movie Revenue Customer Search if available Movie Rate About ...

ADD MOVIE

ID	<input type="text"/>	Date Released	<input type="text"/>
Title	<input type="text"/>	Date Bought	12/13/2008
Type	Action	Actor(s)	<input type="text"/>
Description	<input type="text"/>		

Add New

Create User Account

There are 3 movies in the database.

Change Password / Delete User

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Home - VIDEO RENTAL SYSTEM

B/S Video Store
VIDEO RENTAL SYSTEM

Today: 12/13/2008

Search Add Movies Rent Reservation Return Movie Revenue Customer Search if available Movie Rate About ...

RENT MOVIE

ID	<input type="text"/>	Date Rented	12/13/2008
Title	<input type="text"/>	Paid	<input type="radio"/> Yes <input type="radio"/> No
Customer Name	<input type="text"/>		

Rent New

Create User Account

There are 3 movies in the database.

Change Password / Delete User

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Home - VIDEO RENTAL SYSTEM

B/S Video Store
VIDEO RENTAL SYSTEM

Today: 12/13/2008

Search Add Movies Rent Reservation Return Movie Revenue Customer Search if available Movie Rate About ...

MOVIE RESERVATION

ID
Title
Customer Name
Customer Telephone

RID	ID	Title	Cust Name	Cust Tel

There are 3 movies in the database.

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Home - VIDEO RENTAL SYSTEM

B/S Video Store
VIDEO RENTAL SYSTEM

Today: 12/13/2008

Search Add Movies Rent Reservation Return Movie Revenue Customer Search if available Movie Rate About ...

RETURN MOVIE

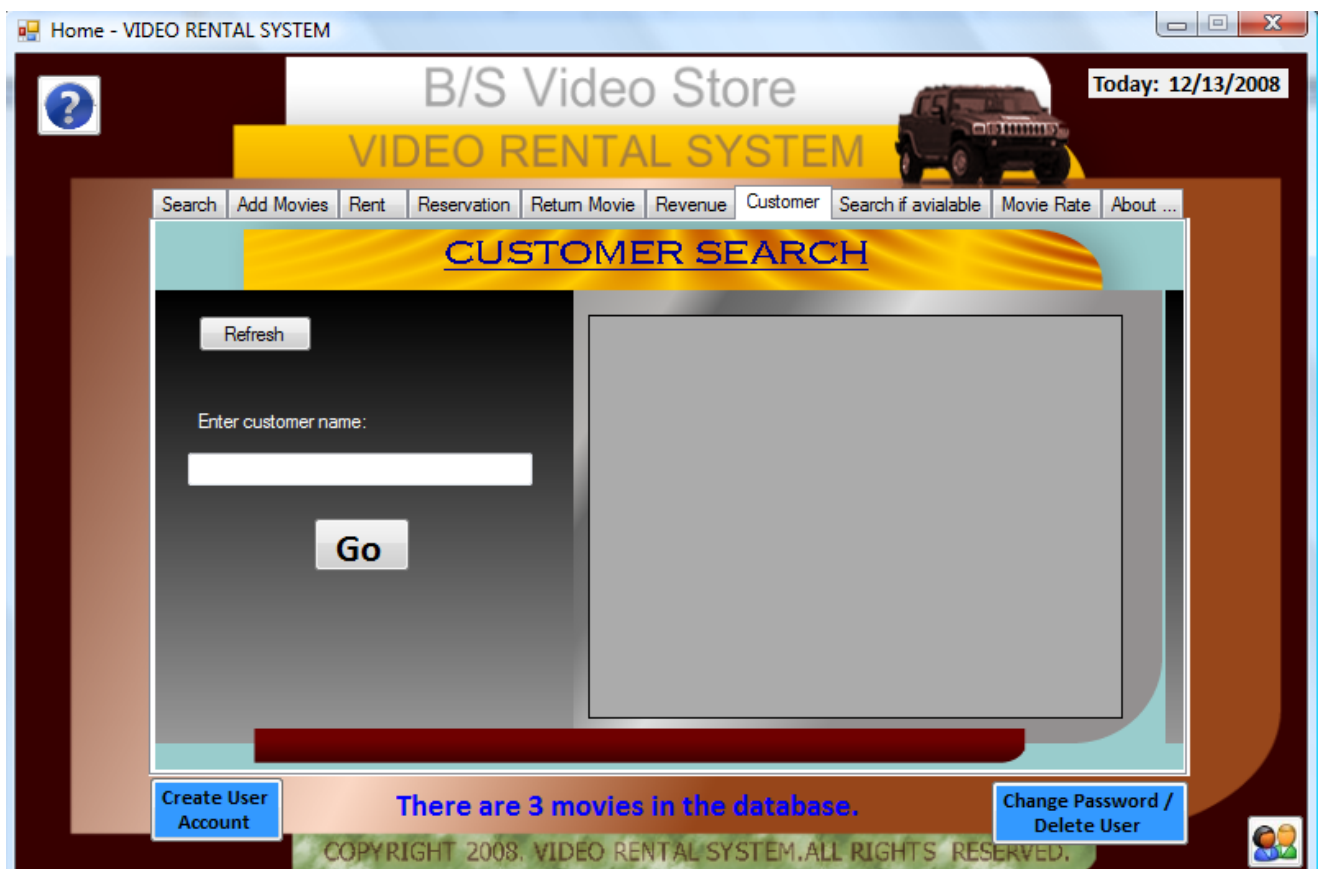
ID

Movies that are due morethan 10 Days

Customer Name	Title of Movie
Berhanu	Berhanu

There are 3 movies in the database.

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Home - VIDEO RENTAL SYSTEM

B/S Video Store

VIDEO RENTAL SYSTEM

Today: 12/13/2008

Search Add Movies Rent Reservation Return Movie Revenue Customer Search if available Movie Rate About ...

SEARCH IF AVAILABLE

Delete Refresh

Search by:
Title

Search

Go

ID	Title	CustomerName	DateRented
0001	The God Father	Berhanu	12/12/2008

Create User Account

There are 3 movies in the database.

Change Password / Delete User

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Home - VIDEO RENTAL SYSTEM

B/S Video Store

VIDEO RENTAL SYSTEM

Today: 12/13/2008

Search Add Movies Rent Reservation Return Movie Revenue Customer Search if available Movie Rate About ...

MOVIE RATE

Refresh

Search by:
Title

Search

Go

This form shows how many times a movie has been rented.

Create User Account

There are 3 movies in the database.

Change Password / Delete User

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Home - VIDEO RENTAL SYSTEM

B/S Video Store

VIDEO RENTAL SYSTEM

Today: 12/13/2008

Search Add Movies Rent Reservation Return Movie Revenue Customer Search if available Movie Rate About ...

ABOUT ...

VIDEO RENTAL SYSTEM

Programmed By
Biniam Asnake

Reviewed By: Berhanu Mengiste

CONTACT INFORMATION

Tel: 0911-110855
E-mail: bakjwks@yahoo.com
biny08@gmail.com

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Create User Account

There are 3 movies in the database.

Change Password / Delete User

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Help - VIDEO RENTAL SYSTEM

VIDEO RENTAL SYSTEM Refresh

HELP! HELP! HELP! HELP! HELP!

CAPABILITIES OF VRS

HOW TO ...

SHOW FORM

ABOUT THE PROGRAMMER

SUCCESS PLC VIDEO RENTAL SYSTEM

HELP!

Programmed By
Biniam Asnake

Reviewed By: Berhanu Mengiste

CONTACT INFORMATION

Tel: 0911-110855
E-mail: bakjwks@yahoo.com
biny08@gmail.com

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SUCCESS PLC VIDEO RENTAL SYSTEM

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```

'Import Data and SqlClient namespaces...
Imports System.Data
Imports System.Data.SqlClient
Public Class frmHome

    Dim objConnection As New SqlConnection("Server
=(local);Database=Video_Store; Integrated Security= True;")

    Dim objCommand As New SqlCommand
    Dim objDataAdapter As New SqlDataAdapter
    Dim objDataAdapter2 As New SqlDataAdapter
    Dim objDataAdapter3 As New SqlDataAdapter
    Dim objDataSet As DataSet

    Private Sub frmHome_Load(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Load

        ' Showing today's date in frmhome
        Dim DateTimePicker1 As New DateTimePicker
        DateTimePicker1.Value = Date.Today
        lblDate.Text = "Today: " & DateTimePicker1.Value

        lst10Due.Items.Clear()

        ' Checking for Due date
        Dim DateTimePicker2 As New DateTimePicker
        DateTimePicker2.Value = Date.Now

        Dim today As New Date
        today = DateTimePicker2.Value.Date

        Dim NowMinus10Days As Date
        NowMinus10Days = DateAdd(DateInterval.Day, -10, today)

        Dim objSelectCommand7 As New SqlCommand
        objSelectCommand7.Connection = objConnection

        'SELECT command
        objSelectCommand7.CommandText = _
        "SELECT CustomerName " & _
        "FROM Rent " & _
        "WHERE DateRented > " & NowMinus10Days & ";"

        objConnection.Open()
        Dim obj10Due As Object = objSelectCommand7.ExecuteScalar
        objConnection.Close()

        Dim objSelectCommand8 As New SqlCommand
        objSelectCommand8.Connection = objConnection

        'SELECT command 2
        objSelectCommand8.CommandText = _
        "SELECT Title " & _
        "FROM Rent " & _
        "WHERE DateRented > " & NowMinus10Days & ";"

        objConnection.Open()

```

```

Dim obj10DueTitle As Object = objSelectCommand7.ExecuteScalar
objConnection.Close()

lst10Due.Items.Add(obj10Due & " " &
obj10DueTitle)

.....

txtSearchMovie.Text = ""
txtSearchMovie.Focus()

objDataAdaptor.SelectCommand = New SqlCommand()
objDataAdaptor.SelectCommand.Connection = objConnection

' SELECT statement
objDataAdaptor.SelectCommand.CommandText = _
"SELECT ID, Title, Type, DateReleased, Actor, Description FROM
Movie"

objDataAdaptor.SelectCommand.CommandType = CommandType.Text

' Initialize a new instance of the DataSet object...
objDataSet = New DataSet()

' Fill the DataSet object with data...
objDataAdaptor.Fill(objDataSet, "Movies")

' My work

grdMovies.DataSource = objDataSet

grdMovies.DataMember = "Movies"

'Shows the number of movies in the database
Dim NoR As Integer
NoR = grdMovies.RowCount

lblMsg0.Text = "There are " & NoR & " movies in the database."

.....

txtSearchAvi.Text = ""
txtSearchAvi.Focus()

objDataAdaptor2.SelectCommand = New SqlCommand()
objDataAdaptor2.SelectCommand.Connection = objConnection

' SELECT statement
objDataAdaptor2.SelectCommand.CommandText = _
"SELECT ID, Title, CustomerName, DateRented FROM Rent WHERE
Returned = 0"

objDataAdaptor2.SelectCommand.CommandType = CommandType.Text

```

```

        ' Declare and Initialize a new instance of the DataSet
object...
        Dim objDataSet2 As New DataSet

        ' Fill the DataSet object with data...
        objDataAdaptor2.Fill(objDataSet2, "Avialable")

        ' My work

        grdSearchAvi.DataSource = objDataSet2

        grdSearchAvi.DataMember = "Avialable"

.....

        txtReserveMovieID.Text = ""
        txtReserveMovieID.Focus()

        objDataAdaptor3.SelectCommand = New SqlCommand()
        objDataAdaptor3.SelectCommand.Connection = objConnection

        ' SELECT statement
        objDataAdaptor3.SelectCommand.CommandText = _
        "SELECT ReservationID AS RID, ID, Title, CustomerName AS [Cust
Name], " & _
        "CustomerTel AS [Cust Tel] FROM Reservation WHERE Done = 0"

        objDataAdaptor3.SelectCommand.CommandType = CommandType.Text

        ' Declare and Initialize a new instance of the DataSet
object...
        Dim objDataSet00 As New DataSet

        ' Fill the DataSet object with data...
        objDataAdaptor3.Fill(objDataSet00, "Reserved")

        ' My work

        grdReservation.DataSource = objDataSet00

        grdReservation.DataMember = "Reserved"

.....

        'Hide all the labels of # of characters allowed in ADD MOVIE
        lblID.Visible = False
        lblTitle.Visible = False
        lblType.Visible = False
        lblActor.Visible = False
        lblDesc.Visible = False
        lblDReleased.Visible = False
        lblDBought.Visible = False

```

```

'Hide all the labels of # of characters allowed in RENT MOVIE
lblRID.Visible = False
lblRTitle.Visible = False
lblRCN.Visible = False
lblRDR.Visible = False

'Hide all the labels of # of characters allowed in RESERVE MOVIE
lblResID.Visible = False
lblResTitle.Visible = False
lblResCN.Visible = False
lblResCT.Visible = False

'Hide all the labels of # of characters allowed in RETURN MOVIE
lblReturnID.Visible = False

End Sub

Private Sub btnAdd_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnAdd.Click

    Dim ID, title, type, dateReleased, dateBought, actor,
description As String

    ID = txtID.Text
    title = txtTitle.Text
    type = cboType.Text
    'dateReleased = dtpDateReleased.Value.Date.ToString
    dateReleased = txtDateReleased.Text
    dateBought = dtpDateBought.Value.Date.ToString
    actor = txtActor.Text
    description = txtDescription.Text

    If ID.Equals("") Or title.Equals("") Or type.Equals("") Or
dateReleased.Equals("") _
        Or dateBought.Equals("") Or actor.Equals("") Or
description.Equals("") Then
        MessageBox.Show("Please fill all the empty text box(s)!",
"Video Rental System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)

    ElseIf ID.Length > 6 Or title.Length > 30 Or type.Length > 10
Or dateReleased.Length > 15 _
        Or dateBought.Length > 8 Or actor.Length > 50 Or
description.Length > 50 Then
        MessageBox.Show("Please check the number of characters
allowed" & vbCrLf & _
            " which is written in yellow background!", "Video Rental
System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
        lblMsg1.Text = "Please check the number of characters
allowed which is written in yellow background!"

```



```

        lblID.Visible = True
        lblTitle.Visible = True
        lblType.Visible = True
        lblActor.Visible = True
        lblDesc.Visible = True
        lblDReleased.Visible = True
        lblDBought.Visible = True
    Else

        Dim objInsertCommand As New SqlCommand
        objInsertCommand.Connection = objConnection

        'INSERT statement
        objInsertCommand.CommandText = _
        "INSERT INTO Movie " & _
        "(ID, Title, Type, DateReleased, DateBought, Actor,
Description)" & _
        "VALUES (@ID, @title, @type, @dateReleased, @dateBought,
@actor, @description);"

        objInsertCommand.Parameters.AddWithValue("@ID", ID)
        objInsertCommand.Parameters.AddWithValue("@title", title)
        objInsertCommand.Parameters.AddWithValue("@type", type)
        objInsertCommand.Parameters.AddWithValue("@dateReleased", dateReleased)
        objInsertCommand.Parameters.AddWithValue("@dateBought", dateBought)
        objInsertCommand.Parameters.AddWithValue("@actor", actor)
        objInsertCommand.Parameters.AddWithValue("@description", description)

        objConnection.Open()

        ' Execute the SqlCommand object to insert the new data...
        Try
            objInsertCommand.ExecuteNonQuery()
            MessageBox.Show("Movie is inserted Successfully!!!",
"Video Rental System", MessageBoxButtons.OK,
MessageBoxIcon.Information)
            objConnection.Close()
            Call btnRefresh_Click(Nothing, Nothing)
        Catch SqlExceptionErr As SqlException
            MessageBox.Show(SqlExceptionErr.Message)
            MessageBox.Show("Movie is NOT added!", "Video Rental
System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
        End Try

        objConnection.Close()
    End If

End Sub

Private Sub btnNew_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnNew.Click

    txtID.Text = ""
    txtTitle.Text = ""
    cboType.Text = ""

```

```

txtDateReleased.Text = ""
dtpDateBought.Value = Date.Now
txtActor.Text = ""
txtDescription.Text = ""

End Sub

Private Sub btnSearchGo_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSearchGo.Click

    Dim searchContent As String = txtSearchMovie.Text

    Dim selectDataAdaptor As New SqlDataAdapter
    selectDataAdaptor.SelectCommand = New SqlCommand

    selectDataAdaptor.SelectCommand.Connection = objConnection

    Dim searchBy As String
    searchBy = cboSearchBy.Text

    If (searchBy.Equals("Title")) Then
        selectDataAdaptor.SelectCommand.CommandText = _
            ("SELECT ID, Title, Type, DateReleased, Actor FROM Movie
WHERE Title like '" & searchContent & "%'")
    ElseIf (searchBy.Equals("ID")) Then
        selectDataAdaptor.SelectCommand.CommandText = _
            ("SELECT ID, Title, Type, DateReleased, Actor FROM Movie
WHERE ID like '" & searchContent & "%'")
    ElseIf (searchBy.Equals("Type")) Then
        selectDataAdaptor.SelectCommand.CommandText = _
            ("SELECT ID, Title, Type, DateReleased, Actor FROM Movie
WHERE Type like '" & searchContent & "%'")
    Else
        MessageBox.Show("Please check the Search By!", "Video
Rental System - Search Exception", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    End If

    selectDataAdaptor.Fill(objDataSet, "MoviesSearch")
    selectDataAdaptor.AcceptChangesDuringFill = True

    grdMovies.DataSource = objDataSet
    grdMovies.DataMember = "MoviesSearch"

    If grdMovies.RowCount = 0 Then
        MessageBox.Show("No match found!", "Video Rental System -
Search Exception", MessageBoxButtons.OK, MessageBoxIcon.Error)
        Call btnRefresh_Click(Nothing, Nothing)
    End If

End Sub

Private Sub btnRefresh_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnRefresh.Click

    txtSearchMovie.Text = ""
    frmHome_Load(Nothing, Nothing)

```

```

End Sub

Private Sub btnDelete_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btnDelete.Click

    Call btnDeleteMovie_Click(Nothing, Nothing)

End Sub

Private Sub btnRent_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnRent.Click

    Dim rentID, title, customerName, dateRented As String
    Dim paid As Integer

    rentID = txtRentID.Text
    title = txtRentTitle.Text
    customerName = txtCustName.Text
    dateRented = dtpDateRented.Value.Date.ToString

    If rentID.Equals("") Or title.Equals("") Or
customerName.Equals("") Or dateRented.Equals("") Or rdbYes.Checked =
False Or rdbNo.Checked = False Then
        MessageBox.Show("Please fill all the empty text box(s)!",
"Video Rental System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    ElseIf rentID.Length > 6 Or title.Length > 30 Or
customerName.Length > 30 Or dateRented.Length > 8 Then
        MessageBox.Show("Please check the number of characters
allowed" & vbCrLf & _
        " which is written in yellow background!", "Video Rental
System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
        lblMsg2.Text = "Please check the number of characters
allowed which is written in yellow background!"

        lblRID.Visible = True
        lblRTitle.Visible = True
        lblRCN.Visible = True
        lblRDR.Visible = True
    Else
        If rdbYes.Checked Then
            paid = 1
        ElseIf rdbNo.Checked Then
            paid = 0
        End If

        Dim objInsertCommand As New SqlCommand
        objInsertCommand.Connection = objConnection

        'INSERT statement
        objInsertCommand.CommandText = _
        "INSERT INTO Rent " & _
        "(ID, Title, CustomerName, DateRented, Paid, Returned)" & _
        "VALUES (@ID, @title, @customerName, @dateRented, @paid,
@returned);"

```

```

        objInsertCommand.Parameters.AddWithValue("@ID", rentID)
        objInsertCommand.Parameters.AddWithValue("@title", title)
        objInsertCommand.Parameters.AddWithValue("@customerName",
customerName)
        objInsertCommand.Parameters.AddWithValue("@dateRented",
dateRented)
        objInsertCommand.Parameters.AddWithValue("@paid", paid)
        objInsertCommand.Parameters.AddWithValue("@returned", 0)

        objConnection.Open()

        ' Execute the SqlCommand object to insert the new data...
    Try
        objInsertCommand.ExecuteNonQuery()
        MessageBox.Show("Movie Rented Successfully!!!", "Video
Rental System", MessageBoxButtons.OK, MessageBoxIcon.Information)
    Catch SqlExceptionErr As SqlException
        MessageBox.Show(SqlExceptionErr.Message)
        MessageBox.Show("Movie NOT rented!", "Video Rental
System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    End Try

        objConnection.Close()
    End If

End Sub

Private Sub txtRentID_LostFocus(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles txtRentID.LostFocus

    Dim rentID = txtRentID.Text
    Dim objSelectCommand0 As New SqlCommand
    objSelectCommand0.Connection = objConnection

    'SELECT command
    objSelectCommand0.CommandText = _
    "SELECT Title " & _
    "FROM Movie " & _
    "WHERE ID = '" & rentID & "';"

    objConnection.Open()
    Dim aviID As Object = objSelectCommand0.ExecuteScalar
    objConnection.Close()

    Dim avialableID As String
    avialableID = CType(aviID, String)

    If avialableID = "" Then
        MessageBox.Show("Invalid Movie ID!", "Video Rental System -
Exception Message", MessageBoxButtons.OK, MessageBoxIcon.Error)
        txtRentID.Text = ""
        'txtRentID.Focus()
    End If

    txtRentTitle.Text = avialableID

```

End Sub

```
Private Sub btnNewRent_Click(ByVal sender As System.Object, ByVal e  
As System.EventArgs) Handles btnNewRent.Click
```

```
    txtRentID.Text = ""  
    txtRentTitle.Text = ""  
    dtpDateRented.Value = Date.Now  
    txtCustName.Text = ""  
    rdbYes.Checked = False  
    rdbNo.Checked = False
```

End Sub

```
Private Sub btnReserve_Click(ByVal sender As System.Object, ByVal e  
As System.EventArgs) Handles btnReserve.Click
```

```
    Dim ReserveMovieID, title, customerName As String  
    Dim customerTel As Integer
```

```
    ReserveMovieID = txtReserveMovieID.Text  
    title = txtReserveTitle.Text  
    customerName = txtReserveCName.Text
```

```
    If ReserveMovieID.Equals("") Or title.Equals("") Or  
customerName.Equals("") Or txtCustTel.Text.ToString.Equals("") Then  
        MessageBox.Show("Please fill all the empty text box(s)!",  
"Video Rental System - Exception Message", MessageBoxButtons.OK,  
MessageBoxIcon.Error)
```

```
    ElseIf ReserveMovieID.Length > 6 Or title.Length > 30 Or  
customerName.Length > 30 Or customerTel.ToString.Length > 15 Then  
        MessageBox.Show("Please check the number of characters  
allowed" & vbCrLf & _  
" which is written in yellow background!", "Video Rental  
System - Exception Message", MessageBoxButtons.OK,  
MessageBoxIcon.Error)  
        lblMsg3.Text = "Please check the number of characters  
allowed which is written in yellow background!"
```

```
        lblResID.Visible = True  
        lblResTitle.Visible = True  
        lblResCN.Visible = True  
        lblResCT.Visible = True
```

Else

```
    customerTel = txtCustTel.Text  
    ' Create a new SqlCommand object...  
    Dim maxIdCommand As SqlCommand = New SqlCommand _  
("SELECT COUNT(ReservationID) FROM Reservation",  
objConnection)  
  
    ' Open the connection, execute the command and close the  
connection  
    objConnection.Open()  
    Dim maxId As Object = maxIdCommand.ExecuteScalar  
    objConnection.Close()
```

```

' Declare and set the strID variable to the value in MaxID...
Dim strID As String
strID = CType(maxId, String)
strID += 1

Dim objSelectCommand As New SqlCommand
objSelectCommand.Connection = objConnection

'SELECT command
objSelectCommand.CommandText = _
"SELECT ID " & _
"FROM Rent " & _
"WHERE ID = '" & ReserveMovieID & "';"

objConnection.Open()
Dim aviID As Object = objSelectCommand.ExecuteScalar
objConnection.Close()

If aviID = "" Then
    MessageBox.Show("The movie is either avialable or not
in the store at all!", "Video Rental System - Exception Message",
MessageBoxButtons.OK, MessageBoxIcon.Error)
End If

Dim objInsertCommand As New SqlCommand
objInsertCommand.Connection = objConnection

'INSERT starement
objInsertCommand.CommandText = _
"INSERT INTO Reservation " & _
"(ReservationID, ID, Title, CustomerName, CustomerTel,
Done)" & _
"VALUES (@ReservationID, @ReserveMovieID, @title,
@customerName, @customerTel, @Done);"

objInsertCommand.Parameters.AddWithValue("@ReservationID",
strID)
objInsertCommand.Parameters.AddWithValue("@ReserveMovieID",
ReserveMovieID)
objInsertCommand.Parameters.AddWithValue("@title", title)
objInsertCommand.Parameters.AddWithValue("@customerName",
customerName)
objInsertCommand.Parameters.AddWithValue("@customerTel",
customerTel)
objInsertCommand.Parameters.AddWithValue("@Done", 0)

objConnection.Open()

' Execute the SqlCommand object to insert the new data...
Try
    objInsertCommand.ExecuteNonQuery()
    MessageBox.Show("Movie Reserved Successfully!!!",
"Video Rental System", MessageBoxButtons.OK,
MessageBoxIcon.Information)
Catch SqlExceptionErr As SqlException
    MessageBox.Show(SqlExceptionErr.Message)

```

```

        MessageBox.Show("Movie NOT reserved!", "Video Rental
System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    End Try

    objConnection.Close()
End If

End Sub

Private Sub txtReserveMovieID_LostFocus(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
txtReserveMovieID.LostFocus

    Dim reserveMovieID = txtReserveMovieID.Text
    Dim objSelectCommand9 As New SqlCommand
    objSelectCommand9.Connection = objConnection

    'SELECT command
    objSelectCommand9.CommandText = _
    "SELECT Title " & _
    "FROM Movie " & _
    "WHERE ID = '" & reserveMovieID & "';"

    objConnection.Open()
    Dim aviID2 As Object = objSelectCommand9.ExecuteScalar
    objConnection.Close()

    Dim avialableID2 As String
    avialableID2 = CType(aviID2, String)

    If avialableID2 = "" Then
        MessageBox.Show("Invalid Movie ID!", "Video Rental System -
Exception Message", MessageBoxButtons.OK, MessageBoxIcon.Error)
        txtReserveMovieID.Text = ""
        'txtReserveMovieID.Focus()
    End If

    txtReserveTitle.Text = avialableID2

End Sub

Private Sub btnNewReservation_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnNewReservation.Click

    txtReserveMovieID.Text = ""
    txtReserveTitle.Text = ""
    txtReserveCName.Text = ""
    txtCustTel.Text = ""

End Sub

Private Sub btnReturn_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btnReturn.Click

    Dim MovieID As String

```



```

MovieID = txtMovieID.Text

If MovieID.Equals("") Then
    MessageBox.Show("Please fill all the empty text box(s)!",
"Video Rental System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
ElseIf MovieID.Length > 6 Then
    MessageBox.Show("Please check the number of characters
allowed" & vbCrLf & _
    " which is written in yellow background!", "Video Rental
System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    lblMsg5.Text = "Please check the number of characters
allowed which is written in yellow background!"

    lblReturnID.Visible = True
Else

    Dim objSelectCommand As New SqlCommand
    objSelectCommand.Connection = objConnection

    'SELECT command
    objSelectCommand.CommandText = _
    "SELECT ID " & _
    "FROM Rent " & _
    "WHERE ID LIKE '" & MovieID & "';"

    objConnection.Open()
    Dim ObjMovieID As Object = objSelectCommand.ExecuteScalar

    Dim avialableMovieID As String
    avialableMovieID = CType(ObjMovieID, String)
    objConnection.Close()

    'If avialableMovieID.Equals("") Then

    Dim objSelectCommand2 As New SqlCommand
    objSelectCommand2.Connection = objConnection

    'SELECT command
    objSelectCommand2.CommandText = _
    "SELECT Returned " & _
    "FROM Rent " & _
    "WHERE ID LIKE '" & MovieID & "';"

    objConnection.Open()
    Dim onceReturned As Object =
objSelectCommand2.ExecuteScalar
    objConnection.Close()

    If onceReturned = False Then
        Dim objUpdateCommand As New SqlCommand
        objUpdateCommand.Connection = objConnection

        'UPDATE statement
        objUpdateCommand.CommandText = _
        "UPDATE Rent " & _

```

```

        "SET Returned = 1 " & _
        "WHERE ID LIKE '" & avialableMovieID & "';"

        objConnection.Open()

        ' Execute the SqlCommand object to insert the new data...
        Try
            objUpdateCommand.ExecuteNonQuery()

            '-----
            ' Checking for Due date
            Dim DateTimePicker1 As New DateTimePicker
            DateTimePicker1.Value = Date.Now

            Dim today As New Date
            today = DateTimePicker1.Value.Date

            Dim objSelectCommand3 As New SqlCommand
            objSelectCommand3.Connection = objConnection

            'SELECT command
            objSelectCommand3.CommandText = _
            "SELECT DateRented " & _
            "FROM Rent " & _
            "WHERE ID LIKE '" & MovieID & "';"

            Dim objDateRented As Object = objSelectCommand3.ExecuteScalar

            Dim strDateRented As String
            strDateRented = CType(objDateRented, String)

            Dim dateRented, properDate As Date
            dateRented = CType(strDateRented, Date)

            properDate = DateAdd(DateInterval.Day, 1, dateRented)

            Dim dueDate, cost As Integer

            If DateDiff(DateInterval.Day, properDate, today) > 0 Then

                dueDate = DateDiff(DateInterval.Day, properDate, today)
                cost = dueDate * 1 ' Actually means nothing

                MessageBox.Show("You owe me " & dueDate & "
USD!", "Video Rental System", MessageBoxButtons.OK,
MessageBoxIcon.Information)
            Else
                MessageBox.Show("No due date!", "Video Rental
System", MessageBoxButtons.OK, MessageBoxIcon.Information)
            End If

            MessageBox.Show("Movie Returned Successfully!!!",
"Video Rental System", MessageBoxButtons.OK,
MessageBoxIcon.Information)

            Catch SqlExceptionErr As SqlException
                MessageBox.Show(SqlExceptionErr.Message)

```

```

        MessageBox.Show("Movie NOT returned!", "Video
Rental System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    End Try

    objConnection.Close()
Else
    MessageBox.Show("The Movie is never out or has been
returned!", "Video Rental System", MessageBoxButtons.OK,
MessageBoxIcon.Error)
End If

'-----
' Checking if the returned movie is reserved

Dim objSelectCommand4 As New SqlCommand
objSelectCommand4.Connection = objConnection

'SELECT command
objSelectCommand4.CommandText = _
"SELECT ID " & _
"FROM Reservation " & _
"WHERE ID LIKE '" & MovieID & "';"

objConnection.Open()
Dim ObjReserved As Object = objSelectCommand4.ExecuteScalar
objConnection.Close()

Dim reservedMovie As String
reservedMovie = CType(ObjReserved, String)
'If reservedMovie.Equals("") Then

Dim objSelectCommand5 As New SqlCommand
objSelectCommand5.Connection = objConnection

'SELECT command
objSelectCommand5.CommandText = _
"SELECT Done " & _
"FROM Reservation " & _
"WHERE ID LIKE '" & MovieID & "';"

objConnection.Open()
Dim doneReserving As Object = objSelectCommand5.ExecuteScalar
objConnection.Close()

If doneReserving = False Then ' If Done in Reservation table is 0

    Dim objSelectCommand6 As New SqlCommand
    objSelectCommand6.Connection = objConnection

    'SELECT command ' select all - id, title,...
    objSelectCommand6.CommandText = _
    "SELECT CustomerName " & _
    "FROM Reservation " & _
    "WHERE ID LIKE '" & MovieID & "';"

```

```

        objConnection.Open()
Dim ObjCustomer As Object = objSelectCommand6.ExecuteScalar
        objConnection.Close()

Dim customer As String
customer = CType(ObjCustomer, String)

MsgBox("This movie is RESERVED to " & customer)

Dim objUpdateCommand2 As New SqlCommand
objUpdateCommand2.Connection = objConnection

'UPDATE statement ' Set Done to 1 to show
that it is not reserved anymore
objUpdateCommand2.CommandText = _
"UPDATE Reservation " & _
"SET Done = 1 " & _
"WHERE ID LIKE '" & reservedMovie & "';"

objConnection.Open()

' Execute the SqlCommand object to insert the new data...
Try
    objUpdateCommand2.ExecuteNonQuery()
Catch SqlExceptionErr As SqlException
    MessageBox.Show(SqlExceptionErr.Message)
    MessageBox.Show("Movie NOT DELETED FROM
RESERVATION!!", "Video Rental System - Exception Message",
MessageBoxButtons.OK, MessageBoxIcon.Error)
End Try

objConnection.Close()
End If
End If ' ends the if at the beginning of frmReturn_click

End Sub

Private Sub btnNewReturn_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles btnNewReturn.Click

    txtMovieID.Text = ""

End Sub

Private Sub btnShowRevenue_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnShowRevenue.Click

Dim selectedDate As Date
selectedDate = dtpRevenueDate.Value.Date

Dim objSelectCommand As New SqlCommand
objSelectCommand.Connection = objConnection

'SELECT command
objSelectCommand.CommandText = _
"SELECT Count(DateRented) " & _
"FROM Rent " & _

```

```

"WHERE DateRented = '" & selectedDate & "';"

objConnection.Open()
Dim ObjDate As Object = objSelectCommand.ExecuteScalar
objConnection.Close()

Dim noOfDate As Integer
noOfDate = CType(ObjDate, Integer)

If noOfDate <> 0 Then
    Dim rvn As Integer
    rvn = noOfDate * 1          ' 1 is money per movie

    MessageBox.Show("In the date " & selectedDate & ", " &
noOfDate & " movies were rented."
                    & vbCrLf & "And " & rvn & " Birr is
recieved. ", "Video Rental System"
                    , MessageBoxButtons.OK,
MessageBoxIcon.Information)

' .....,
' Declare and Initialize a new instance of the DataSet object...
    Dim objDataSet2 As New DataSet

    Dim selectDataAdaptor2 As New SqlDataAdapter
    selectDataAdaptor2.SelectCommand = New SqlCommand

    selectDataAdaptor2.SelectCommand.Connection = objConnection

    selectDataAdaptor2.SelectCommand.CommandText = _
("SELECT * FROM Rent WHERE DateRented = '" & selectedDate & "';")
    'ID, Title, CustomerName, Paid
    selectDataAdaptor2.Fill(objDataSet2, "RevenueSearch")
    selectDataAdaptor2.AcceptChangesDuringFill = True

    grdRevenue.DataSource = objDataSet2
    grdRevenue.DataMember = "RevenueSearch"

    'If grdRevenue.RowCount = 0 Then
    '    MessageBox.Show("The customer has never rented a
movie!", "Video Rental System - Search Exception",
MessageBoxButtons.OK, MessageBoxIcon.Error)
    'End If

Else
    MessageBox.Show("No movie is rented in " & selectedDate,
"Video Rental System" _
                    , MessageBoxButtons.OK,
MessageBoxIcon.Information)
End If

End Sub

Private Sub btnGo_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnGo.Click

```

```

Dim searchContent As String = txtSearchCustomer.Text

' Initialize a new instance of the DataSet object...
objDataSet = New DataSet()

Dim selectDataAdaptor As New SqlDataAdapter
selectDataAdaptor.SelectCommand = New SqlCommand

selectDataAdaptor.SelectCommand.Connection = objConnection

selectDataAdaptor.SelectCommand.CommandText = _
("SELECT Title, DateRented FROM Rent WHERE CustomerName like '"
& searchContent & "'")

selectDataAdaptor.Fill(objDataSet, "CustomerSearch")
selectDataAdaptor.AcceptChangesDuringFill = True

'grdCust.c = 100

grdCust.DataSource = objDataSet
grdCust.DataMember = "CustomerSearch"

If grdCust.RowCount = 0 Then
    MessageBox.Show("The customer has never rented a movie!",
"Video Rental System - Search Exception", MessageBoxButtons.OK,
MessageBoxIcon.Error)
End If

End Sub

Private Sub btnCustRefresh_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnCustRefresh.Click

    txtSearchCustomer.Text = ""
    grdCust.DataSource = Nothing
    grdCust.DataMember = Nothing

End Sub

Private Sub btnGoSearchAvi_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnGoSearchAvi.Click

    Dim searchContent As String = txtSearchAvi.Text

    Dim selectDataAdaptor As New SqlDataAdapter
    selectDataAdaptor.SelectCommand = New SqlCommand

    selectDataAdaptor.SelectCommand.Connection = objConnection

    Dim searchBy As String
    searchBy = cboSearchAvi.Text

    If (searchBy.Equals("Title")) Then
        selectDataAdaptor.SelectCommand.CommandText = _
("SELECT ID, Title, CustomerName, DateRented FROM Rent
WHERE Title like '" & searchContent & "' AND Returned = 0")
    ElseIf (searchBy.Equals("ID")) Then

```

```

        selectDataAdaptor.SelectCommand.CommandText = _
        ("SELECT ID, Title, CustomerName, DateRented FROM Rent
WHERE ID like '" & searchContent & "' AND Returned = 0")
    Else
        MessageBox.Show("Please check the Search By!", "Video
Rental System - Search Exception", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    End If

    selectDataAdaptor.Fill(objDataSet, "MoviesSearchAvi")
    selectDataAdaptor.AcceptChangesDuringFill = True

    grdSearchAvi.DataSource = objDataSet
    grdSearchAvi.DataMember = "MoviesSearchAvi"

    If grdSearchAvi.RowCount = 0 Then
        MessageBox.Show("The movie is avialable or not in the store
at all!", "Video Rental System - Search Exception",
MessageBoxButtons.OK, MessageBoxIcon.Error)
        Call btnRefresh_Click(Nothing, Nothing)
    Else
        MessageBox.Show("The movie is RENTED!", "Video Rental
System", MessageBoxButtons.OK, MessageBoxIcon.Information)
    End If

End Sub

Private Sub btnRefreshAvi_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnRefreshAvi.Click

    txtSearchMovie.Text = ""
    frmHome_Load(Nothing, Nothing)

End Sub

Private Sub btnDeleteMovie_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnDeleteMovie.Click

    Dim i As Integer
    Dim deleteID As String

    i = grdMovies.CurrentRow.Index
    deleteID = grdMovies.Item(0, i).Value

    Dim objDeleteCommand As New SqlCommand
    objDeleteCommand.Connection = objConnection

    Dim answer As DialogResult
    answer = MessageBox.Show(Me, "Are you sure you want to delete
user '" & deleteID & "?", "Video Rental System - CONFIRMATION
MESSAGE", MessageBoxButtons.YesNo, MessageBoxIcon.Information)

    If answer.ToString.Equals("Yes") Then

        objDeleteCommand.CommandText = _
        "DELETE " & _
        "FROM Movie " & _

```



```

        "WHERE ID = '" & deleteID & "';"

        objConnection.Open()

        ' Execute the SqlCommand object to insert the new data...
        Try
            objDeleteCommand.ExecuteNonQuery()
            MessageBox.Show("Movie information deleted
Successfully!!!", "Video Rental System", MessageBoxButtons.OK,
MessageBoxIcon.Information)
            objConnection.Close()
            Call btnRefresh_Click(Nothing, Nothing)
        Catch SqlExceptionErr As SqlException
            MessageBox.Show(SqlExceptionErr.Message)
            MessageBox.Show("Movie information NOT deleted!",
"Video Rental System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
        End Try

        objConnection.Close()
    End If

End Sub

Private Sub btnMovieRateGo_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnMovieRateGo.Click

    Dim searchContent As String = txtMovieRateSearch.Text

    ' Initialize a new instance of the DataSet object...
    objDataSet = New DataSet()

    Dim selectDataAdaptor As New SqlDataAdapter
    selectDataAdaptor.SelectCommand = New SqlCommand

    selectDataAdaptor.SelectCommand.Connection = objConnection

    Dim searchBy As String
    searchBy = cboMovieRateSearchBy.Text

    If (searchBy.Equals("Title")) Then
        selectDataAdaptor.SelectCommand.CommandText = _
        ("SELECT ID, Title, DateRented, CustomerName FROM Rent
WHERE Title like '" & searchContent & "'")
    ElseIf (searchBy.Equals("ID")) Then
        selectDataAdaptor.SelectCommand.CommandText = _
        ("SELECT ID, Title, DateRented, CustomerName FROM Rent WHERE
ID like '" & searchContent & "'")
    Else
        MessageBox.Show("Please check the Search By!", "Video
Rental System - Search Exception", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    End If

    selectDataAdaptor.Fill(objDataSet, "MovieRateSearch")
    selectDataAdaptor.AcceptChangesDuringFill = True

```

```

        'grdCust.c = 100

        grdMovieRate.DataSource = objDataSet
        grdMovieRate.DataMember = "MovieRateSearch"

        Dim j As Integer
        j += grdMovieRate.RowCount

        lblNoOfTimes.Text = "The movie is rented " & j & " number of
times."

        If grdMovieRate.RowCount = 0 Then
            MessageBox.Show("The movie has never been rented!", "Video
Rental System - Search Exception", MessageBoxButtons.OK,
MessageBoxIcon.Error)
        End If

    End Sub

    Private Sub btnMovieRateRefresh_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
btnMovieRateRefresh.Click

        txtMovieRateSearch.Text = ""
        grdMovieRate.DataSource = Nothing
        grdMovieRate.DataMember = Nothing

    End Sub

    Private Sub btnTotalRevenue_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnTotalRevenue.Click

        Dim begDate, endDate As Date
        begDate = dtpBegDate.Value.Date
        endDate = dtpEndDate.Value.Date

        Dim objSelectCommand As New SqlCommand
        objSelectCommand.Connection = objConnection

        'SELECT command
        objSelectCommand.CommandText = _
        "SELECT Count(DateRented) " & _
        "FROM Rent " & _
        "WHERE DateRented > '" & begDate & "' AND DateRented < '" &
endDate & "';"

        objConnection.Open()
        Dim ObjBEDate As Object = objSelectCommand.ExecuteScalar
        objConnection.Close()

        Dim noOfBEDate As Integer
        noOfBEDate = CType(ObjBEDate, Integer)

        If noOfBEDate <> 0 Then
            Dim rvn As Integer
            rvn = noOfBEDate * 1          ' 1 is money per movie

```

```

        MessageBox.Show("Between the dates " & begDate & " and " &
endDate & " , " & noOfBEDate & " movies were rented." &
        & vbCrLf & "And " & rvn & " Birr is
recieved. ", "Video Rental System"
        , MessageBoxButtons.OK,
MessageBoxIcon.Information)

' .....
' Declare and Initialize a new instance of the DataSet object...
    Dim objDataSet6 As New DataSet

    Dim selectDataAdaptor6 As New SqlDataAdapter
    selectDataAdaptor6.SelectCommand = New SqlCommand

    selectDataAdaptor6.SelectCommand.Connection = objConnection

    selectDataAdaptor6.SelectCommand.CommandText = _
        ("SELECT * FROM Rent WHERE DateRented > '" & begDate & "'
AND DateRented < '" & endDate & "';")

    selectDataAdaptor6.Fill(objDataSet6, "BERevenueSearch")
    selectDataAdaptor6.AcceptChangesDuringFill = True

    grdRevenue.DataSource = objDataSet6
    grdRevenue.DataMember = "BERevenueSearch"

    'If grdRevenue.RowCount = 0 Then
    '    MessageBox.Show("The customer has never rented a
movie!", "Video Rental System - Search Exception",
MessageBoxButtons.OK, MessageBoxIcon.Error)
    'End If

    Else
        MessageBox.Show("No movie is rented between " & begDate & "
and " & endDate, "Video Rental System"
        , MessageBoxButtons.OK,
MessageBoxIcon.Information)
    End If

End Sub

Private Sub btnCreateUser_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnCreateUser.Click

    frmCreateUserAccount.Show()
    Me.Close()

End Sub

Private Sub btnChange_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btnChange.Click

    frmChangePassword.Show()
    Me.Close()

```

```

End Sub

Private Sub btnHelp_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnHelp.Click

    frmHelp.Show()
    'Me.StartPosition = FormStartPosition.Manual
    'Dim i As Integer = Me.Location.X '= (-301) '., +100) ' =
100,100
    'Me.Location.Y = i

End Sub
Private Sub btnLogOff_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btnLogOff.Click

    VideoRentalSystem.frmUserLogin.frmUserLogin_Load(Nothing,
Nothing)
    VideoRentalSystem.frmUserLogin.Show()
    VideoRentalSystem.frmUserLogin.txtPassword.Text = ""
    Me.Close()

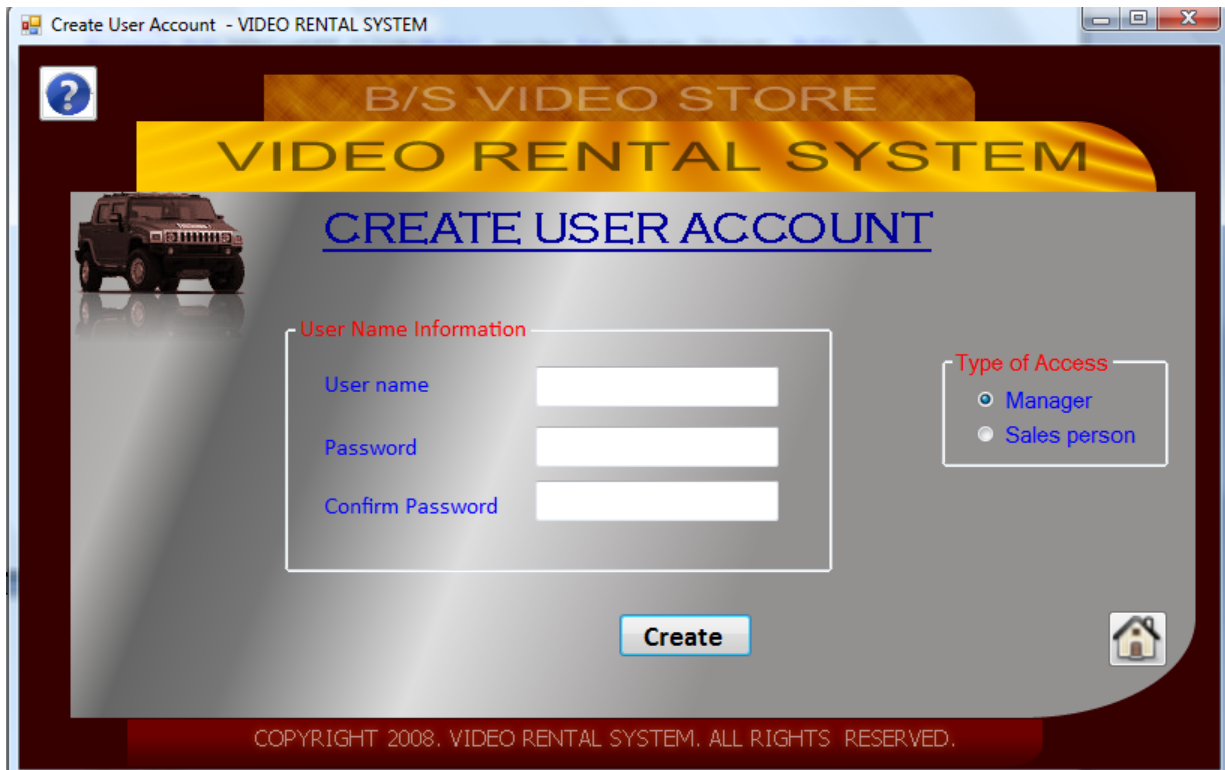
End Sub

'Private Sub help()
'    Dim helpprovider As Help
'    helpprovider.ShowHelp(Me, "C:\Users\Biniam\Documents\Visual
Studio 2005\Projects\VideoRentalSystem\Help\help.htm")
'    ' Display the contents of the help file.
'    'helpprovider.ShowHelp(Me, "c:\myhelpfile.chm")

'End Sub

End Class

```



```
'Import Data and SqlClient namespaces...
Imports System.Data
Imports System.Data.SqlClient

Public Class frmCreateUserAccount

    Dim objConnection As New SqlConnection("Server
=(local);Database=Video_Store; Integrated Security= True;")
    Dim objDataAdaptor As New SqlDataAdapter
    Dim objCommand As New SqlCommand
    Dim userDataSet As DataSet
    Dim objDV As DataView

    Private Sub Create_User_Account_Load(ByVal sender As Object, ByVal
e As System.EventArgs) Handles Me.Load

        txtUserName.Text = ""
        rdbManager.Checked = True

    End Sub

    Private Sub btnCreateUser_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnCreateUser.Click

        Dim userName, Password, confirmPassword, type, rowCount As String
        userName = txtUserName.Text
        Password = txtNewPassword.Text
        confirmPassword = txtConfirmPassword.Text

        If rdbManager.Checked Then
```

```

        type = rdbManager.Text
Else
    type = rdbSalesPerson.Text
End If

If Password.Equals(confirmPassword) Then

    ' Check if the user name is used
    objDataAdapter.SelectCommand = New SqlCommand()
    objDataAdapter.SelectCommand.Connection = objConnection
    objDataAdapter.SelectCommand.CommandText = _
    "SELECT * FROM Users WHERE UserName='" + userName + "';"

    userDataSet = New DataSet()
    objDataAdapter.Fill(userDataSet, "AviUserName")

    'set the dataview object to the dataset object...
    objDV = New DataView(userDataSet.Tables("AviUserName"))

    Dim objDataTable As DataTable

    objDataTable = userDataSet.Tables("AviUserName")
    rowCount = objDataTable.Rows.Count

    ' If no match is found
    If rowCount <> 0 Then
        MessageBox.Show("The user name is avialable. Please use
another user name!", "Video Rental System - Exception Message",
MessageBoxButtons.OK, MessageBoxIcon.Error)
        txtUserName.Text = ""
        txtUserName.Focus()
    Else
        Dim objInsertCommand As New SqlCommand
        objInsertCommand.Connection = objConnection

        'INSERT statement
        objInsertCommand.CommandText = _
        "INSERT INTO Users " & _
        "(UserName, Password,TypeOfUser)" & _
        "VALUES (@userName, @Password, @TypeOfUser);"

        objInsertCommand.Parameters.AddWithValue("@userName", userName)
        objInsertCommand.Parameters.AddWithValue("@Password", Password)
        objInsertCommand.Parameters.AddWithValue("@TypeOfUser", type)

        objConnection.Open()

        ' Execute the SqlCommand object to insert the new data...
        Try
            objInsertCommand.ExecuteNonQuery()
        Catch SqlExceptionErr As SqlException
            MessageBox.Show(SqlExceptionErr.Message)
        End Try

        objConnection.Close()
    End If
End If

```

```

        MessageBox.Show("User Account Created Successfully!!!",
"Video Rental System", MessageBoxButtons.OK,
MessageBoxIcon.Information)
        frmHome.Show()
        Me.Close()
    End If

    Else
        MessageBox.Show("Invalid conformation!", "Video Rental
System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    End If

End Sub

Private Sub btnHome_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnHome.Click

    frmHome.Hide()
    Me.Hide()
    frmHome.Show()

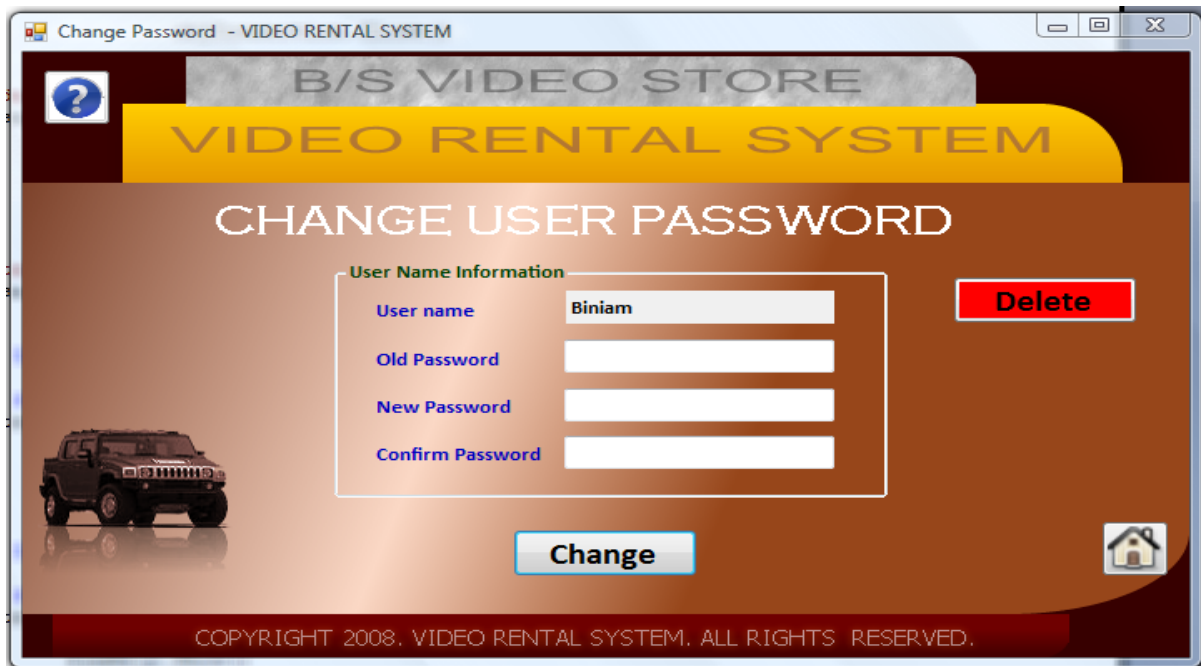
End Sub

Private Sub btnHelp_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnHelp.Click

    frmHelp.Show()
    Me.Close()

End Sub
End Class

```



'Import Data and SqlClient namespaces...


```

Imports System.Data
Imports System.Data.SqlClient

Public Class frmChangePassword

    Dim objConnection As New SqlConnection("Server
=(local);Database=Video_Store; Integrated Security= True;")
    Dim objDataAdapter As New SqlDataAdapter
    Dim objCommand As New SqlCommand
    Dim userDataSet As DataSet
    Dim objDV As DataView

    Private Sub frmChangePassword_Load(ByVal sender As Object, ByVal e
As System.EventArgs) Handles Me.Load

        lblUserName.Text = VideoRentalSystem.frmUserLogin.loginName.Trim

    End Sub

    Private Sub btnChange_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btnChange.Click

        Dim oldPassword, newPassword, confirmPassword, userName,
rowCount As String

        oldPassword = txtOldPassword.Text
        newPassword = txtNewPassword.Text
        confirmPassword = txtConfirmPassword.Text
        userName = lblUserName.Text

        ' Check the old password for authentication
        objDataAdapter.SelectCommand = New SqlCommand()
        objDataAdapter.SelectCommand.Connection = objConnection
        objDataAdapter.SelectCommand.CommandText = _
        "SELECT * from Users where UserName='" + lblUserName.Text +
        "'AND Password='" + oldPassword + "'"

        userDataSet = New DataSet()
        objDataAdapter.Fill(userDataSet, "Users")

        'set the dataview object to the dataset object...
        objDV = New DataView(userDataSet.Tables("Users"))

        Dim objDataTable As DataTable

        objDataTable = userDataSet.Tables("Users")
        rowCount = (objDataTable.Rows.Count - 1)

        ' If no match is found
        If rowCount = -1 Then
            MessageBox.Show("Incorrect old password!")
            txtOldPassword.Text = ""
            txtOldPassword.Focus()
        Else

            If newPassword.Equals(confirmPassword) Then 'new passwords are same

```

```

Dim objUpdateCommand As New SqlCommand
objUpdateCommand.Connection = objConnection

'UPDATE statement
objUpdateCommand.CommandText = _
"UPDATE Users " & _
"SET password = '" & newPassword & "'" & _
"WHERE username ='" & userName & "';"

objConnection.Open()
objUpdateCommand.ExecuteNonQuery()
objConnection.Close()

MessageBox.Show("Passwords successfully changed !!!",
"Video Rental System", MessageBoxButtons.OK,
MessageBoxIcon.Information)
Me.Close()
Else
    MessageBox.Show("Invalid Conformation!", "Video Rental
System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
End If
End If

End Sub

Private Sub btnHome_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnHome.Click

    frmHome.Hide()
    Me.Hide()
    frmHome.Show()

End Sub

Private Sub btnDeleteUser_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles btnDeleteUser.Click

    Dim deleteUser As String
    deleteUser = VideoRentalSystem.frmUserLogin.loginName.Trim

    Dim objDeleteCommand As New SqlCommand
    objDeleteCommand.Connection = objConnection

    Dim answer As DialogResult
    answer = MessageBox.Show(Me, "Are you sure you want to delete
user '" & deleteUser & "'", "Video Rental System - CONFIRMATION
MESSAGE", MessageBoxButtons.YesNo, MessageBoxIcon.Information)

    If answer.ToString.Equals("Yes") Then

        objDeleteCommand.CommandText = _
            "DELETE " & _
            "FROM Users " & _
            "WHERE UserName = '" & deleteUser & "';"

        objConnection.Open()

```

```

        ' Execute the SqlCommand object to insert the new data...
    Try
        objDeleteCommand.ExecuteNonQuery()
        MessageBox.Show("User is deleted Successfully!!!" &
vbCrLf & "Please Log in again a different user.", "Video Rental
System", MessageBoxButtons.OK, MessageBoxIcon.Information)
        frmUserLogin.Show()
        Call frmUserLogin.frmUserLogin_Load(Nothing, Nothing)
        Me.Close()
    Catch SqlExceptionErr As SqlException
        MessageBox.Show(SqlExceptionErr.Message)
        MessageBox.Show("User is NOT deleted!", "Video Rental
System - Exception Message", MessageBoxButtons.OK,
MessageBoxIcon.Error)
    End Try

    objConnection.Close()

End If
End Sub

Private Sub btnHelp_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnHelp.Click

    frmHelp.Show()
    Me.Close()

End Sub
End Class

```