

**HOSPITAL MANAGEMENT SYSTEM**

In partial fulfillment of requirements for degree of BCA

of Panjab University

**Submitted to: Submitted By:**

**Mr. Navneet Golchha SAHIL**

**Roll No - 22047539**

## D.A.V.COLLEGE,ABOHAR

**SESSION 2024-25**

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**DECLARATION**

I hereby declare that the work being presented by me in dissertation “HOSPITAL MANAGEMENT SYSTEM ” in partial fulfillment of the requirements of the award of degree of Bachelor of Computer Applications submitted in the Department of Computer Science & Applications, DAV College, Abohar is an authentic record of my own work carried out by me in the last semester of Bachelor of Computer Applications (B.C.A).

I or anybody else, for the award of any Degree or any Diploma, has not submitted the matter embodied in this Project Report.

SAHIL

# ACKNOWLEDGEMENT

First and foremost, thanks to the Lord, without whose wish nothing can be done in this world. It was his desire for me to complete this project that’s why I have achieved such a task so easily.

I was minnow in the field of programming before I started this project but now when I have completed a project, I have got the confidence of doing such tasks in future too. All this has been possible due to the kind cooperation of my teachers who helped me very much in my project development by giving their precious time and knowledge towards my project. So, I heartily want to thank ***Prof. NAVNEET GOLCHHA*** who taught us the concepts of VB.Net which enabled us to develop this project.

Last but not least thanks to all who helped me in sorting out the problems I faced and analyzing my project.

**SAHIL**

**Roll No. - 22047539**

# CERTIFICATE

THIS IS TO CERTIFY THAT PROJECT REPORT ENTITLED “HOSPITAL MANAGEMENT SYSTEM” SUBMITTED FOR THE AWARD OF DEGREE OF BACHELOR OF COMPUTER APPLICATIONS (BCA) (PANJAB UNIVERSITY, CHANDIGARH) IS A BONAFIDE RESEARCH WORK CARRIED OUT BY *SAHIL* (Univ. Roll No. 22047539) UNDER GUIDANCE AND SUPERVISION OF MR. NAVNEET GOLCHHA. THIS IS AN ORIGINAL PIECE OF WORK AND NO PART OF IT HAS BEEN SUBMITTED FOR ANY OTHER DEGREE OR DIPLOMA.

THE ASSISTANCE AND HELP RECEIVED DURING THE COURSE OF INVESTIGATION HAS BEEN FULLY ACKNOWLEDGED.

HoD: SUPERVISOR:

Dr. Sonika Narang Mr. Navneet Golchha

D.A.V. COLLEGE D.A.V. COLLEGE

ABOHAR ABOHAR

# OBJECTIVE

The objective of developing this project is to make the process of hospital management fast, accurate, and efficient. It is very difficult and time-consuming to handle patient records, OPD payments, receipts, and billing manually. This application helps in managing data related to patients, doctors, lab tests, X-rays, and room allotments efficiently. The system allows easy handling of OPD transactions, maintains patient history, and generates accurate bills for each department including lab tests, X-rays, and room charges. It ensures fast access to patient information and improves overall hospital administration.

### VISUALSTUDIO2022

Microsoft Visual Studio is an integrated development environment(IDE) from Microsoft. It is used to develop console and graphical user interface applications along with Windows Forms or WPF applications, web sites, web applications, and web services in both native code together with managed code for all platforms supported by Microsoft Windows, Windows Mobile, Windows CE, .NET Framework, .NET Compact Framework and Microsoft Silver light. Visual Studio supports different programming languages by means of language services, which allow the code editor and debugger to support (to varying degrees) nearly any programming language, provided a language-specific service exists. Visual Studio also includes a web-site editor and designer that allow web pages to be authored by dragging and dropping widgets. It is used for developing VB.NET application efficiently to get input and output design easiest one. It will be run at windows and application based services are provided to the user.

#### DEVELOPMENT TOOLS AND TECHNOLOGIES

##### VB.NET Version 22.0

This version of Visual Basic.NET runs on .NET framework 4.8. Async Feature, Iterators, Call Hierarchy, Caller Information and Global Keyword in Namespace Statements are some of the major features introduced in this version of VB. Visual Basic .NET (VB.NET) is an object- oriented computer programming language that can be viewed as an evolution of the classic Visual Basic (VB), implemented on the .NET Framework. Microsoft currently supplies two main editions of IDEs for developing in Visual Basic: Microsoft Visual Studio 2022, which is commercial software and Visual Basic Express Edition 2022, which is free of charge. The command-line compiler, VBC.EXE, is installed as part of the freeware .NET Framework SDK. Mono also includes a command-line VB.NET compiler.

Visual Basic® has undergone a significant overhaul to accommodate the CLR and its associated programming model. Consequently, VisualBasic.NET has many new object-oriented design

features and much higher levels of type safety than previous versions of Visual Basic. Either language can be used to write software that takes full advantage of the CLR .NET Framework.

##### ADO.Net

It is an evolutionary, more flexible successor to ADO, a system designed for connected environments, a programming model with advanced XML support, a set of classes, interfaces, structures, and enumerations that manage data access from within the .NET Framework.

DataProviders

* MS SQL Server 7.0+
* Oracle
* OLEDB (old SQL & Access-Jet 4.0)
* Open Database Connectivity (ODBC) – earlier VisualStudio,AccessDriver, ODBC for Oracle

#### BACKEND:MS-ACCESS

Microsoft (MS) Access is a Relational Database Management System(RDBMS) used to store and manipulate large collection of Information of any kind. Here RDBMS refers to the organization of data, in a series of rows and columns in such a manner that any specific piece of Information is available with a click of a mouse and a few key strokes. MS-Access has tools which are easy to use and provide powerful development environment, making it an appropriate choice for novices as well as professionals. For example, Access can be used to enter and maintain student awards, inventory record of a warehouse, telephone numbers. Once the records are stored, any type of queries (questions) can be asked, reports can be created and data entry forms can be designed. At an advanced level, Access can be used for developing custom database applications by employing Access Basic and a Distributing kit for compiling applications.

Good database design ensures that your database is easy to maintain. You store data in tables and each table contains data about only one subject, such as customers. Therefore, you update a particular piece of data, such as an address, in just one place and that change automatically appears throughout the database.

The first step in designing a database is to determine its purpose and how it is to be used:

* Talk to people who will use the database. Brainstorm about the questions you and they would like the database to answer.
* Sketch out the reports you'd like the database to produce.
* Gather the forms you currently use to record your data.
* As you determine the purpose of your database, a list of information you want from the database will begin to emerge. From that, you can determine what facts you need to store in the database and what subject each fact belongs to. These facts correspond to the fields (columns) in your database, and the subjects that those facts belong to correspond to the tables.

**HARDWARE**

**& SOFTWARE**

**REQUIREMENTS**

#### HARDWAREREQUIREMENTS

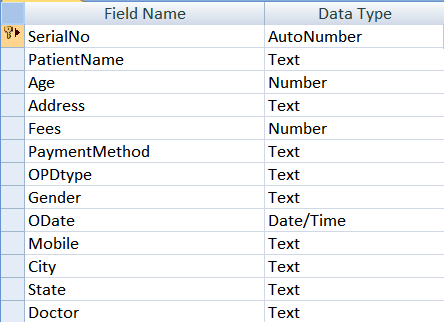
* Intel Pentium4 (1.50 GHZ) or above.
* At least 128GB Hard Disk.
* 1 GB RAM
* Standard 2/3 ButtonMouse
* Key Board
* Color Monitor

#### SOFTWAREREQUIREMENTS

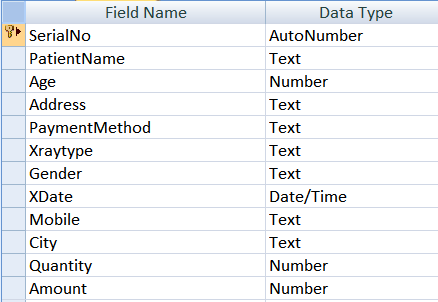
* Windows7/Windows8/Windows 10
* VB.Net version 10.0, .NET framework 4.0
* MS-ACCESS 2007
* ADO.Net

#### DATABASE DESIGN

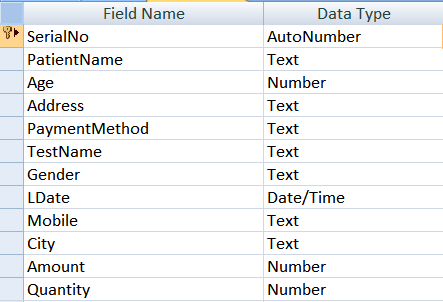
**OPD**



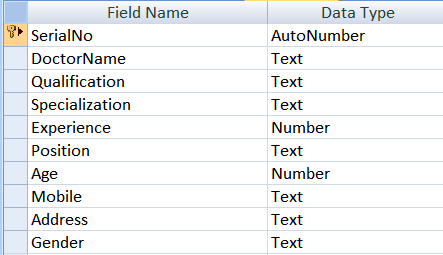
**Xray**



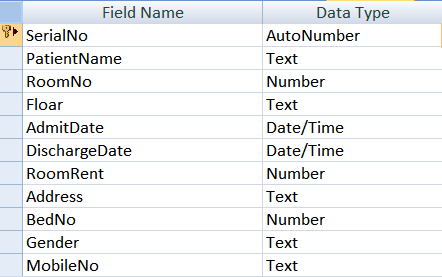
**LabTest**



**Doctor**

****

**Room**

****

## UI & Code

**Welcome**

****

**Public Class Welcome**

**Private Sub Welcome\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**Home.Show()**

**Home.Close()**

**Me.WindowState = FormWindowState.Maximized**

**Me.WindowState = FormWindowState.Maximized**

**End Sub**

**Private Sub btndashboard\_Click\_1(sender As Object, e As EventArgs) Handles btndashboard.Click**

**Home.Show()**

**Home.Close()**

**Start.Show()**

**End Sub**

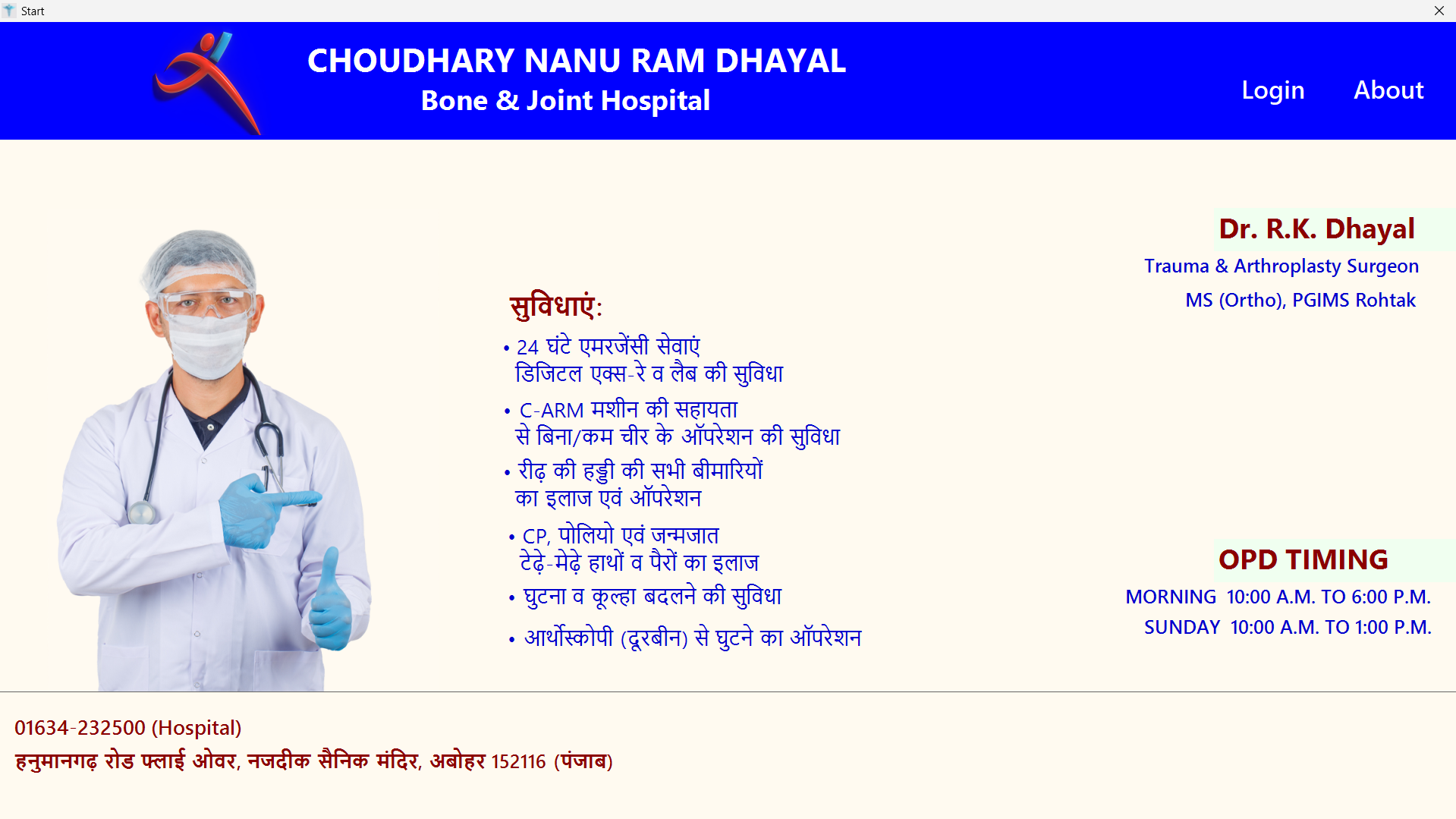
**Private Sub btnexit\_Click(sender As Object, e As EventArgs) Handles btnexit.Click**

**End**

**End Sub**

**End Class**

**Start**

****

**Public Class Start**

**Public Sub LoginToolStripMenuItem1\_Click(sender As System.Object, e As System.EventArgs) Handles LoginToolStripMenuItem1.Click**

**Dim login As New Login()**

**login.Show()**

**End Sub**

**Private Sub About\_Click(sender As System.Object, e As System.EventArgs) Handles About.Click**

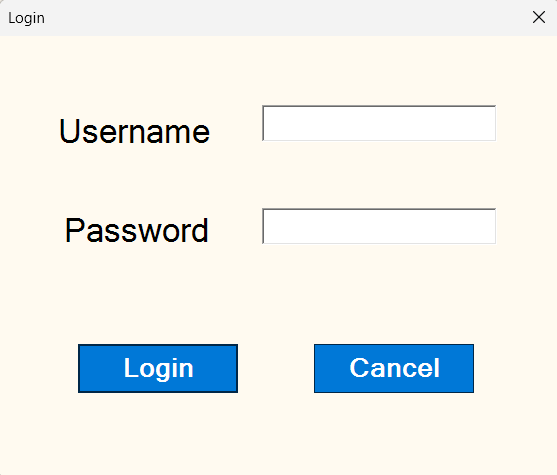
**Dim about As New About()**

**about.Show()**

**End Sub**

**End Class**

**Login**

****

**Public Class Login**

**Public Sub btnlogin\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnlogin.Click**

**Dim user, pass As String**

**user = txtusername.Text**

**pass = txtpassword.Text**

**If (user = "admin" And pass = "admin786") Then**

**Me.Close()**

**Home.Show()**

**Else**

**MsgBox("Invalid Credentials")**

**End If**

**End Sub**

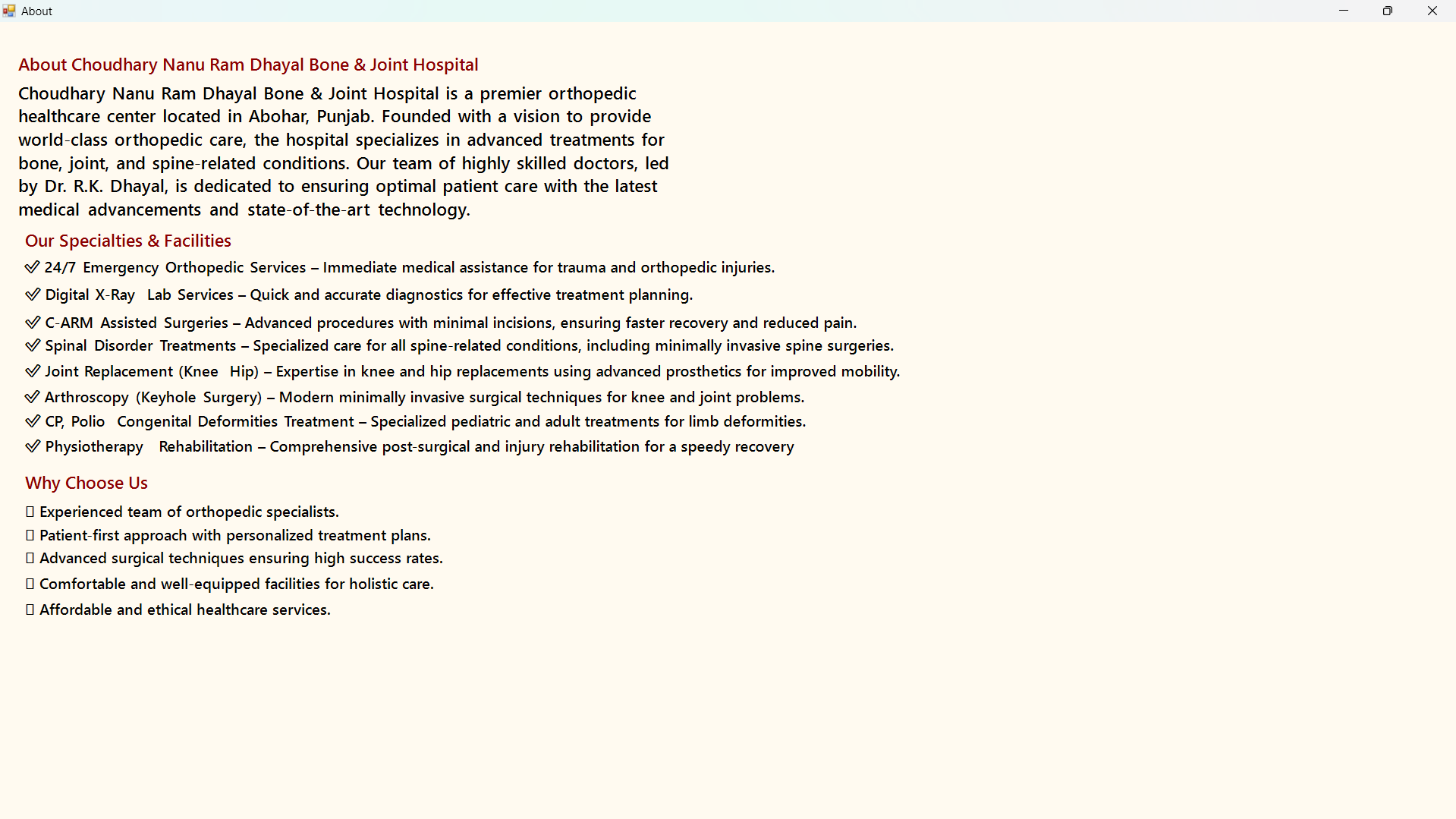
**Public Sub btncancel\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btncancel.Click**

**Me.Close()**

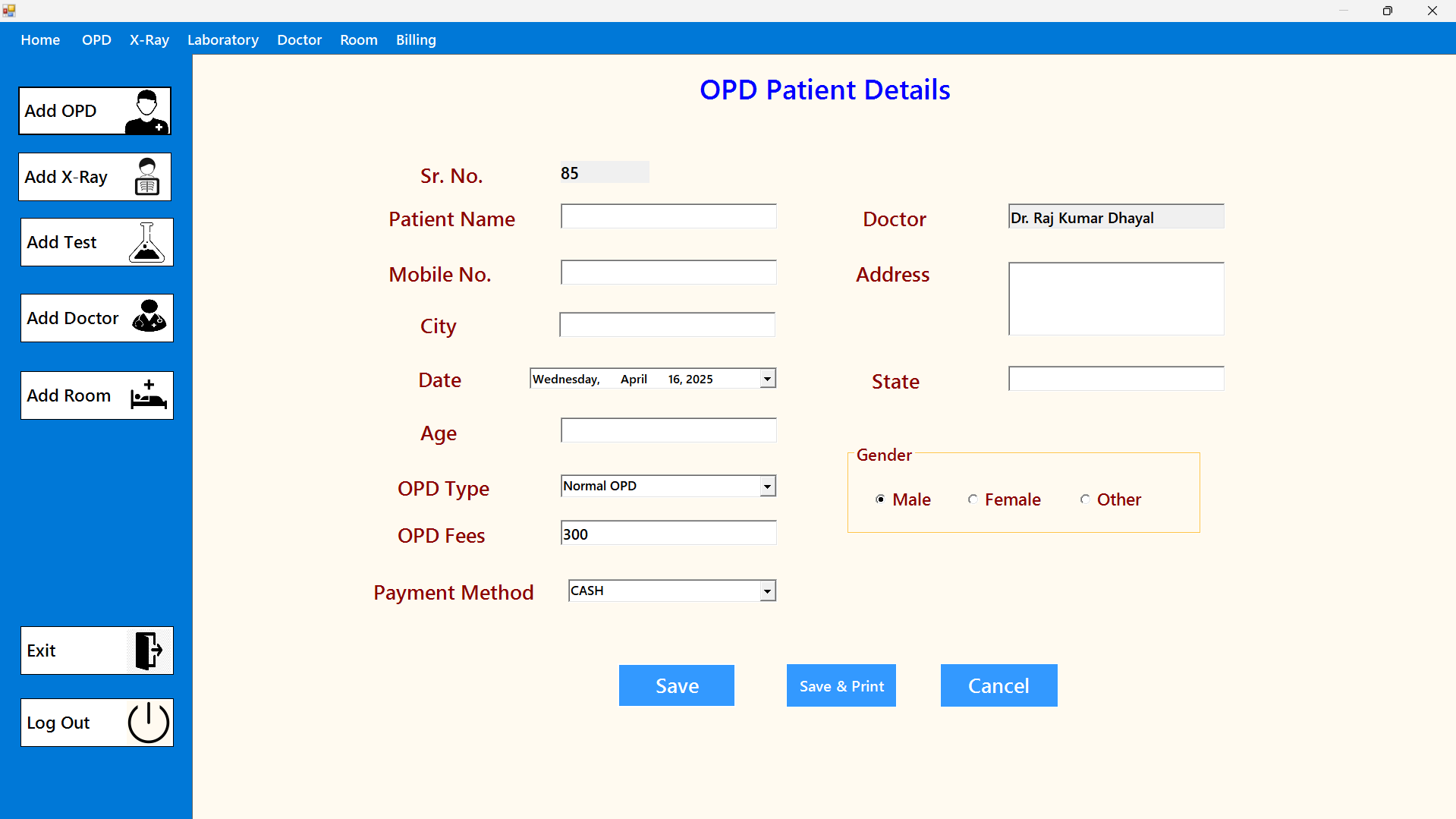
**End Sub**

**End Class**

**About**

****

**Home**

****

**Public Class Home**

**Public Sub LoadForm(form As Form)**

**Panel2.Controls.Clear()**

**form.TopLevel = False**

**form.FormBorderStyle = FormBorderStyle.None**

**form.Dock = DockStyle.None**

**Panel2.Controls.Add(form)**

**form.Show()**

**End Sub**

**Private Sub OPDToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles OPDToolStripMenuItem.Click**

**LoadForm(New OPD)**

**End Sub**

**Private Sub ViewAllOPDToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ViewAllOPDToolStripMenuItem.Click**

**LoadForm(New ViewallOPD)**

**End Sub**

**Private Sub ViewDateWiseOPDToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ViewDateWiseOPDToolStripMenuItem.Click**

**LoadForm(New ViewDate)**

**End Sub**

**Private Sub UpdateOPDToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles UpdateOPDToolStripMenuItem.Click**

**LoadForm(New UpdateOPD)**

**End Sub**

**Private Sub DeleteOPDToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles DeleteOPDToolStripMenuItem.Click**

**LoadForm(New DeleteOPD)**

**End Sub**

**Private Sub AddXRayToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles AddXRayToolStripMenuItem.Click**

**LoadForm(New Xray)**

**End Sub**

**Private Sub Home\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**LoadForm(New OPD)**

**Start.WindowState = FormWindowState.Maximized**

**Me.WindowState = FormWindowState.Maximized**

**End Sub**

**Private Sub btnopd\_Click(sender As Object, e As EventArgs) Handles btnopd.Click**

**LoadForm(New OPD)**

**End Sub**

**Private Sub btnlogout\_Click(sender As Object, e As EventArgs) Handles btnlogout.Click**

**End**

**End Sub**

**Private Sub btnxray\_Click\_1(sender As Object, e As EventArgs) Handles btnxray.Click**

**LoadForm(New Xray)**

**End Sub**

**Private Sub ViewAllXRayToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ViewAllXRayToolStripMenuItem.Click**

**LoadForm(New Viewallxray)**

**End Sub**

**Private Sub ViewDateWiseXRayToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ViewDateWiseXRayToolStripMenuItem.Click**

**LoadForm(New ViewDate2)**

**End Sub**

**Private Sub UpdateXRayToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles UpdateXRayToolStripMenuItem.Click**

**LoadForm(New UpdateXray)**

**End Sub**

**Private Sub DeleteXRayToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles DeleteXRayToolStripMenuItem.Click**

**LoadForm(New DeleteXray)**

**End Sub**

**Private Sub PictureBox1\_Click(sender As Object, e As EventArgs) Handles PictureBox1.Click**

**LoadForm(New OPD)**

**End Sub**

**Private Sub PictureBox2\_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click**

**LoadForm(New Xray)**

**End Sub**

**Private Sub PictureBox4\_Click(sender As Object, e As EventArgs) Handles PictureBox4.Click**

**Me.Close()**

**End Sub**

**Private Sub PictureBox5\_Click(sender As Object, e As EventArgs)**

**Start.Close()**

**End Sub**

**Private Sub btnexit\_Click(sender As Object, e As EventArgs) Handles btnexit.Click**

**Me.Close()**

**End Sub**

**Private Sub AddTestToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles AddTestToolStripMenuItem.Click**

**LoadForm(New labtest)**

**End Sub**

**Private Sub ViewAllTestReportToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ViewAllTestReportToolStripMenuItem.Click**

**LoadForm(New ViewallTest)**

**End Sub**

**Private Sub ViewDateWiseTestReportToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ViewDateWiseTestReportToolStripMenuItem.Click**

**LoadForm(New ViewDate3)**

**End Sub**

**Private Sub UpdateTestReportToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles UpdateTestReportToolStripMenuItem.Click**

**LoadForm(New UpdateTest)**

**End Sub**

**Private Sub RemoveTestReportToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles RemoveTestReportToolStripMenuItem.Click**

**LoadForm(New DeleteTest)**

**End Sub**

**Private Sub btnlaboratory\_Click(sender As Object, e As EventArgs) Handles btnlaboratory.Click**

**LoadForm(New labtest)**

**End Sub**

**Private Sub PictureBox3\_Click(sender As Object, e As EventArgs) Handles PictureBox3.Click**

**LoadForm(New labtest)**

**End Sub**

**Private Sub AddDoctorToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles AddDoctorToolStripMenuItem.Click**

**LoadForm(New AddDoctor)**

**End Sub**

**Private Sub RemoveDoctorToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles RemoveDoctorToolStripMenuItem.Click**

**LoadForm(New ViewDoctor)**

**End Sub**

**Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click**

**LoadForm(New AddDoctor)**

**End Sub**

**Private Sub PictureBox6\_Click(sender As Object, e As EventArgs) Handles PictureBox6.Click**

**LoadForm(New AddDoctor)**

**End Sub**

**Private Sub OPDBillingToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles OPDBillingToolStripMenuItem.Click**

**LoadForm(New OPDBilling)**

**End Sub**

**Private Sub XRayBillingToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles XRayBillingToolStripMenuItem.Click**

**LoadForm(New XrayBilling)**

**End Sub**

**Private Sub LabTestBillingToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles LabTestBillingToolStripMenuItem.Click**

**LoadForm(New LabTestBilling)**

**End Sub**

**Private Sub AddRoomToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles AddRoomToolStripMenuItem.Click**

**LoadForm(New AddRoom)**

**End Sub**

**Private Sub VIewAllRoomToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ViewAllRoomToolStripMenuItem.Click**

**LoadForm(New ViewAllRoom)**

**End Sub**

**Private Sub ViewDateWiseRoomToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ViewDateWiseRoomToolStripMenuItem.Click**

**LoadForm(New ViewDate4)**

**End Sub**

**Private Sub UpdateRoomToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles UpdateRoomToolStripMenuItem.Click**

**LoadForm(New Updateroom)**

**End Sub**

**Private Sub DeleteRoomToolStripMenuItem1\_Click(sender As Object, e As EventArgs) Handles DeleteRoomToolStripMenuItem1.Click**

**LoadForm(New DeleteRoom)**

**End Sub**

**Private Sub RoomBillingToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles RoomBillingToolStripMenuItem.Click**

**LoadForm(New RoomBilling)**

**End Sub**

**Private Sub HomeToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles HomeToolStripMenuItem.Click**

**Panel2.Controls.Clear()**

**Me.Refresh()**

**End Sub**

**Private Sub PictureBox7\_Click(sender As Object, e As EventArgs) Handles PictureBox7.Click**

**LoadForm(New AddRoom)**

**End Sub**

**End Class**

##### OPD

##### 

**Public Class OPD**

**Dim conn As New OleDb.OleDbConnection**

**Dim cmd As OleDb.OleDbCommand**

**Dim lastSrNo As Integer**

**Private Sub OPD\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**cmd = New OleDb.OleDbCommand("SELECT MAX(SerialNo) FROM OPD", conn)**

**Dim result As Object = cmd.ExecuteScalar()**

**If IsDBNull(result) OrElse result Is Nothing Then**

**lastSrNo = 1**

**Else**

**lastSrNo = CInt(result) + 1**

**End If**

**txtSerial.Text = lastSrNo.ToString()**

**ComboBoxopdtype.SelectedItem = "Normal OPD"**

**ComboBoxpaymentmethod.SelectedItem = "CASH"**

**rbtnmale.Checked = True**

**txtfees.Text = "300"**

**End Sub**

**Private Sub btnsave\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnsave.Click**

**If txtpatientname.Text.Length = 0 Or txtage.TextLength = 0 Or**

**txtaddress.Text.Length = 0 Or txtfees.Text.Length = 0 Or ComboBoxpaymentmethod.Text.Length = 0 Or**

**ComboBoxopdtype.Text.Length = 0 Or txtcity.Text.Length = 0 Or txtstate.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory")**

**Exit Sub**

**ElseIf Not IsNumeric(txtmobile.Text) Or txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.")**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtfees.Text) Then**

**MsgBox("Fees must be a positive numeric value")**

**txtfees.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) Then**

**MsgBox("Age must be a numeric value.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**If CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be less than or equal to 105.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim odate As String = OPDDate.Value.ToString()**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim sql As String = "INSERT INTO OPD (SerialNo, PatientName, Age, Address, Fees, PaymentMethod, OPDtype, Gender, ODate, Mobile, City, State, Doctor) " &**

**"VALUES (" & lastSrNo & ", '" & txtpatientname.Text & "'," & CInt(txtage.Text) & ", '" & txtaddress.Text & "', " & CInt(txtfees.Text) & ", '" &**

**ComboBoxpaymentmethod.Text & "', '" & ComboBoxopdtype.Text & "', '" & gender & "', #" & odate & "#, '" &**

**txtmobile.Text & "', '" & txtcity.Text & "', '" & txtstate.Text & "', '" & txtdoctor.Text & "')"**

**cmd = New OleDb.OleDbCommand(sql, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Entry Saved Successfully!")**

**txtpatientname.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**txtcity.Clear()**

**txtmobile.Clear()**

**txtstate.Clear()**

**txtfees.Clear()**

**ComboBoxopdtype.SelectedIndex = -1**

**ComboBoxpaymentmethod.SelectedIndex = -1**

**rbtnmale.Checked = True**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**lastSrNo = CInt(lastSrNo) + 1**

**txtSerial.Text = lastSrNo.ToString()**

**ComboBoxopdtype.SelectedItem = "Normal OPD"**

**ComboBoxpaymentmethod.SelectedItem = "CASH"**

**rbtnmale.Checked = True**

**txtfees.Text = "300"**

**If conn.State = ConnectionState.Open Then**

**conn.Close()**

**End If**

**OPD\_Load(sender, e)**

**End Sub**

**Private Sub btncancel\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btncancel.Click**

**txtpatientname.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**txtcity.Clear()**

**txtmobile.Clear()**

**txtstate.Clear()**

**txtfees.Clear()**

**ComboBoxopdtype.SelectedIndex = -1**

**ComboBoxpaymentmethod.SelectedIndex = -1**

**rbtnmale.Checked = True**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**Me.Close()**

**End Sub**

**Private Sub btnsaveprint\_Click(sender As Object, e As EventArgs) Handles btnsaveprint.Click**

**If txtpatientname.Text.Length = 0 Or txtage.TextLength = 0 Or**

**txtaddress.Text.Length = 0 Or txtfees.Text.Length = 0 Or ComboBoxpaymentmethod.Text.Length = 0 Or**

**ComboBoxopdtype.Text.Length = 0 Or txtcity.Text.Length = 0 Or txtstate.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory")**

**Exit Sub**

**ElseIf Not IsNumeric(txtmobile.Text) Or txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.")**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtfees.Text) Then**

**MsgBox("Fees must be a positive numeric value")**

**txtfees.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) Then**

**MsgBox("Age must be a numeric value.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**If CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be less than or equal to 105.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim odate As String = OPDDate.Value.ToString()**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim sql As String = "INSERT INTO OPD (SerialNo, PatientName, Age, Address, Fees, PaymentMethod, OPDtype, Gender, ODate, Mobile, City, State, Doctor) " &**

**"VALUES (" & lastSrNo & ", '" & txtpatientname.Text & "'," & CInt(txtage.Text) & ", '" & txtaddress.Text & "', " & CInt(txtfees.Text) & ", '" &**

**ComboBoxpaymentmethod.Text & "', '" & ComboBoxopdtype.Text & "', '" & gender & "', #" & odate & "#, '" &**

**txtmobile.Text & "', '" & txtcity.Text & "', '" & txtstate.Text & "', '" & txtdoctor.Text & "')"**

**cmd = New OleDb.OleDbCommand(sql, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Entry Saved Successfully!")**

**Dim billForm As New BillForm(lastSrNo)**

**Home.LoadForm(billForm)**

**End Sub**

**End Class**

**ViewAllOPD**

****

**Public Class ViewallOPD**

**Dim conn As New OleDb.OleDbConnection**

**Dim da As OleDb.OleDbDataAdapter**

**Dim dt As DataTable**

**Dim cb As OleDb.OleDbCommandBuilder**

**Private Sub Viewall\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

**Me.WindowState = FormWindowState.Maximized**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim Sql As String = "SELECT SerialNo, PatientName, Age, Address, Fees, PaymentMethod, OPDtype, Gender, FORMAT(ODate, 'dd/MM/yyyy') AS OPD\_Date, Mobile, City, State, Doctor FROM OPD ORDER BY SerialNo ASC"**

**da = New OleDb.OleDbDataAdapter(Sql, conn)**

**cb = New OleDb.OleDbCommandBuilder(da)**

**dt = New DataTable**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**Dim totalCmd As New OleDb.OleDbCommand("SELECT COUNT(\*) FROM OPD", conn)**

**Dim totalOPDCount As Integer = CInt(totalCmd.ExecuteScalar())**

**totalopd.Text = totalOPDCount.ToString()**

**Dim feesCmd As New OleDb.OleDbCommand("SELECT SUM(Fees) FROM OPD", conn)**

**Dim totalFees As Object = feesCmd.ExecuteScalar()**

**Dim onlineCmd As New OleDb.OleDbCommand("SELECT SUM(Fees) FROM OPD WHERE PaymentMethod IN ('UPI')", conn)**

**Dim onlineTotal As Object = onlineCmd.ExecuteScalar()**

**Dim cashCmd As New OleDb.OleDbCommand("SELECT SUM(Fees) FROM OPD WHERE PaymentMethod = 'CASH'", conn)**

**Dim cashTotal As Object = cashCmd.ExecuteScalar()**

**If IsDBNull(totalFees) Then**

**grandtotal.Text = "0"**

**Else**

**grandtotal.Text = totalFees.ToString()**

**End If**

**If IsDBNull(onlineTotal) Then**

**totalonline.Text = "0"**

**Else**

**totalonline.Text = onlineTotal.ToString()**

**End If**

**If IsDBNull(cashTotal) Then**

**totalcash.Text = "0"**

**Else**

**totalcash.Text = cashTotal.ToString()**

**End If**

**End Sub**

**End Class**

##### ViewDate

##### 

**Public Class ViewDate**

**Public Sub btnshow\_Click\_1(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnshow.Click**

**Dim date1 As String = DateTimePicker1.Value.ToString("MM/dd/yyyy")**

**Dim date2 As String = DateTimePicker2.Value.ToString("MM/dd/yyyy")**

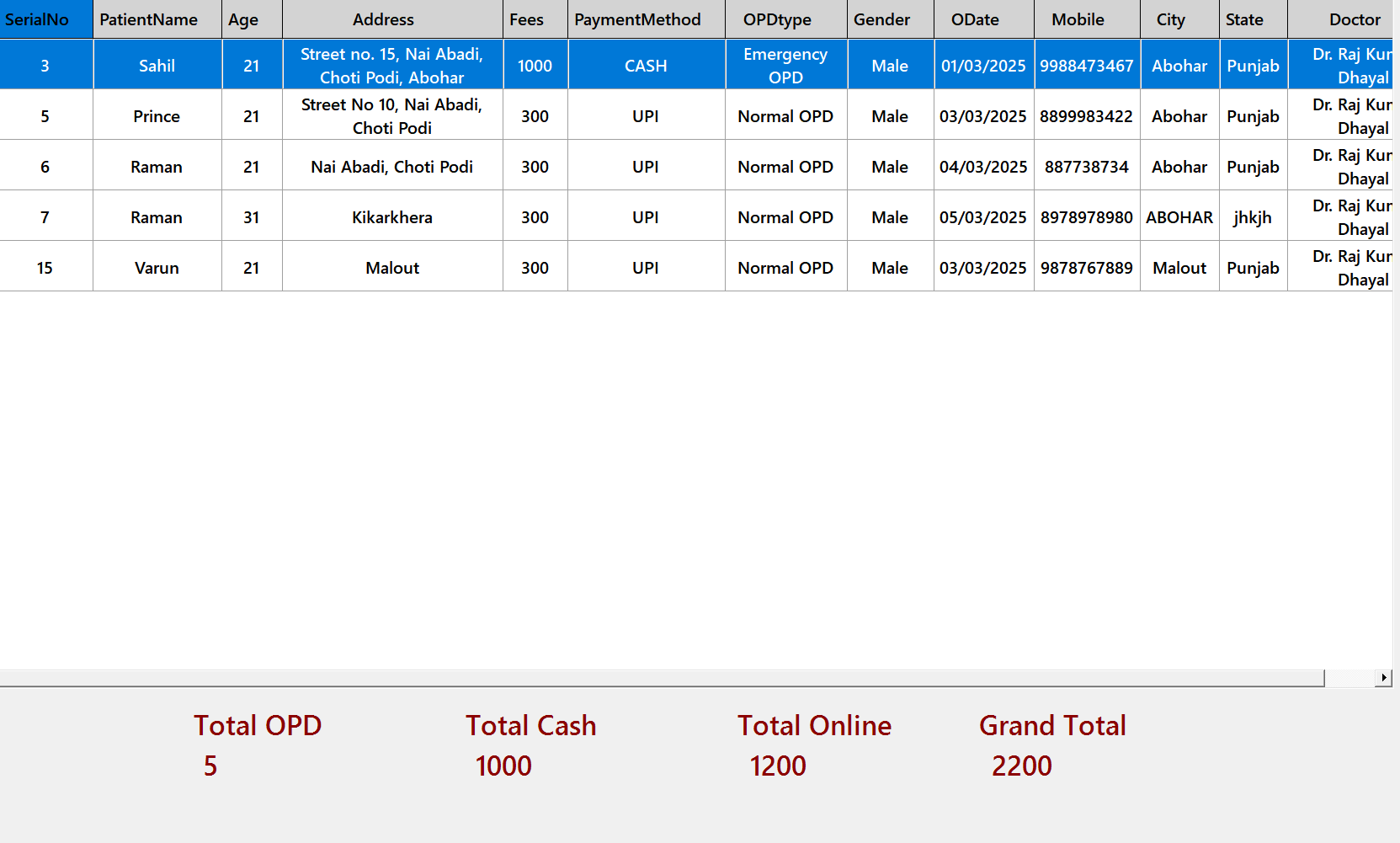
**Dim Datewise As New DatewiseData(date1, date2)**

**Home.LoadForm(Datewise)**

**End Sub**

**End Class**

**DatewiseOPD**

****

**Imports System.Data.OleDb**

**Public Class DatewiseOPD**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim startDateFormatted As String**

**Dim endDateFormatted As String**

**Public Sub New(ByVal date1 As String, ByVal date2 As String)**

**InitializeComponent()**

**startDateFormatted = date1**

**endDateFormatted = date2**

**End Sub**

**Private Sub DatewiseOPD\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

**Me.WindowState = FormWindowState.Maximized**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim sql As String = "SELECT SerialNo, PatientName, Age, Address, Fees, PaymentMethod, OPDtype, Gender, FORMAT(ODate, 'dd/MM/yyyy') AS ODate, Mobile, City, State, Doctor FROM OPD WHERE DateValue(ODate) >= #" & startDateFormatted & "# AND DateValue(ODate) <= #" & endDateFormatted & "# ORDER BY SerialNo ASC"**

**da = New OleDbDataAdapter(sql, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**If dt.Rows.Count > 0 Then**

**DataGridViewopd.DataSource = dt**

**Else**

**MsgBox("No records found for the selected date range.", MsgBoxStyle.Information)**

**End If**

**Dim totalCmd As New OleDbCommand("SELECT COUNT(\*) FROM OPD WHERE DateValue(ODate) >= #" & startDateFormatted & "# AND DateValue(ODate) <= #" & endDateFormatted & "#", conn)**

**totalopd.Text = totalCmd.ExecuteScalar().ToString()**

**Dim feesCmd As New OleDbCommand("SELECT SUM(Fees) FROM OPD WHERE DateValue(ODate) >= #" & startDateFormatted & "# AND DateValue(ODate) <= #" & endDateFormatted & "#", conn)**

**Dim totalFees As Object = feesCmd.ExecuteScalar()**

**Dim onlineCmd As New OleDbCommand("SELECT SUM(Fees) FROM OPD WHERE PaymentMethod = 'UPI' AND DateValue(ODate) >= #" & startDateFormatted & "# AND DateValue(ODate) <= #" & endDateFormatted & "#", conn)**

**Dim onlineTotal As Object = onlineCmd.ExecuteScalar()**

**Dim cashCmd As New OleDbCommand("SELECT SUM(Fees) FROM OPD WHERE PaymentMethod = 'CASH' AND DateValue(ODate) >= #" & startDateFormatted & "# AND DateValue(ODate) <= #" & endDateFormatted & "#", conn)**

**Dim cashTotal As Object = cashCmd.ExecuteScalar()**

**If IsDBNull(totalFees) Then**

**grandtotal.Text = "0"**

**Else**

**grandtotal.Text = totalFees.ToString()**

**End If**

**If IsDBNull(onlineTotal) Then**

**totalonline.Text = "0"**

**Else**

**totalonline.Text = onlineTotal.ToString()**

**End If**

**If IsDBNull(cashTotal) Then**

**totalcash.Text = "0"**

**Else**

**totalcash.Text = cashTotal.ToString()**

**End If**

**End Sub**

**End Class**

##### UpdateOPD

##### 

**Imports System.Data.OleDb**

**Public Class UpdateOPD**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub btnsearch\_Click(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, OPDtype, Fees, PaymentMethod, FORMAT(ODate, 'dd/MM/yyyy') AS ODate, City, State, Doctor FROM OPD WHERE 1=1"**

**If txtserial.Text.Trim() <> "" Then**

**query &= " AND SerialNo = " & txtserial.Text.Trim()**

**End If**

**If txtpatientname.Text.Trim() <> "" Then**

**query &= " AND PatientName LIKE '%" & txtpatientname.Text.Trim() & "%'"**

**End If**

**If txtmobileno.Text.Trim() <> "" Then**

**query &= " AND Mobile = '" & txtmobileno.Text.Trim() & "'"**

**End If**

**If query = "SELECT SerialNo, PatientName, Age, Address, Fees, PaymentMethod, OPDtype, Gender, ODate, Mobile, City, State, Doctor FROM OPD WHERE 1 = 1" Then**

**MessageBox.Show("Please enter at least one search criterion.", "Search", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**End Sub**

**Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**txtserial.Text = row.Cells("SerialNo").Value.ToString()**

**txtpatientnamedgv.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**ComboBoxopdtype.Text = row.Cells("OPDtype").Value.ToString()**

**txtfees.Text = row.Cells("Fees").Value.ToString()**

**ComboBoxpaymentmethod.Text = row.Cells("PaymentMethod").Value.ToString()**

**txtcity.Text = row.Cells("City").Value.ToString()**

**txtstate.Text = row.Cells("State").Value.ToString()**

**selectedSerialNo = CInt(row.Cells("SerialNo").Value)**

**Dim parsedDate As DateTime = DateTime.ParseExact(row.Cells("ODate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**OPDDate.Value = parsedDate**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**End Sub**

**Private Sub btnupdate\_Click(sender As Object, e As EventArgs) Handles btnupdate.Click**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**If txtpatientnamedgv.Text.Length = 0 Or txtage.TextLength = 0 Or**

**txtaddress.Text.Length = 0 Or txtfees.Text.Length = 0 Or ComboBoxpaymentmethod.Text.Length = 0 Or**

**ComboBoxopdtype.Text.Length = 0 Or txtcity.Text.Length = 0 Or txtstate.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory")**

**Exit Sub**

**ElseIf Not IsNumeric(txtmobile.Text) Or txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.")**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtfees.Text) Then**

**MsgBox("Fees must be a positive numeric value")**

**txtfees.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) Then**

**MsgBox("Age must be a numeric value.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**If CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be less than or equal to 105.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim query As String = "UPDATE OPD SET PatientName='" & txtpatientnamedgv.Text &**

**"', Mobile='" & txtmobile.Text &**

**"', Age=" & txtage.Text &**

**", Address='" & txtaddress.Text &**

**"', Gender='" & gender &**

**"', OPDtype='" & ComboBoxopdtype.Text &**

**"', Fees=" & txtfees.Text &**

**", PaymentMethod='" & ComboBoxpaymentmethod.Text &**

**"', ODate=#" & OPDDate.Value.ToString("MM/dd/yyyy") &**

**"#, City='" & txtcity.Text &**

**"', State='" & txtstate.Text &**

**"' WHERE SerialNo=" & selectedSerialNo**

**Dim cmd As New OleDbCommand(query, conn)**

**Dim rowsAffected As Integer = cmd.ExecuteNonQuery()**

**If rowsAffected > 0 Then**

**MsgBox("Record updated successfully.")**

**RefreshDataGrid(selectedSerialNo)**

**Else**

**MsgBox("Update failed.")**

**End If**

**txtserial.Clear()**

**txtpatientnamedgv.Clear()**

**txtmobile.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**ComboBoxopdtype.Text = ""**

**txtfees.Clear()**

**ComboBoxpaymentmethod.Text = ""**

**OPDDate.Value = Date.Today**

**txtcity.Clear()**

**txtstate.Clear()**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**End Sub**

**Private Sub RefreshDataGrid(serialNo As Integer)**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, OPDtype, Fees, PaymentMethod, FORMAT(ODate, 'dd/MM/yyyy') AS ODate, City, State, Doctor FROM OPD WHERE SerialNo = " & serialNo**

**da = New OleDbDataAdapter(query, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If DataGridView1.Rows.Count > 0 Then**

**DataGridView1.Rows(0).Selected = True**

**End If**

**End Sub**

**Private Sub btncancel\_Click(sender As Object, e As EventArgs) Handles btncancel.Click**

**Me.Close()**

**End Sub**

**Private Sub UpdateOPD\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**End Sub**

**End Class**

##### DeleteOPD

##### 

**Imports System.Data.OleDb**

**Public Class DeleteOPD**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**txtserial.Text = row.Cells("SerialNo").Value.ToString()**

**txtpatientnamedgv.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**ComboBoxopdtype.Text = row.Cells("OPDtype").Value.ToString()**

**txtfees.Text = row.Cells("Fees").Value.ToString()**

**ComboBoxpaymentmethod.Text = row.Cells("PaymentMethod").Value.ToString()**

**txtcity.Text = row.Cells("City").Value.ToString()**

**txtstate.Text = row.Cells("State").Value.ToString()**

**selectedSerialNo = CInt(row.Cells("SerialNo").Value)**

**Dim parsedDate As DateTime = DateTime.ParseExact(row.Cells("ODate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**OPDDate.Value = parsedDate**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**End Sub**

**Private Sub btnDelete\_Click(sender As Object, e As EventArgs) Handles btnDelete.Click**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**If selectedSerialNo = 0 Then**

**MessageBox.Show("Please select a record from the table to delete.", "Delete", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**Dim query As String = "DELETE FROM OPD WHERE SerialNo = " & selectedSerialNo**

**Dim cmd As New OleDbCommand(query, conn)**

**Dim rowsAffected As Integer = cmd.ExecuteNonQuery()**

**If rowsAffected > 0 Then**

**MessageBox.Show("Record deleted successfully!", "Delete", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**RefreshDataGrid(selectedSerialNo)**

**Else**

**MessageBox.Show("Delete failed!", "Delete", MessageBoxButtons.OK, MessageBoxIcon.Error)**

**End If**

**ClearFields()**

**End Sub**

**Private Sub ClearFields()**

**txtserial.Clear()**

**txtpatientnamedgv.Clear()**

**txtmobile.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**ComboBoxopdtype.Text = ""**

**txtfees.Clear()**

**ComboBoxpaymentmethod.Text = ""**

**OPDDate.Value = Date.Today**

**txtcity.Clear()**

**txtstate.Clear()**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**End Sub**

**Private Sub RefreshDataGrid(serialNo As Integer)**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, OPDtype, Fees, PaymentMethod, FORMAT(ODate, 'dd/MM/yyyy') AS ODate, City, State, Doctor FROM OPD WHERE SerialNo = " & serialNo**

**da = New OleDbDataAdapter(query, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**End Sub**

**Private Sub DeleteOPD\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**ComboBoxpaymentmethod.Enabled = False**

**rbtnmale.Enabled = False**

**rbtnfemale.Enabled = False**

**rbtnother.Enabled = False**

**End Sub**

**Private Sub btnsearch\_Click\_1(sender As Object, e As EventArgs) Handles btnsearch.Click**

**DataGridView1.DataSource = Nothing**

**DataGridView1.Refresh()**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, OPDtype, Fees, PaymentMethod, FORMAT(ODate, 'dd/MM/yyyy') AS ODate, City, State, Doctor FROM OPD WHERE 1=1"**

**If txtserial.Text.Trim() <> "" Then**

**query &= " AND SerialNo = " & txtserial.Text.Trim()**

**End If**

**If txtpatientname.Text.Trim() <> "" Then**

**query &= " AND PatientName LIKE '%" & txtpatientname.Text.Trim() & "%'"**

**End If**

**If txtmobileno.Text.Trim() <> "" Then**

**query &= " AND Mobile = '" & txtmobileno.Text.Trim() & "'"**

**End If**

**If query = "SELECT SerialNo, PatientName, Age, Address, Fees, PaymentMethod, OPDtype, Gender, ODate, Mobile, City, State, Doctor FROM OPD WHERE 1 = 1" Then**

**MessageBox.Show("Please enter at least one search criterion.", "Search", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**End Sub**

**End Class**

##### Xray

##### 

**Imports System.Data.OleDb**

**Imports System.Net.NetworkInformation**

**Public Class Xray**

**Dim conn As New OleDb.OleDbConnection**

**Dim cmd As OleDb.OleDbCommand**

**Dim lastSrNo As Integer**

**Private Sub Xray\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**cmd = New OleDb.OleDbCommand("SELECT MAX(SerialNo) FROM Xray", conn)**

**lastSrNo = cmd.ExecuteScalar()**

**If IsDBNull(lastSrNo) Then**

**lastSrNo = 1**

**Else**

**lastSrNo = CInt(lastSrNo) + 1**

**End If**

**txtSerial.Text = lastSrNo.ToString()**

**ComboBoxpaymentmethod.SelectedItem = "CASH"**

**rbtnmale.Checked = True**

**End Sub**

**Private Sub btnsave\_Click(sender As Object, e As EventArgs) Handles btnsave.Click**

**If txtpatientname.Text.Length = 0 Or txtage.Text.Length = 0 Or**

**txtaddress.Text.Length = 0 Or txtamount.Text.Length = 0 Or**

**ComboBoxpaymentmethod.Text.Length = 0 Or**

**txtcity.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory", MsgBoxStyle.Exclamation)**

**Exit Sub**

**End If**

**If Not IsNumeric(txtmobile.Text) OrElse txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.", MsgBoxStyle.Critical)**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtamount.Text) OrElse CInt(txtamount.Text) <= 0 Then**

**MsgBox("Amount must be a positive numeric value", MsgBoxStyle.Critical)**

**txtamount.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) OrElse CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be a valid number (less than 105)", MsgBoxStyle.Critical)**

**txtage.Focus()**

**Exit Sub**

**End If**

**If (CheckedListBox1.CheckedItems.Count <> CInt(txtquantity.Text)) Then**

**MsgBox("Checked Items and Quantity Must be Same")**

**txtquantity.Focus()**

**Exit Sub**

**End If**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim xrayTypes As String = ""**

**For i As Integer = 0 To CheckedListBox1.CheckedItems.Count - 1**

**xrayTypes &= CheckedListBox1.CheckedItems(i).ToString()**

**If i < CheckedListBox1.CheckedItems.Count - 1 Then**

**xrayTypes &= ", "**

**End If**

**Next**

**Dim query As String = "INSERT INTO Xray (SerialNo, PatientName, Age, Address, PaymentMethod, Xraytype, Gender, XDate, Mobile, City, Quantity, Amount) VALUES (" &**

**txtSerial.Text & ", '" &**

**txtpatientname.Text & "', " &**

**txtage.Text & ", '" &**

**txtaddress.Text & "', '" &**

**ComboBoxpaymentmethod.Text & "', '" &**

**xrayTypes & "', '" &**

**gender & "', #" &**

**xrayd.Value.ToString() & "#, '" &**

**txtmobile.Text & "', '" &**

**txtcity.Text & "', " &**

**txtquantity.Text & ", " &**

**txtamount.Text & ")"**

**cmd = New OleDb.OleDbCommand(query, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Entry Saved Successfully!", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**ClearFields()**

**lastSrNo = CInt(lastSrNo) + 1**

**txtSerial.Text = lastSrNo.ToString()**

**If conn.State = ConnectionState.Open Then**

**conn.Close()**

**End If**

**Xray\_Load(sender, e)**

**End Sub**

**Private Sub ClearFields()**

**txtpatientname.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**txtcity.Clear()**

**txtmobile.Clear()**

**txtamount.Clear()**

**ComboBoxpaymentmethod.SelectedIndex = -1**

**txtamount.Clear()**

**txtquantity.Clear()**

**rbtnmale.Checked = True**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**xrayd.Value = Now**

**For i As Integer = 0 To CheckedListBox1.Items.Count - 1**

**CheckedListBox1.SetItemChecked(i, False)**

**Next**

**End Sub**

**Private Sub btncancel\_Click(sender As Object, e As EventArgs) Handles btncancel.Click**

**Me.Close()**

**End Sub**

**Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click**

**If txtpatientname.Text.Length = 0 Or txtage.Text.Length = 0 Or**

**txtaddress.Text.Length = 0 Or txtamount.Text.Length = 0 Or**

**ComboBoxpaymentmethod.Text.Length = 0 Or**

**txtcity.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory", MsgBoxStyle.Exclamation)**

**Exit Sub**

**End If**

**If Not IsNumeric(txtmobile.Text) OrElse txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.", MsgBoxStyle.Critical)**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtamount.Text) OrElse CInt(txtamount.Text) <= 0 Then**

**MsgBox("Amount must be a positive numeric value", MsgBoxStyle.Critical)**

**txtamount.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) OrElse CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be a valid number (less than 105)", MsgBoxStyle.Critical)**

**txtage.Focus()**

**Exit Sub**

**End If**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim xrayTypes As String = ""**

**For i As Integer = 0 To CheckedListBox1.CheckedItems.Count - 1**

**xrayTypes &= CheckedListBox1.CheckedItems(i).ToString()**

**If i < CheckedListBox1.CheckedItems.Count - 1 Then**

**xrayTypes &= ", "**

**End If**

**Next**

**Dim query As String = "INSERT INTO Xray (SerialNo, PatientName, Age, Address, PaymentMethod, Xraytype, Gender, XDate, Mobile, City, Quantity, Amount) VALUES (" &**

**txtSerial.Text & ", '" &**

**txtpatientname.Text & "', " &**

**txtage.Text & ", '" &**

**txtaddress.Text & "', '" &**

**ComboBoxpaymentmethod.Text & "', '" &**

**xrayTypes & "', '" &**

**gender & "', #" &**

**xrayd.Value.ToString() & "#, '" &**

**txtmobile.Text & "', '" &**

**txtcity.Text & "', " &**

**txtquantity.Text & ", " &**

**txtamount.Text & ")"**

**lastSrNo = CInt(txtSerial.Text)**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**cmd = New OleDb.OleDbCommand(query, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Entry Saved Successfully!", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**Dim billForm As New xraybill(lastSrNo)**

**Home.LoadForm(billForm)**

**End Sub**

**End Class**

**Viewallxray**

****

**Imports System.Data.OleDb**

**Public Class Viewallxray**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Private Sub Viewallxray\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**Me.WindowState = FormWindowState.Maximized**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**Dim Sql As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, Xraytype, Gender, FORMAT(XDate, 'dd/MM/yyyy') AS XDate, Mobile, City, Quantity, Amount FROM Xray ORDER BY SerialNo ASC"**

**da = New OleDbDataAdapter(Sql, conn)**

**dt = New DataTable**

**da.Fill(dt)**

**DataGridViewXray.DataSource = dt**

**Dim totalCmd As New OleDbCommand("SELECT COUNT(\*) FROM Xray", conn)**

**totalxray.Text = CInt(totalCmd.ExecuteScalar()).ToString()**

**Dim amountCmd As New OleDbCommand("SELECT SUM(Amount) FROM Xray", conn)**

**Dim totalamount As Object = amountCmd.ExecuteScalar()**

**Dim onlineCmd As New OleDbCommand("SELECT SUM(Amount) FROM Xray WHERE PaymentMethod = 'UPI'", conn)**

**Dim onlineTotal As Object = onlineCmd.ExecuteScalar()**

**Dim cashCmd As New OleDbCommand("SELECT SUM(Amount) FROM Xray WHERE PaymentMethod = 'CASH'", conn)**

**Dim cashTotal As Object = cashCmd.ExecuteScalar()**

**If IsDBNull(totalamount) Then**

**grandtotal.Text = "0"**

**Else**

**grandtotal.Text = totalamount.ToString()**

**End If**

**If IsDBNull(onlineTotal) Then**

**totalonline.Text = "0"**

**Else**

**totalonline.Text = onlineTotal.ToString()**

**End If**

**If IsDBNull(cashTotal) Then**

**totalcash.Text = "0"**

**Else**

**totalcash.Text = cashTotal.ToString()**

**End If**

**End Sub**

**End Class**

##### 

##### ViewDate2

##### 

**Public Class ViewDate2**

**Private Sub btnshow\_Click(sender As Object, e As EventArgs) Handles btnshow.Click**

**Dim date1 As String = DateTimePicker1.Value.ToString("MM/dd/yyyy")**

**Dim date2 As String = DateTimePicker2.Value.ToString("MM/dd/yyyy")**

**Dim Datewise As New DatewiseXray(date1, date2)**

**Home.LoadForm(Datewise)**

**End Sub**

**End Class**

##### DateWiseXray

##### 

**Imports System.Data.OleDb**

**Public Class DatewiseXray**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Private startDate As String**

**Private endDate As String**

**Public Sub New(ByVal date1 As String, ByVal date2 As String)**

**InitializeComponent()**

**Me.startDate = date1**

**Me.endDate = date2**

**End Sub**

**Private Sub DatewiseData\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**Me.WindowState = FormWindowState.Maximized**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**Dim sql As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, Xraytype, Gender, FORMAT(XDate, 'dd/MM/yyyy') AS XDate, Mobile, City, Quantity, Amount FROM Xray WHERE DateValue(XDate) >= #" & startDate & "# AND DateValue(XDate) <= #" & endDate & "#"**

**da = New OleDbDataAdapter(sql, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**DataGridViewxray.DataSource = dt**

**Dim totalCmd As New OleDbCommand("SELECT COUNT(\*) FROM Xray WHERE DateValue(XDate) >= #" & startDate & "# AND DateValue(XDate) <= #" & endDate & "#", conn)**

**totalxray.Text = CInt(totalCmd.ExecuteScalar()).ToString()**

**Dim grandCmd As New OleDbCommand("SELECT SUM(Amount) FROM Xray WHERE DateValue(XDate) >= #" & startDate & "# AND DateValue(XDate) <= #" & endDate & "#", conn)**

**Dim totalFees As Object = grandCmd.ExecuteScalar()**

**Dim onlineCmd As New OleDbCommand("SELECT SUM(Amount) FROM Xray WHERE PaymentMethod = 'UPI' AND DateValue(XDate) >= #" & startDate & "# AND DateValue(XDate) <= #" & endDate & "#", conn)**

**Dim onlineTotal As Object = onlineCmd.ExecuteScalar()**

**Dim cashCmd As New OleDbCommand("SELECT SUM(Amount) FROM Xray WHERE PaymentMethod = 'CASH' AND DateValue(XDate) >= #" & startDate & "# AND DateValue(XDate) <= #" & endDate & "#", conn)**

**Dim cashTotal As Object = cashCmd.ExecuteScalar()**

**If IsDBNull(totalFees) Then**

**grandtotal.Text = "0"**

**Else**

**grandtotal.Text = totalFees.ToString()**

**End If**

**If IsDBNull(onlineTotal) Then**

**totalonline.Text = "0"**

**Else**

**totalonline.Text = onlineTotal.ToString()**

**End If**

**If IsDBNull(cashTotal) Then**

**totalcash.Text = "0"**

**Else**

**totalcash.Text = cashTotal.ToString()**

**End If**

**End Sub**

**End Class**

##### Updatexray

##### 

**Imports System.Data.OleDb**

**Public Class UpdateXray**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer = 0**

**Private Sub btnupdate\_Click(sender As Object, e As EventArgs) Handles btnupdate.Click**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**If txtpatient.Text.Length = 0 Or txtage.Text.Length = 0 Or**

**txtaddress.Text.Length = 0 Or txtamount.Text.Length = 0 Or**

**ComboBoxpaymentmethod.Text.Length = 0 Or txtcity.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory", MsgBoxStyle.Exclamation)**

**Exit Sub**

**End If**

**If Not IsNumeric(txtmobile.Text) Or txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.", MsgBoxStyle.Critical)**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtamount.Text) Or CInt(txtamount.Text) <= 0 Then**

**MsgBox("Amount must be a positive numeric value", MsgBoxStyle.Critical)**

**txtamount.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) Or CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be a valid number (less than 105)", MsgBoxStyle.Critical)**

**txtage.Focus()**

**Exit Sub**

**End If**

**If txtquantity.Text.Length = 0 Or Not IsNumeric(txtquantity.Text) Then**

**MsgBox("Please enter a valid quantity.", MsgBoxStyle.Critical)**

**txtquantity.Focus()**

**Exit Sub**

**End If**

**Dim gender As String = ""**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim xrayTypes As String = ""**

**For i As Integer = 0 To CheckedListBox1.CheckedItems.Count - 1**

**xrayTypes &= CheckedListBox1.CheckedItems(i).ToString()**

**If i < CheckedListBox1.CheckedItems.Count - 1 Then**

**xrayTypes &= ", "**

**End If**

**Next**

**Dim query As String = "UPDATE Xray SET " &**

**"PatientName = '" & txtpatient.Text & "', " &**

**"Mobile = '" & txtmobile.Text & "', " &**

**"Age = '" & txtage.Text & "', " &**

**"Address = '" & txtaddress.Text & "', " &**

**"Gender = '" & gender & "', " &**

**"XrayType = '" & xrayTypes & "', " &**

**"PaymentMethod = '" & ComboBoxpaymentmethod.Text & "', " &**

**"XDate = #" & xrayd.Value.ToString("MM/dd/yyyy") & "#, " &**

**"City = '" & txtcity.Text & "', " &**

**"Quantity = " & txtquantity.Text & ", " &**

**"Amount = " & txtamount.Text & " " &**

**"WHERE SerialNo = " & selectedSerialNo**

**Dim cmd As New OleDbCommand(query, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Record updated successfully!", "Update", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**RefreshDataGridView()**

**ClearAllFields()**

**End Sub**

**Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**selectedSerialNo = CInt(row.Cells("SerialNo").Value)**

**txtserial.Text = row.Cells("SerialNo").Value.ToString()**

**txtpatient.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**ComboBoxpaymentmethod.Text = row.Cells("PaymentMethod").Value.ToString()**

**txtcity.Text = row.Cells("City").Value.ToString()**

**txtquantity.Text = row.Cells("Quantity").Value.ToString()**

**txtamount.Text = row.Cells("Amount").Value.ToString()**

**Dim xrayTypes As String = row.Cells("XrayType").Value.ToString()**

**Dim i As Integer**

**For i = 0 To CheckedListBox1.Items.Count - 1**

**If xrayTypes.Contains(CheckedListBox1.Items(i).ToString()) Then**

**CheckedListBox1.SetItemChecked(i, True)**

**Else**

**CheckedListBox1.SetItemChecked(i, False)**

**End If**

**Next i**

**Dim parsedDate As DateTime = DateTime.ParseExact(row.Cells("XDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**xrayd.Value = parsedDate**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**End Sub**

**Private Sub ClearAllFields()**

**txtserial.Clear()**

**txtpatient.Clear()**

**txtmobile.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**txtcity.Clear()**

**txtquantity.Clear()**

**txtamount.Clear()**

**ComboBoxpaymentmethod.SelectedIndex = -1**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**Dim i As Integer**

**For i = 0 To CheckedListBox1.Items.Count - 1**

**CheckedListBox1.SetItemChecked(i, False)**

**Next i**

**End Sub**

**Private Sub RefreshDataGridView()**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, XrayType, PaymentMethod, FORMAT(XDate, 'dd/MM/yyyy') AS XDate, City, Quantity, Amount FROM Xray WHERE SerialNo =" & selectedSerialNo**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**conn.Close()**

**End Sub**

**Private Sub btnsearch\_Click\_1(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Open Then conn.Close()**

**DataGridView1.DataSource = Nothing**

**DataGridView1.Refresh()**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, XrayType, PaymentMethod, FORMAT(XDate, 'dd/MM/yyyy') AS XDate, City, Quantity, Amount FROM Xray WHERE 1=1"**

**If txtserial.Text <> "" Then query &= " AND SerialNo = " & txtserial.Text**

**If txtpatientname.Text <> "" Then query &= " AND PatientName LIKE '%" & txtpatientname.Text & "%'"**

**If txtmobileno.Text <> "" Then query &= " AND Mobile = '" & txtmobileno.Text & "'"**

**conn.Open()**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**conn.Close()**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**End Sub**

**Private Sub btncancel\_Click(sender As Object, e As EventArgs) Handles btncancel.Click**

**Me.Close()**

**End Sub**

**Private Sub UpdateXray\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**End Sub**

**End Class**

##### Deletexray

##### 

**Imports System.Data.OleDb**

**Public Class DeleteXray**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub DeleteXray\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**xrayd.Enabled = False**

**ComboBoxpaymentmethod.Enabled = False**

**rbtnmale.Enabled = False**

**rbtnfemale.Enabled = False**

**rbtnother.Enabled = False**

**End Sub**

**Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow**

**row = DataGridView1.Rows(e.RowIndex)**

**selectedSerialNo = CInt(row.Cells("SerialNo").Value)**

**txtserial.Text = row.Cells("SerialNo").Value.ToString()**

**txtpatient.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**ComboBoxpaymentmethod.Text = row.Cells("PaymentMethod").Value.ToString()**

**txtcity.Text = row.Cells("City").Value.ToString()**

**txtquantity.Text = row.Cells("Quantity").Value.ToString()**

**txtamount.Text = row.Cells("Amount").Value.ToString()**

**txtxraytype.Text = row.Cells("Xraytype").Value.ToString()**

**Dim parsedDate As DateTime**

**parsedDate = DateTime.ParseExact(row.Cells("XDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**xrayd.Value = parsedDate**

**Dim gender As String**

**gender = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**End Sub**

**Private Sub btndelete\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btndelete.Click**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**If selectedSerialNo = 0 Then**

**MessageBox.Show("Please select a record to delete.", "Warning", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**Dim sql As String**

**sql = "DELETE FROM Xray WHERE SerialNo = " & selectedSerialNo**

**Dim cmd As New OleDbCommand(sql, conn)**

**Dim rowsAffected As Integer**

**rowsAffected = cmd.ExecuteNonQuery()**

**If rowsAffected > 0 Then**

**MessageBox.Show("Record deleted successfully!", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**ClearFields()**

**RefreshDataGridView(selectedSerialNo)**

**Else**

**MessageBox.Show("Deletion failed!", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error)**

**End If**

**conn.Close()**

**End Sub**

**Private Sub btncancel\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btncancel.Click**

**ClearFields()**

**Me.Close()**

**End Sub**

**Private Sub ClearFields()**

**txtserial.Clear()**

**txtpatient.Clear()**

**txtmobile.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**ComboBoxpaymentmethod.SelectedIndex = -1**

**txtcity.Clear()**

**txtamount.Clear()**

**txtxraytype.Clear()**

**txtquantity.Clear()**

**xrayd.Value = DateTime.Today**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**End Sub**

**Private Sub RefreshDataGridView(serial As Integer)**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, XrayType, PaymentMethod, FORMAT(XDate, 'dd/MM/yyyy') AS XDate, City, Quantity, Amount FROM Xray WHERE SerialNo =" & serial**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**conn.Close()**

**End Sub**

**Private Sub btnsearch\_Click\_1(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Open Then conn.Close()**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, XrayType, PaymentMethod, FORMAT(XDate, 'dd/MM/yyyy') AS XDate, City, Quantity, Amount FROM Xray WHERE 1=1"**

**If txtserial.Text <> "" Then query &= " AND SerialNo = " & txtserial.Text**

**If txtpatientname.Text <> "" Then query &= " AND PatientName LIKE '%" & txtpatientname.Text & "%'"**

**If txtmobileno.Text <> "" Then query &= " AND Mobile = '" & txtmobileno.Text & "'"**

**conn.Open()**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**conn.Close()**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**End Sub**

**End Class**

##### labtest

##### 

**Imports Hospital\_Management\_Software.labtest**

**Imports System.Data.OleDb**

**Imports System.Net.NetworkInformation**

**Public Class labtest**

**Dim conn As New OleDb.OleDbConnection**

**Dim cmd As OleDb.OleDbCommand**

**Dim lastSrNo As Integer**

**Private Sub labtest\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**cmd = New OleDb.OleDbCommand("SELECT MAX(SerialNo) FROM LabTest", conn)**

**Dim result As Object = cmd.ExecuteScalar()**

**If IsDBNull(result) OrElse result Is Nothing Then**

**lastSrNo = 1**

**Else**

**lastSrNo = CInt(result) + 1**

**End If**

**txtSerial.Text = lastSrNo.ToString()**

**ComboBoxpaymentmethod.SelectedItem = "CASH"**

**rbtnmale.Checked = True**

**End Sub**

**Private Sub btnsave\_Click(sender As Object, e As EventArgs) Handles btnsave.Click**

**If txtpatientname.Text.Length = 0 Or txtage.Text.Length = 0 Or txtaddress.Text.Length = 0 Or txtamount.Text.Length = 0 Or ComboBoxpaymentmethod.Text.Length = 0 Or txtcity.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory", MsgBoxStyle.Exclamation)**

**Exit Sub**

**End If**

**If Not IsNumeric(txtmobile.Text) OrElse txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.", MsgBoxStyle.Critical)**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtamount.Text) OrElse CInt(txtamount.Text) <= 0 Then**

**MsgBox("Amount must be a positive numeric value", MsgBoxStyle.Critical)**

**txtamount.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) OrElse CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be a valid number (less than 105)", MsgBoxStyle.Critical)**

**txtage.Focus()**

**Exit Sub**

**End If**

**If (CheckedListBox1.CheckedItems.Count <> CInt(txtquantity.Text)) Then**

**MsgBox("Checked Items and Quantity Must be Same")**

**txtquantity.Focus()**

**Exit Sub**

**End If**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim testTypes As String = ""**

**For i As Integer = 0 To CheckedListBox1.CheckedItems.Count - 1**

**testTypes &= CheckedListBox1.CheckedItems(i).ToString()**

**If i < CheckedListBox1.CheckedItems.Count - 1 Then**

**testTypes &= ", "**

**End If**

**Next**

**Dim query As String = "INSERT INTO LabTest (PatientName, Age, Address, PaymentMethod, TestName, Gender, LDate, Mobile, City, Amount, Quantity) VALUES ('" &**

**txtpatientname.Text & "', " &**

**txtage.Text & ", '" &**

**txtaddress.Text & "', '" &**

**ComboBoxpaymentmethod.Text & "', '" &**

**testTypes & "', '" &**

**gender & "', #" &**

**TDate.Value.ToString() & "#, '" &**

**txtmobile.Text & "', '" &**

**txtcity.Text & "', " &**

**txtamount.Text & ", " &**

**txtquantity.Text & ")"**

**cmd = New OleDb.OleDbCommand(query, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Entry Saved Successfully!", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**ClearFields()**

**lastSrNo = CInt(lastSrNo) + 1**

**txtSerial.Text = lastSrNo.ToString()**

**If conn.State = ConnectionState.Open Then**

**conn.Close()**

**End If**

**labtest\_Load(sender, e)**

**End Sub**

**Private Sub ClearFields()**

**txtpatientname.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**txtcity.Clear()**

**txtmobile.Clear()**

**txtamount.Clear()**

**ComboBoxpaymentmethod.SelectedIndex = -1**

**txtquantity.Clear()**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**For i As Integer = 0 To CheckedListBox1.Items.Count - 1**

**CheckedListBox1.SetItemChecked(i, False)**

**Next**

**TDate.Value = Now**

**End Sub**

**Private Sub btncancel\_Click(sender As Object, e As EventArgs) Handles btncancel.Click**

**Me.Close()**

**End Sub**

**Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click**

**If txtpatientname.Text.Length = 0 Or txtage.Text.Length = 0 Or txtaddress.Text.Length = 0 Or txtamount.Text.Length = 0 Or ComboBoxpaymentmethod.Text.Length = 0 Or txtcity.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory", MsgBoxStyle.Exclamation)**

**Exit Sub**

**End If**

**If Not IsNumeric(txtmobile.Text) OrElse txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.", MsgBoxStyle.Critical)**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtamount.Text) OrElse CInt(txtamount.Text) <= 0 Then**

**MsgBox("Amount must be a positive numeric value", MsgBoxStyle.Critical)**

**txtamount.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) OrElse CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be a valid number (less than 105)", MsgBoxStyle.Critical)**

**txtage.Focus()**

**Exit Sub**

**End If**

**If (CheckedListBox1.CheckedItems.Count <> CInt(txtquantity.Text)) Then**

**MsgBox("Checked Items and Quantity Must be Same")**

**txtquantity.Focus()**

**Exit Sub**

**End If**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim testTypes As String = ""**

**For i As Integer = 0 To CheckedListBox1.CheckedItems.Count - 1**

**testTypes &= CheckedListBox1.CheckedItems(i).ToString()**

**If i < CheckedListBox1.CheckedItems.Count - 1 Then**

**testTypes &= ", "**

**End If**

**Next**

**Dim query As String = "INSERT INTO LabTest (PatientName, Age, Address, PaymentMethod, TestName, Gender, LDate, Mobile, City, Amount, Quantity) VALUES ('" &**

**txtpatientname.Text & "', " &**

**txtage.Text & ", '" &**

**txtaddress.Text & "', '" &**

**ComboBoxpaymentmethod.Text & "', '" &**

**testTypes & "', '" &**

**gender & "', #" &**

**TDate.Value.ToString() & "#, '" &**

**txtmobile.Text & "', '" &**

**txtcity.Text & "', " &**

**txtamount.Text & ", " &**

**txtquantity.Text & ")"**

**cmd = New OleDb.OleDbCommand(query, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Entry Saved Successfully!", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**Dim billForm As New labtestbill(lastSrNo)**

**Home.LoadForm(billForm)**

**End Sub**

**End Class**

##### ViewallTest

##### 

**Public Class ViewallTest**

**Dim conn As New OleDb.OleDbConnection**

**Dim da As OleDb.OleDbDataAdapter**

**Dim dt As DataTable**

**Dim cb As OleDb.OleDbCommandBuilder**

**Private Sub Viewall\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

**Me.WindowState = FormWindowState.Maximized**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim Sql As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Amount, Quantity FROM LabTest"**

**da = New OleDb.OleDbDataAdapter(Sql, conn)**

**cb = New OleDb.OleDbCommandBuilder(da)**

**dt = New DataTable**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**Dim totalCmd As New OleDb.OleDbCommand("SELECT COUNT(\*) FROM LabTest", conn)**

**Dim totalTestCount As Integer = CInt(totalCmd.ExecuteScalar())**

**totaltest.Text = totalTestCount.ToString()**

**Dim feesCmd As New OleDb.OleDbCommand("SELECT SUM(Amount) FROM LabTest", conn)**

**Dim totalFees As Object = feesCmd.ExecuteScalar()**

**Dim onlineCmd As New OleDb.OleDbCommand("SELECT SUM(Amount) FROM LabTest WHERE PaymentMethod IN ('UPI')", conn)**

**Dim onlineTotal As Object = onlineCmd.ExecuteScalar()**

**Dim cashCmd As New OleDb.OleDbCommand("SELECT SUM(Amount) FROM LabTest WHERE PaymentMethod = 'CASH'", conn)**

**Dim cashTotal As Object = cashCmd.ExecuteScalar()**

**If IsDBNull(totalFees) Then**

**grandtotal.Text = "0"**

**Else**

**grandtotal.Text = totalFees.ToString()**

**End If**

**If IsDBNull(onlineTotal) Then**

**totalonline.Text = "0"**

**Else**

**totalonline.Text = onlineTotal.ToString()**

**End If**

**If IsDBNull(cashTotal) Then**

**totalcash.Text = "0"**

**Else**

**totalcash.Text = cashTotal.ToString()**

**End If**

**conn.Close()**

**End Sub**

**End Class**

##### ViewDate3

##### 

**Public Class ViewDate3**

**Private Sub btnshow\_Click(sender As Object, e As EventArgs) Handles btnshow.Click**

**Dim date1 As String = DateTimePicker1.Value.ToString("MM/dd/yyyy")**

**Dim date2 As String = DateTimePicker2.Value.ToString("MM/dd/yyyy")**

**Dim Datewise As New DatewiseTest(date1, date2)**

**Home.LoadForm(Datewise)**

**End Sub**

**End Class**

##### DatewiseTest

##### 

**Imports System.Data.OleDb**

**Public Class DatewiseTest**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Private startDateFormatted As String**

**Private endDateFormatted As String**

**Public Sub New(ByVal date1 As String, ByVal date2 As String)**

**InitializeComponent()**

**startDateFormatted = date1**

**endDateFormatted = date2**

**End Sub**

**Private Sub DatewiseData\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

**Me.WindowState = FormWindowState.Maximized**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim sql As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, " &**

**"Format(LDate, 'dd/MM/yyyy') As Test\_Date, Mobile, City, Amount, Quantity " &**

**"FROM LabTest WHERE DateValue(LDate) >= #" & startDateFormatted & "# AND DateValue(LDate) <= #" & endDateFormatted & "#"**

**da = New OleDbDataAdapter(sql, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**DataGridViewopd.DataSource = dt**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found for the selected date range.", "No Data", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**Dim totalCmd As New OleDbCommand("SELECT COUNT(\*) FROM LabTest WHERE DateValue(LDate) >= #" & startDateFormatted & "# AND DateValue(LDate) <= #" & endDateFormatted & "#", conn)**

**totaltest.Text = totalCmd.ExecuteScalar()**

**Dim feesCmd As New OleDbCommand("SELECT SUM(Amount) FROM LabTest WHERE DateValue(LDate) >= #" & startDateFormatted & "# AND DateValue(LDate) <= #" & endDateFormatted & "#", conn)**

**Dim totalFees As Object = feesCmd.ExecuteScalar()**

**Dim onlineCmd As New OleDbCommand("SELECT SUM(Amount) FROM LabTest WHERE PaymentMethod = 'UPI' AND DateValue(LDate) >= #" & startDateFormatted & "# AND DateValue(LDate) <= #" & endDateFormatted & "#", conn)**

**Dim onlineTotal As Object = onlineCmd.ExecuteScalar()**

**Dim cashCmd As New OleDbCommand("SELECT SUM(Amount) FROM LabTest WHERE PaymentMethod = 'CASH' AND DateValue(LDate) >= #" & startDateFormatted & "# AND DateValue(LDate) <= #" & endDateFormatted & "#", conn)**

**Dim cashTotal As Object = cashCmd.ExecuteScalar()**

**If IsDBNull(totalFees) Then**

**grandtotal.Text = "0"**

**Else**

**grandtotal.Text = totalFees.ToString()**

**End If**

**If IsDBNull(onlineTotal) Then**

**totalonline.Text = "0"**

**Else**

**totalonline.Text = onlineTotal.ToString()**

**End If**

**If IsDBNull(cashTotal) Then**

**totalcash.Text = "0"**

**Else**

**totalcash.Text = cashTotal.ToString()**

**End If**

**conn.Close()**

**End Sub**

**End Class**

##### UpdateTest

##### 

**Imports System.Data.OleDb**

**Imports System.Net.NetworkInformation**

**Public Class UpdateTest**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub btnsearch\_Click(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**DataGridView1.DataSource = Nothing**

**DataGridView1.Refresh()**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Amount, Quantity FROM LabTest WHERE 1=1"**

**If txtserial.Text <> "" Then**

**query &= " AND SerialNo = " & txtserial.Text**

**End If**

**If txtpatientname.Text <> "" Then**

**query &= " AND PatientName LIKE '%" & txtpatientname.Text & "%'"**

**End If**

**If txtmobileno.Text <> "" Then**

**query &= " AND Mobile = '" & txtmobileno.Text & "'"**

**End If**

**If query = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Amount, Quantity FROM LabTest WHERE 1 = 1" Then**

**MessageBox.Show("Please enter at least one search criterion.", "Search", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**conn.Close()**

**End Sub**

**Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**selectedSerialNo = row.Cells("SerialNo").Value**

**txtserial.Text = row.Cells("SerialNo").Value.ToString()**

**txtpatient.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**ComboBoxpaymentmethod.Text = row.Cells("PaymentMethod").Value.ToString()**

**txtcity.Text = row.Cells("City").Value.ToString()**

**txtamount.Text = row.Cells("Amount").Value.ToString()**

**txtquantity.Text = row.Cells("Quantity").Value.ToString()**

**Dim parsedDate As DateTime = DateTime.ParseExact(row.Cells("TestDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**TDate.Value = parsedDate**

**Dim testTypes As String = row.Cells("TestName").Value.ToString()**

**Dim i As Integer**

**For i = 0 To CheckedListBox1.Items.Count - 1**

**If testTypes.Contains(CheckedListBox1.Items(i).ToString()) Then**

**CheckedListBox1.SetItemChecked(i, True)**

**Else**

**CheckedListBox1.SetItemChecked(i, False)**

**End If**

**Next i**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**End Sub**

**Private Sub btnupdate\_Click(sender As Object, e As EventArgs) Handles btnupdate.Click**

**If txtpatient.Text = "" Or txtage.Text = "" Or txtaddress.Text = "" Or txtamount.Text = "" Or ComboBoxpaymentmethod.Text = "" Or txtcity.Text = "" Then**

**MsgBox("All Fields are Mandatory", MsgBoxStyle.Exclamation)**

**Exit Sub**

**End If**

**If Not IsNumeric(txtmobile.Text) Or txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.", MsgBoxStyle.Critical)**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtamount.Text) Or CInt(txtamount.Text) <= 0 Then**

**MsgBox("Amount must be a positive numeric value", MsgBoxStyle.Critical)**

**txtamount.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) Or CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be a valid number (less than 105)", MsgBoxStyle.Critical)**

**txtage.Focus()**

**Exit Sub**

**End If**

**If CheckedListBox1.CheckedItems.Count <> CInt(txtquantity.Text) Then**

**MsgBox("Checked Items and Quantity Must be Same")**

**txtquantity.Focus()**

**Exit Sub**

**End If**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = "Male"**

**ElseIf rbtnfemale.Checked Then**

**gender = "Female"**

**ElseIf rbtnother.Checked Then**

**gender = "Other"**

**Else**

**gender = ""**

**End If**

**Dim testTypes As String = ""**

**Dim i As Integer**

**For i = 0 To CheckedListBox1.Items.Count - 1**

**If CheckedListBox1.GetItemChecked(i) Then**

**If testTypes <> "" Then**

**testTypes &= ", "**

**End If**

**testTypes &= CheckedListBox1.Items(i).ToString()**

**End If**

**Next i**

**Dim query As String = "UPDATE LabTest SET PatientName='" & txtpatient.Text & "', " &**

**"Mobile='" & txtmobile.Text & "', Age=" & txtage.Text & ", " &**

**"Address='" & txtaddress.Text & "', Gender='" & gender & "', " &**

**"PaymentMethod='" & ComboBoxpaymentmethod.Text & "', " &**

**"LDate=#" & TDate.Value.ToString() & "#, City='" & txtcity.Text & "', " &**

**"Quantity=" & txtquantity.Text & ", Amount=" & txtamount.Text & ", " &**

**"TestName='" & testTypes & "' WHERE SerialNo=" & selectedSerialNo**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**Dim cmd As New OleDbCommand(query, conn)**

**If cmd.ExecuteNonQuery() > 0 Then**

**MessageBox.Show("Record updated successfully!", "Update", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**RefreshDataGrid(selectedSerialNo)**

**ClearAllFields()**

**Else**

**MessageBox.Show("Update failed!", "Update", MessageBoxButtons.OK, MessageBoxIcon.Error)**

**End If**

**conn.Close()**

**End Sub**

**Private Sub RefreshDataGrid(serialNo As Integer)**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**Dim query As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Quantity, Amount FROM LabTest WHERE SerialNo =" & selectedSerialNo**

**da = New OleDbDataAdapter(query, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If DataGridView1.Rows.Count > 0 Then**

**DataGridView1.Rows(0).Selected = True**

**End If**

**conn.Close()**

**End Sub**

**Private Sub ClearAllFields()**

**txtserial.Clear()**

**txtpatient.Clear()**

**txtmobile.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**txtcity.Clear()**

**txtamount.Clear()**

**txtquantity.Clear()**

**txtpatientname.Clear()**

**txtmobileno.Clear()**

**ComboBoxpaymentmethod.SelectedIndex = -1**

**TDate.Value = DateTime.Today**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**Dim i As Integer**

**For i = 0 To CheckedListBox1.Items.Count - 1**

**CheckedListBox1.SetItemChecked(i, False)**

**Next i**

**DataGridView1.Refresh()**

**End Sub**

**Private Sub btncancel\_Click(sender As Object, e As EventArgs) Handles btncancel.Click**

**Me.Close()**

**End Sub**

**Private Sub UpdateTest\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**End Sub**

**End Class**

##### DeleteTest

##### 

**Imports System.Data.OleDb**

**Public Class DeleteTest**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub DeleteTest\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

**Me.WindowState = FormWindowState.Maximized**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**TDate.Enabled = False**

**ComboBoxpaymentmethod.Enabled = False**

**rbtnmale.Enabled = False**

**rbtnfemale.Enabled = False**

**rbtnother.Enabled = False**

**End Sub**

**Private Sub DataGridView1\_CellClick(ByVal sender As Object, ByVal e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**selectedSerialNo = row.Cells("SerialNo").Value**

**txtserial.Text = row.Cells("SerialNo").Value.ToString()**

**txtpatient.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtselectedtest.Text = row.Cells("TestName").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**ComboBoxpaymentmethod.Text = row.Cells("PaymentMethod").Value.ToString()**

**txtcity.Text = row.Cells("City").Value.ToString()**

**txtamount.Text = row.Cells("Amount").Value.ToString()**

**txtquantity.Text = row.Cells("Quantity").Value.ToString()**

**Dim parsedDate As DateTime = DateTime.ParseExact(row.Cells("TestDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**TDate.Value = parsedDate**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then rbtnmale.Checked = True**

**If gender = "Female" Then rbtnfemale.Checked = True**

**If gender = "Other" Then rbtnother.Checked = True**

**End If**

**End Sub**

**Private Sub btndelete\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btndelete.Click**

**If selectedSerialNo = 0 Then**

**MessageBox.Show("Please select a record to delete.", "Warning", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**Dim sql As String = "DELETE FROM LabTest WHERE SerialNo = " & selectedSerialNo**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**Dim cmd As New OleDbCommand(sql, conn)**

**Dim rowsAffected As Integer = cmd.ExecuteNonQuery()**

**If rowsAffected > 0 Then**

**MessageBox.Show("Record deleted successfully!", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**ClearFields()**

**LoadData()**

**Else**

**MessageBox.Show("Deletion failed!", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error)**

**End If**

**conn.Close()**

**End Sub**

**Private Sub btncancel\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btncancel.Click**

**ClearFields()**

**Me.Close()**

**End Sub**

**Private Sub ClearFields()**

**txtserial.Clear()**

**txtpatient.Clear()**

**txtmobile.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**ComboBoxpaymentmethod.SelectedIndex = -1**

**txtcity.Clear()**

**txtamount.Clear()**

**txtselectedtest.Clear()**

**txtquantity.Clear()**

**TDate.Value = DateTime.Today**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**End Sub**

**Private Sub LoadData()**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, TestName, PaymentMethod, FORMAT(LDate, 'dd/MM/yyyy') AS LDate, City, Quantity, Amount FROM LabTest WHERE SerialNo = " & selectedSerialNo**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.Open()**

**da = New OleDbDataAdapter(query, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**conn.Close()**

**End Sub**

**Private Sub btnsearch\_Click(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**DataGridView1.DataSource = Nothing**

**DataGridView1.Refresh()**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Amount, Quantity FROM LabTest WHERE 1=1"**

**If txtserial.Text <> "" Then**

**query &= " AND SerialNo = " & txtserial.Text**

**End If**

**If txtpatientname.Text <> "" Then**

**query &= " AND PatientName LIKE '%" & txtpatientname.Text & "%'"**

**End If**

**If txtmobileno.Text <> "" Then**

**query &= " AND Mobile = '" & txtmobileno.Text & "'"**

**End If**

**If query = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Amount, Quantity FROM LabTest WHERE 1=1" Then**

**MessageBox.Show("Please enter at least one search criterion.", "Search", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**conn.Close()**

**End Sub**

**End Class**

##### AddDoctor

##### 

**Imports System.Data.OleDb**

**Public Class AddDoctor**

**Dim conn As New OleDbConnection**

**Dim cmd As OleDbCommand**

**Dim lastSrno As Integer**

**Private Sub AddDoctor\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**cmd = New OleDbCommand("SELECT MAX(SerialNo) FROM Doctor", conn)**

**Dim result As Object = cmd.ExecuteScalar()**

**If IsDBNull(result) OrElse result Is Nothing Then**

**lastSrno = 1**

**Else**

**lastSrno = CInt(result) + 1**

**End If**

**txtSerial.Text = lastSrno.ToString()**

**rbtnmale.Checked = True**

**End Sub**

**Private Sub btnSave\_Click(sender As Object, e As EventArgs) Handles btnsave.Click**

**If txtdoctorname.Text.Length = 0 Or txtqualification.Text.Length = 0 Or**

**txtaddress.Text.Length = 0 Or txtexperience.Text.Length = 0 Or txtspecialization.Text.Length = 0 Or**

**txtposition.Text.Length = 0 Or txtmobile.Text.Length = 0 Or txtage.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory")**

**Exit Sub**

**ElseIf Not IsNumeric(txtmobile.Text) Or txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.")**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtexperience.Text) Then**

**MsgBox("Experience must be a positive numeric value")**

**txtexperience.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) Then**

**MsgBox("Age must be a numeric value.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**If CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be less than or equal to 105.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = "Male"**

**ElseIf rbtnfemale.Checked Then**

**gender = "Female"**

**ElseIf rbtnother.Checked Then**

**gender = "Other"**

**Else**

**gender = "Male"**

**End If**

**Dim sql As String = "INSERT INTO Doctor (DoctorName, Qualification, Specialization, Experience, [Position], [Age], Mobile, Address, Gender) " &**

**"VALUES ('" & txtdoctorname.Text & "', '" & txtqualification.Text & "', '" & txtspecialization.Text & "', " &**

**CInt(txtexperience.Text) & ", '" & txtposition.Text & "', " & CInt(txtage.Text) & ", '" & txtmobile.Text & "', '" & txtaddress.Text & "', '" & gender & "')"**

**cmd = New OleDbCommand(sql, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Entry Saved Successfully!")**

**txtdoctorname.Clear()**

**txtqualification.Clear()**

**txtexperience.Clear()**

**txtposition.Clear()**

**txtmobile.Clear()**

**txtaddress.Clear()**

**txtage.Clear()**

**txtspecialization.Clear()**

**rbtnmale.Checked = True**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**lastSrno += 1**

**txtSerial.Text = lastSrno.ToString()**

**End Sub**

**End Class**

##### ViewDoctor

##### 

**Imports System.Data.OleDb**

**Public Class ViewDoctor**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim Serial As Integer**

**Private Sub ViewDoctor\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim Sql As String = "SELECT \* FROM Doctor"**

**da = New OleDbDataAdapter(Sql, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**conn.Close()**

**End Sub**

**Private Sub DataGridView1\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**txtdoctorname.Text = row.Cells("DoctorName").Value.ToString()**

**txtqualification.Text = row.Cells("Qualification").Value.ToString()**

**txtspecialization.Text = row.Cells("Specialization").Value.ToString()**

**txtexperience.Text = row.Cells("Experience").Value.ToString()**

**txtposition.Text = row.Cells("Position").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**Serial = CInt(row.Cells("SerialNo").Value)**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**End Sub**

**Private Sub btnupdate\_Click(sender As Object, e As EventArgs) Handles btnupdate.Click**

**If txtdoctorname.Text.Length = 0 Or txtqualification.Text.Length = 0 Or**

**txtaddress.Text.Length = 0 Or txtexperience.Text.Length = 0 Or txtspecialization.Text.Length = 0 Or**

**txtposition.Text.Length = 0 Or txtmobile.Text.Length = 0 Or txtage.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory")**

**Exit Sub**

**ElseIf Not IsNumeric(txtmobile.Text) Or txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.")**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtexperience.Text) Then**

**MsgBox("Experience must be a positive numeric value")**

**txtexperience.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtage.Text) Then**

**MsgBox("Age must be a numeric value.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**If CInt(txtage.Text) > 105 Then**

**MsgBox("Age must be less than or equal to 105.")**

**txtage.Focus()**

**Exit Sub**

**End If**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = "Male"**

**ElseIf rbtnfemale.Checked Then**

**gender = "Female"**

**ElseIf rbtnother.Checked Then**

**gender = "Other"**

**Else**

**gender = "Male"**

**End If**

**Dim Sql As String = "UPDATE Doctor SET " &**

**"DoctorName = '" & txtdoctorname.Text & "', " &**

**"Qualification = '" & txtqualification.Text & "', " &**

**"Specialization = '" & txtspecialization.Text & "', " &**

**"Experience = " & CInt(txtexperience.Text) & ", " &**

**"[Position] = '" & txtposition.Text & "', " &**

**"Age = " & CInt(txtage.Text) & ", " &**

**"Mobile = '" & txtmobile.Text & "', " &**

**"Address = '" & txtaddress.Text & "', " &**

**"Gender = '" & gender & "' " &**

**"WHERE SerialNo = " & Serial**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**Dim cmd As New OleDbCommand(Sql, conn)**

**cmd.ExecuteNonQuery()**

**conn.Close()**

**MessageBox.Show("Record Updated Successfully")**

**ClearFields()**

**ViewDoctor\_Load(sender, e)**

**End Sub**

**Private Sub btndelete\_Click(sender As Object, e As EventArgs) Handles btndelete.Click**

**If Serial = 0 Then**

**MessageBox.Show("Please select a record to delete.", "Warning", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**Dim Sql As String = "DELETE FROM Doctor WHERE SerialNo = " & Serial**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**Dim cmd As New OleDbCommand(Sql, conn)**

**cmd.ExecuteNonQuery()**

**conn.Close()**

**MessageBox.Show("Record Deleted Successfully")**

**ClearFields()**

**ViewDoctor\_Load(sender, e)**

**End Sub**

**Private Sub ClearFields()**

**txtdoctorname.Clear()**

**txtqualification.Clear()**

**txtspecialization.Clear()**

**txtexperience.Clear()**

**txtposition.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**txtmobile.Clear()**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**Serial = 0**

**End Sub**

**Private Sub btncancel\_Click(sender As Object, e As EventArgs) Handles btncancel.Click**

**Me.Close()**

**End Sub**

**End Class**

##### AddRoom

##### 

**Imports System.Net.NetworkInformation**

**Public Class AddRoom**

**Dim conn As New OleDb.OleDbConnection**

**Dim cmd As OleDb.OleDbCommand**

**Dim lastSrNo As Integer**

**Private Sub AddRoom\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**cmd = New OleDb.OleDbCommand("SELECT MAX(SerialNo) FROM Room", conn)**

**Dim result = cmd.ExecuteScalar()**

**If IsDBNull(result) OrElse result Is Nothing Then**

**lastSrNo = 1**

**Else**

**lastSrNo = CInt(result) + 1**

**End If**

**txtSerial.Text = lastSrNo.ToString()**

**rbtnmale.Checked = True**

**admitdate.Value = DateTime.Today**

**dischargedate.Value = DateTime.Today**

**End Sub**

**Private Sub btnsave\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnsave.Click**

**If txtpatientname.Text.Length = 0 Or txtaddress.Text.Length = 0 Or txtmobileno.Text.Length = 0 Or ComboBoxfloar.Text.Length = 0 Or**

**ComboBoxbedno.Text.Length = 0 Or ComboBoxroomno.Text.Length = 0 Or txtroomrent.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory")**

**Exit Sub**

**ElseIf Not IsNumeric(txtmobileno.Text) Or txtmobileno.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.")**

**txtmobileno.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(ComboBoxbedno.Text) Then**

**MsgBox("Bed No. must be a positive numeric value")**

**ComboBoxbedno.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(ComboBoxroomno.Text) Then**

**MsgBox("Room No. must be a numeric value.")**

**ComboBoxroomno.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtroomrent.Text) Then**

**MsgBox("Room Rent. must be a numeric value.")**

**txtroomrent.Focus()**

**Exit Sub**

**End If**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim admitd As String = admitdate.Value.ToString()**

**Dim discharged As String = dischargedate.Value.ToString()**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim sql As String = "INSERT INTO Room (SerialNo, PatientName, RoomNo, Floar, AdmitDate, DischargeDate, RoomRent, Address, BedNo, Gender, MobileNo) " &**

**"VALUES (" & lastSrNo & ", '" & txtpatientname.Text & "', " & CInt(ComboBoxroomno.Text) & ", '" & ComboBoxfloar.Text & "', #" & admitd & "#, #" &**

**discharged & "#, " & CInt(txtroomrent.Text) & ", '" & txtaddress.Text & "', " & CInt(ComboBoxbedno.Text) & ", '" &**

**gender & "', '" & txtmobileno.Text & "')"**

**cmd = New OleDb.OleDbCommand(sql, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Entry Saved Successfully!")**

**txtpatientname.Clear()**

**ComboBoxroomno.SelectedIndex = -1**

**txtaddress.Clear()**

**txtmobileno.Clear()**

**ComboBoxbedno.SelectedIndex = -1**

**txtroomrent.Clear()**

**ComboBoxfloar.SelectedIndex = -1**

**rbtnmale.Checked = True**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**lastSrNo = CInt(lastSrNo) + 1**

**txtSerial.Text = lastSrNo.ToString()**

**ComboBoxfloar.SelectedItem = "Ground Floar"**

**rbtnmale.Checked = True**

**If conn.State = ConnectionState.Open Then**

**conn.Close()**

**End If**

**AddRoom\_Load(sender, e)**

**End Sub**

**Private Sub btncancel\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btncancel.Click**

**txtpatientname.Clear()**

**ComboBoxroomno.SelectedIndex = -1**

**txtaddress.Clear()**

**txtmobileno.Clear()**

**ComboBoxbedno.SelectedIndex = -1**

**txtroomrent.Clear()**

**ComboBoxfloar.SelectedIndex = -1**

**rbtnmale.Checked = True**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**Me.Close()**

**End Sub**

**Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click**

**If txtpatientname.Text.Length = 0 Or txtaddress.Text.Length = 0 Or txtmobileno.Text.Length = 0 Or ComboBoxfloar.Text.Length = 0 Or**

**ComboBoxbedno.Text.Length = 0 Or ComboBoxroomno.Text.Length = 0 Or CInt(txtroomrent.Text.Length) = 0 Then**

**MsgBox("All Fields are Mandatory")**

**Exit Sub**

**ElseIf Not IsNumeric(txtmobileno.Text) Or txtmobileno.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.")**

**txtmobileno.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(ComboBoxbedno.Text) Then**

**MsgBox("Bed No. must be a positive numeric value")**

**ComboBoxbedno.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(ComboBoxroomno.Text) Then**

**MsgBox("Room No. must be a numeric value.")**

**ComboBoxroomno.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtroomrent.Text) Then**

**MsgBox("Room Rent. must be a numeric value.")**

**txtroomrent.Focus()**

**Exit Sub**

**End If**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim admitd As String = admitdate.Value.ToString()**

**Dim discharged As String = dischargedate.Value.ToString()**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim sql As String = "INSERT INTO Room (SerialNo, PatientName, RoomNo, Floar, AdmitDate, DischargeDate, RoomRent, Address, BedNo, Gender, MobileNo) " &**

**"VALUES (" & lastSrNo & ", '" & txtpatientname.Text & "', " & CInt(ComboBoxroomno.Text) & ", '" & ComboBoxfloar.Text & "', #" & admitd & "#, #" &**

**discharged & "#, " & CInt(txtroomrent.Text) & ", '" & txtaddress.Text & "', " & CInt(ComboBoxbedno.Text) & ", '" &**

**gender & "', '" & txtmobileno.Text & "')"**

**cmd = New OleDb.OleDbCommand(sql, conn)**

**cmd.ExecuteNonQuery()**

**MessageBox.Show("Entry Saved Successfully!")**

**Dim billForm As New RoomBill(lastSrNo)**

**Home.LoadForm(billForm)**

**End Sub**

**End Class**

##### ViewAllRoom

##### 

**Public Class ViewAllRoom**

**Dim conn As New OleDb.OleDbConnection**

**Dim da As OleDb.OleDbDataAdapter**

**Dim dt As DataTable**

**Dim cb As OleDb.OleDbCommandBuilder**

**Private Sub ViewAllRoom\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**Me.WindowState = FormWindowState.Maximized**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim Sql As String = "SELECT SerialNo, PatientName, RoomNo, Floar, " &**

**"FORMAT(AdmitDate, 'dd-MM-yyyy') AS AdmitDate, " &**

**"FORMAT(DischargeDate, 'dd-MM-yyyy') AS DischargeDate, " &**

**"RoomRent, Address, BedNo, Gender, MobileNo FROM Room"**

**da = New OleDb.OleDbDataAdapter(Sql, conn)**

**cb = New OleDb.OleDbCommandBuilder(da)**

**dt = New DataTable**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**Dim totalCmd As New OleDb.OleDbCommand("SELECT COUNT(\*) FROM Room", conn)**

**Dim totalRoomCount As Integer = CInt(totalCmd.ExecuteScalar())**

**totalroomalloted.Text = totalRoomCount.ToString()**

**Dim feesCmd As New OleDb.OleDbCommand("SELECT SUM(RoomRent) FROM Room", conn)**

**Dim totalFees As Object = feesCmd.ExecuteScalar()**

**If IsDBNull(totalFees) Then**

**totalrentamount.Text = "0"**

**Else**

**totalrentamount.Text = totalFees.ToString()**

**End If**

**conn.Close()**

**End Sub**

**End Class**

##### ViewDate4

##### 

**Public Class ViewDate4**

**Private Sub btnshow\_Click(sender As Object, e As EventArgs) Handles btnshow.Click**

**Dim date1 As String = DateTimePicker1.Value.ToString("MM/dd/yyyy")**

**Dim date2 As String = DateTimePicker2.Value.ToString("MM/dd/yyyy")**

**Dim Datewise As New DateWiseRoom(date1, date2)**

**Home.LoadForm(Datewise)**

**End Sub**

**End Class**

##### DateWiseRoom

##### 

**Imports System.Data.OleDb**

**Public Class DateWiseRoom**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Private startDateFormatted As String**

**Private endDateFormatted As String**

**Public Sub New(ByVal date1 As String, ByVal date2 As String)**

**InitializeComponent()**

**startDateFormatted = date1**

**endDateFormatted = date2**

**End Sub**

**Private Sub DateWiseRoom\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**Me.WindowState = FormWindowState.Maximized**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**Dim sqlQuery As String = "SELECT SerialNo, PatientName, RoomNo, Floar, " &**

**"FORMAT(AdmitDate, 'dd-MM-yyyy') AS AdmitDate, " &**

**"FORMAT(DischargeDate, 'dd-MM-yyyy') AS DischargeDate, " &**

**"RoomRent, Address, BedNo, Gender, MobileNo " &**

**"FROM Room WHERE DateValue(AdmitDate) >= #" & startDateFormatted & "# " &**

**"AND DateValue(AdmitDate) <= #" & endDateFormatted & "#"**

**If conn.State = ConnectionState.Closed Then conn.Open()**

**da = New OleDbDataAdapter(sqlQuery, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**Dim totalCountCmd As New OleDbCommand("SELECT COUNT(\*) FROM Room WHERE DateValue(AdmitDate) >= #" & startDateFormatted & "# AND DateValue(DischargeDate) <= #" & endDateFormatted & "#", conn)**

**totalroomalloted.Text = CInt(totalCountCmd.ExecuteScalar()).ToString()**

**Dim totalRentCmd As New OleDbCommand("SELECT SUM(RoomRent) FROM Room WHERE DateValue(AdmitDate) >= #" & startDateFormatted & "# AND DateValue(DischargeDate) <= #" & endDateFormatted & "#", conn)**

**Dim totalFees As Object = totalRentCmd.ExecuteScalar()**

**If IsDBNull(totalFees) Then**

**totalrentamount.Text = "0"**

**Else**

**totalrentamount.Text = totalFees.ToString()**

**End If**

**conn.Close()**

**End Sub**

**End Class**

##### Updateroom

##### 

**Imports System.Data.OleDb**

**Imports System.Net.NetworkInformation**

**Public Class Updateroom**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub btnsearch\_Click(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, RoomNo, Floar, FORMAT(AdmitDate, 'dd/MM/yyyy') AS AdmitDate, FORMAT(DischargeDate, 'dd/MM/yyyy') AS DischargeDate, RoomRent, Address, BedNo, Gender, MobileNo FROM Room WHERE 1 = 1"**

**If txtroomno.Text <> "" Then**

**query &= " And RoomNo = " & txtroomno.Text**

**End If**

**If txtpatientname.Text <> "" Then**

**query &= " And PatientName Like '%" & txtpatientname.Text & "%'"**

**End If**

**If txtmobileno.Text <> "" Then**

**query &= " AND MobileNo = '" & txtmobileno.Text & "'"**

**End If**

**If query = "SELECT SerialNo, PatientName, RoomNo, Floar, FORMAT(AdmitDate, 'dd/MM/yyyy') AS AdmitDate, FORMAT(DischargeDate, 'dd/MM/yyyy') AS DischargeDate, RoomRent, Address, BedNo, Gender, MobileNo FROM Room WHERE 1 = 1" Then**

**MessageBox.Show("Please enter at least one search criterion.", "Search", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**conn.Close()**

**Exit Sub**

**End If**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**conn.Close()**

**End Sub**

**Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**selectedSerialNo = Convert.ToInt32(row.Cells("SerialNo").Value)**

**txtpatientname1.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("MobileNo").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**txtroomrent.Text = row.Cells("RoomRent").Value.ToString()**

**ComboBoxfloar.Text = row.Cells("Floar").Value.ToString()**

**ComboBoxroomno.Text = row.Cells("RoomNo").Value.ToString()**

**ComboBoxbedno.Text = row.Cells("BedNo").Value.ToString()**

**Dim parsedDate As DateTime = DateTime.ParseExact(row.Cells("AdmitDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**admitdate.Value = parsedDate**

**Dim parsedDate1 As DateTime = DateTime.ParseExact(row.Cells("DischargeDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**dischargedate.Value = parsedDate1**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**txtpatientname.Clear()**

**txtmobileno.Clear()**

**txtroomno.Clear()**

**End Sub**

**Private Sub btnupdate\_Click(sender As Object, e As EventArgs) Handles btnupdate.Click**

**If selectedSerialNo = 0 Then**

**MessageBox.Show("Please select a record from the table to update.", "Update", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**If txtpatientname1.Text.Length = 0 Or txtaddress.Text.Length = 0 Or txtmobile.Text.Length = 0 Or ComboBoxfloar.Text.Length = 0 Or**

**ComboBoxbedno.Text.Length = 0 Or ComboBoxroomno.Text.Length = 0 Or txtroomrent.Text.Length = 0 Then**

**MsgBox("All Fields are Mandatory")**

**Exit Sub**

**ElseIf Not IsNumeric(txtmobile.Text) Or txtmobile.Text.Length <> 10 Then**

**MsgBox("Invalid Mobile No.")**

**txtmobile.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(ComboBoxbedno.Text) Then**

**MsgBox("Bed No. must be a positive numeric value")**

**ComboBoxbedno.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(ComboBoxroomno.Text) Then**

**MsgBox("Room No. must be a numeric value.")**

**ComboBoxroomno.Focus()**

**Exit Sub**

**End If**

**If Not IsNumeric(txtroomrent.Text) Then**

**MsgBox("Room Rent must be a numeric value.")**

**txtroomrent.Focus()**

**Exit Sub**

**End If**

**Dim gender As String**

**If rbtnmale.Checked Then**

**gender = rbtnmale.Text**

**ElseIf rbtnfemale.Checked Then**

**gender = rbtnfemale.Text**

**ElseIf rbtnother.Checked Then**

**gender = rbtnother.Text**

**Else**

**gender = rbtnmale.Text**

**End If**

**Dim query As String = "UPDATE Room SET " &**

**"PatientName = '" & txtpatientname1.Text & "', " &**

**"RoomNo = '" & ComboBoxroomno.Text & "', " &**

**"Floar = '" & ComboBoxfloar.Text & "', " &**

**"AdmitDate = #" & admitdate.Value.ToString() & "#, " &**

**"DischargeDate = #" & dischargedate.Value.ToString() & "#, " &**

**"RoomRent = '" & txtroomrent.Text & "', " &**

**"Address = '" & txtaddress.Text & "', " &**

**"BedNo = '" & ComboBoxbedno.Text & "', " &**

**"Gender = '" & gender & "', " &**

**"MobileNo = '" & txtmobile.Text & "' " &**

**"WHERE SerialNo = " & selectedSerialNo**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim cmd As New OleDbCommand(query, conn)**

**Dim rowsAffected As Integer = cmd.ExecuteNonQuery()**

**If rowsAffected > 0 Then**

**MessageBox.Show("Record updated successfully!", "Update", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**RefreshDataGrid(selectedSerialNo)**

**Else**

**MessageBox.Show("Update failed!", "Update", MessageBoxButtons.OK, MessageBoxIcon.Error)**

**End If**

**conn.Close()**

**txtpatientname1.Clear()**

**txtmobile.Clear()**

**txtaddress.Clear()**

**txtroomrent.Clear()**

**ComboBoxfloar.SelectedIndex = -1**

**ComboBoxroomno.SelectedIndex = -1**

**ComboBoxbedno.SelectedIndex = -1**

**admitdate.Value = DateTime.Today**

**dischargedate.Value = DateTime.Today**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**End Sub**

**Private Sub RefreshDataGrid(serialNo As Integer)**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim query As String = "SELECT SerialNo, PatientName, RoomNo, Floar, FORMAT(AdmitDate, 'dd/MM/yyyy') AS AdmitDate, FORMAT(DischargeDate, 'dd/MM/yyyy') AS DischargeDate, RoomRent, Address, BedNo, Gender, MobileNo FROM Room WHERE SerialNo = " & serialNo**

**da = New OleDbDataAdapter(query, conn)**

**dt = New DataTable()**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If DataGridView1.Rows.Count > 0 Then**

**DataGridView1.Rows(0).Selected = True**

**End If**

**conn.Close()**

**End Sub**

**Private Sub btncancel\_Click(sender As Object, e As EventArgs) Handles btncancel.Click**

**Me.Close()**

**End Sub**

**Private Sub Updateroom\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**End Sub**

**End Class**

##### DeleteRoom

##### 

**Imports System.Data.OleDb**

**Public Class DeleteRoom**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub btndelete\_Click(sender As Object, e As EventArgs) Handles btndelete.Click**

**If selectedSerialNo = 0 Then**

**MessageBox.Show("Please select a record from the table to delete.", "Delete", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.Open()**

**Dim query As String = "DELETE FROM Room WHERE SerialNo = " & selectedSerialNo**

**Dim cmd As New OleDbCommand(query, conn)**

**Dim rowsAffected As Integer = cmd.ExecuteNonQuery()**

**If rowsAffected > 0 Then**

**MessageBox.Show("Record deleted successfully!", "Delete", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**Else**

**MessageBox.Show("Delete failed!", "Delete", MessageBoxButtons.OK, MessageBoxIcon.Error)**

**End If**

**conn.Close()**

**txtpatientname1.Clear()**

**txtmobile.Clear()**

**txtaddress.Clear()**

**txtroomrent.Clear()**

**ComboBoxfloar.SelectedIndex = -1**

**ComboBoxroomno.SelectedIndex = -1**

**ComboBoxbedno.SelectedIndex = -1**

**admitdate.Value = DateTime.Today**

**dischargedate.Value = DateTime.Today**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**selectedSerialNo = 0**

**End Sub**

**Private Sub btnsearch\_Click(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, RoomNo, Floar, FORMAT(AdmitDate, 'dd/MM/yyyy') AS AdmitDate, FORMAT(DischargeDate, 'dd/MM/yyyy') AS DischargeDate, RoomRent, Address, BedNo, Gender, MobileNo FROM Room WHERE 1 = 1"**

**If txtroomno.Text <> "" Then**

**query &= " And RoomNo = " & txtroomno.Text**

**End If**

**If txtpatientname.Text <> "" Then**

**query &= " And PatientName Like '%" & txtpatientname.Text & "%'"**

**End If**

**If txtmobileno.Text <> "" Then**

**query &= " AND MobileNo = '" & txtmobileno.Text & "'"**

**End If**

**If query = "SELECT SerialNo, PatientName, RoomNo, Floar, FORMAT(AdmitDate, 'dd/MM/yyyy') AS AdmitDate, FORMAT(DischargeDate, 'dd/MM/yyyy') AS DischargeDate, RoomRent, Address, BedNo, Gender, MobileNo FROM Room WHERE 1 = 1" Then**

**MessageBox.Show("Please enter at least one search criterion.", "Search", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**conn.Close()**

**Exit Sub**

**End If**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**conn.Close()**

**End Sub**

**Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**selectedSerialNo = CInt(row.Cells("SerialNo").Value)**

**txtpatientname1.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("MobileNo").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**txtroomrent.Text = row.Cells("RoomRent").Value.ToString()**

**ComboBoxfloar.Text = row.Cells("Floar").Value.ToString()**

**ComboBoxroomno.Text = row.Cells("RoomNo").Value.ToString()**

**ComboBoxbedno.Text = row.Cells("BedNo").Value.ToString()**

**Dim parsedDate As DateTime = DateTime.ParseExact(row.Cells("AdmitDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**admitdate.Value = parsedDate**

**Dim parsedDate1 As DateTime = DateTime.ParseExact(row.Cells("DischargeDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**dischargedate.Value = parsedDate1**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**txtpatientname.Clear()**

**txtmobileno.Clear()**

**txtroomno.Clear()**

**End Sub**

**Private Sub DeleteRoom\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**ComboBoxfloar.Enabled = False**

**ComboBoxroomno.Enabled = False**

**ComboBoxbedno.Enabled = False**

**admitdate.Enabled = False**

**dischargedate.Enabled = False**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**End Sub**

**End Class**

##### OPDBilling

##### 

**Imports System.Data.OleDb**

**Public Class OPDBilling**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub OPDBilling\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**ComboBoxpaymentmethod.Enabled = False**

**ComboBoxopdtype.Enabled = False**

**rbtnmale.Enabled = False**

**rbtnfemale.Enabled = False**

**rbtnother.Enabled = False**

**End Sub**

**Private Sub btnshowbill\_Click(sender As Object, e As EventArgs) Handles btnshowbill.Click**

**Dim billform As New BillForm(selectedSerialNo)**

**Home.LoadForm(billform)**

**End Sub**

**Private Sub DataGridView1\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**txtserial.Text = row.Cells("SerialNo").Value.ToString()**

**txtpatientnamedgv.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**ComboBoxopdtype.Text = row.Cells("OPDtype").Value.ToString()**

**txtfees.Text = row.Cells("Fees").Value.ToString()**

**ComboBoxpaymentmethod.Text = row.Cells("PaymentMethod").Value.ToString()**

**txtcity.Text = row.Cells("City").Value.ToString()**

**txtstate.Text = row.Cells("State").Value.ToString()**

**selectedSerialNo = CInt(row.Cells("SerialNo").Value)**

**Dim parsedDate As DateTime = DateTime.ParseExact(row.Cells("ODate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**OPDDate.Value = parsedDate**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**End Sub**

**Private Sub btnsearch\_Click(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, OPDtype, Fees, PaymentMethod, FORMAT(ODate, 'dd/MM/yyyy') AS ODate, City, State, Doctor FROM OPD WHERE 1=1"**

**If txtserial.Text.Trim() <> "" Then**

**query &= " AND SerialNo = " & txtserial.Text.Trim()**

**End If**

**If txtpatientname.Text.Trim() <> "" Then**

**query &= " AND PatientName LIKE '%" & txtpatientname.Text.Trim() & "%'"**

**End If**

**If txtmobileno.Text.Trim() <> "" Then**

**query &= " AND Mobile = '" & txtmobileno.Text.Trim() & "'"**

**End If**

**If query = "SELECT SerialNo, PatientName, Age, Address, Fees, PaymentMethod, OPDtype, Gender, ODate, Mobile, City, State, Doctor FROM OPD WHERE 1 = 1" Then**

**MessageBox.Show("Please enter at least one search criterion.", "Search", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**End Sub**

**End Class**

##### opdbill

##### 

**Imports System.Data.OleDb**

**Imports Microsoft.VisualBasic.PowerPacks**

**Imports Microsoft.VisualBasic.PowerPacks.Printing**

**Public Class opdbill**

**Dim Serial As Integer**

**Dim conn As New OleDb.OleDbConnection**

**Dim cmd As OleDb.OleDbCommand**

**Private PrintForm1 As New PrintForm(Me)**

**Public Sub New(ByVal serialNo As Integer)**

**InitializeComponent()**

**Serial = serialNo**

**End Sub**

**Private Sub opdbill\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim sql As String = "SELECT SerialNo, PatientName, Age, Address, Fees, PaymentMethod, OPDtype, Gender, FORMAT(ODate, 'dd/MM/yyyy') AS OPD\_Date, Mobile, City, State, Doctor FROM OPD WHERE SerialNo = " & Serial**

**cmd = New OleDbCommand(sql, conn)**

**Dim reader As OleDbDataReader = cmd.ExecuteReader()**

**If reader.Read() Then**

**lblpatientname.Text = reader("PatientName").ToString()**

**lblage.Text = reader("Age").ToString()**

**lblgender.Text = reader("Gender").ToString()**

**lblpaymentmethod.Text = reader("PaymentMethod").ToString()**

**lblfees3.Text = reader("Fees").ToString()**

**lblpatientname2.Text = reader("PatientName").ToString()**

**lblmobileno.Text = reader("Mobile").ToString()**

**lbldate.Text = reader("OPD\_Date").ToString()**

**lblfees.Text = reader("Fees").ToString()**

**lbladdress.Text = reader("Address").ToString()**

**lblopdtype.Text = reader("OPDType").ToString()**

**lblserial.Text = reader("SerialNo").ToString()**

**lblfees2.Text = reader("Fees").ToString()**

**lbldoctor.Text = reader("Doctor").ToString()**

**lblcity.Text = reader("City").ToString()**

**Else**

**MessageBox.Show("Patient not found.")**

**End If**

**reader.Close()**

**End Sub**

**Private Sub btnPrint\_Click(sender As Object, e As EventArgs) Handles btnprint.Click**

**btnprint.Visible = False**

**Me.Refresh()**

**PrintForm1.Print()**

**btnprint.Visible = True**

**End Sub**

**End Class**

##### XrayBilling

##### 

**Imports System.Data.OleDb**

**Public Class XrayBilling**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub XrayBilling\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**xrayd.Enabled = False**

**ComboBoxpaymentmethod.Enabled = False**

**rbtnmale.Enabled = False**

**rbtnfemale.Enabled = False**

**rbtnother.Enabled = False**

**End Sub**

**Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow**

**row = DataGridView1.Rows(e.RowIndex)**

**selectedSerialNo = CInt(row.Cells("SerialNo").Value)**

**txtserial.Text = row.Cells("SerialNo").Value.ToString()**

**txtpatient.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**ComboBoxpaymentmethod.Text = row.Cells("PaymentMethod").Value.ToString()**

**txtcity.Text = row.Cells("City").Value.ToString()**

**txtquantity.Text = row.Cells("Quantity").Value.ToString()**

**txtamount.Text = row.Cells("Amount").Value.ToString()**

**txtxraytype.Text = row.Cells("Xraytype").Value.ToString()**

**Dim parsedDate As DateTime**

**parsedDate = DateTime.ParseExact(row.Cells("XDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**xrayd.Value = parsedDate**

**Dim gender As String**

**gender = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then**

**rbtnmale.Checked = True**

**ElseIf gender = "Female" Then**

**rbtnfemale.Checked = True**

**ElseIf gender = "Other" Then**

**rbtnother.Checked = True**

**End If**

**End If**

**End Sub**

**Private Sub btncancel\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btncancel.Click**

**ClearFields()**

**Me.Close()**

**End Sub**

**Private Sub ClearFields()**

**txtserial.Clear()**

**txtpatient.Clear()**

**txtmobile.Clear()**

**txtage.Clear()**

**txtaddress.Clear()**

**ComboBoxpaymentmethod.SelectedIndex = -1**

**txtcity.Clear()**

**txtamount.Clear()**

**txtxraytype.Clear()**

**txtquantity.Clear()**

**xrayd.Value = DateTime.Today**

**rbtnmale.Checked = False**

**rbtnfemale.Checked = False**

**rbtnother.Checked = False**

**End Sub**

**Private Sub btnshowbill\_Click(sender As Object, e As EventArgs) Handles btnshowbill.Click**

**Dim billform As New xraybill(selectedSerialNo)**

**Home.LoadForm(billform)**

**End Sub**

**Private Sub btnsearch\_Click\_2(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Open Then conn.Close()**

**DataGridView1.DataSource = Nothing**

**DataGridView1.Refresh()**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Mobile, Age, Address, Gender, XrayType, PaymentMethod, FORMAT(XDate, 'dd/MM/yyyy') AS XDate, City, Quantity, Amount FROM Xray WHERE 1=1"**

**If txtserial.Text <> "" Then query &= " AND SerialNo = " & txtserial.Text**

**If txtpatientname.Text <> "" Then query &= " AND PatientName LIKE '%" & txtpatientname.Text & "%'"**

**If txtmobileno.Text <> "" Then query &= " AND Mobile = '" & txtmobileno.Text & "'"**

**conn.Open()**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**conn.Close()**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**End Sub**

**End Class**

##### xraybill

##### 

**Imports System.Data.OleDb**

**Imports Microsoft.VisualBasic.PowerPacks.Printing**

**Public Class xraybill**

**Dim Serial As Integer**

**Dim conn As New OleDb.OleDbConnection**

**Dim cmd As OleDb.OleDbCommand**

**Private PrintForm1 As New PrintForm(Me)**

**Public Sub New(ByVal serialNo As Integer)**

**InitializeComponent()**

**Serial = serialNo**

**End Sub**

**Private Sub xraybill\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim sql As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, Xraytype, Gender, FORMAT(XDate, 'dd/MM/yyyy') AS XDate, Mobile, City, Quantity, Amount FROM Xray WHERE SerialNo = " & Serial**

**cmd = New OleDbCommand(sql, conn)**

**Dim reader As OleDbDataReader = cmd.ExecuteReader()**

**If reader.Read() Then**

**lblpatientname.Text = reader("PatientName").ToString()**

**lblage.Text = reader("Age").ToString()**

**lblgender.Text = reader("Gender").ToString()**

**lblpaymentmethod.Text = reader("PaymentMethod").ToString()**

**lblmobileno.Text = reader("Mobile").ToString()**

**lbldate.Text = reader("XDate").ToString()**

**lblfees.Text = reader("Amount").ToString()**

**lbladdress.Text = reader("Address").ToString()**

**lblxraytype.Text = reader("Xraytype").ToString()**

**lblserial.Text = reader("SerialNo").ToString()**

**lblfees2.Text = reader("Amount").ToString()**

**lblcity.Text = reader("City").ToString()**

**lblfees3.Text = reader("Amount").ToString()**

**lblpatientname2.Text = reader("PatientName").ToString()**

**lblqty.Text = reader("Quantity").ToString()**

**Else**

**MessageBox.Show("Patient not found.")**

**End If**

**reader.Close()**

**conn.Close()**

**End Sub**

**Private Sub btnPrint\_Click(sender As Object, e As EventArgs) Handles btnprint.Click**

**btnprint.Visible = False**

**Me.Refresh()**

**PrintForm1.Print()**

**btnprint.Visible = True**

**End Sub**

**Private Sub lblfees2\_Click(sender As Object, e As EventArgs) Handles lblfees2.Click**

**End Sub**

**End Class**

##### LabTestBilling

##### 

**Imports System.Data.OleDb**

**Public Class LabTestBilling**

**Dim conn As New OleDbConnection**

**Dim da As OleDbDataAdapter**

**Dim dt As DataTable**

**Dim selectedSerialNo As Integer**

**Private Sub btnsearch\_Click(sender As Object, e As EventArgs) Handles btnsearch.Click**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**DataGridView1.DataSource = Nothing**

**DataGridView1.Refresh()**

**dt = New DataTable()**

**Dim query As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Amount, Quantity FROM LabTest WHERE 1=1"**

**If txtserial.Text <> "" Then**

**query &= " AND SerialNo = " & txtserial.Text**

**End If**

**If txtpatientname.Text <> "" Then**

**query &= " AND PatientName LIKE '%" & txtpatientname.Text & "%'"**

**End If**

**If txtmobileno.Text <> "" Then**

**query &= " AND Mobile = '" & txtmobileno.Text & "'"**

**End If**

**If query = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Amount, Quantity FROM LabTest WHERE 1=1" Then**

**MessageBox.Show("Please enter at least one search criterion.", "Search", MessageBoxButtons.OK, MessageBoxIcon.Warning)**

**Exit Sub**

**End If**

**da = New OleDbDataAdapter(query, conn)**

**da.Fill(dt)**

**DataGridView1.DataSource = dt**

**If dt.Rows.Count = 0 Then**

**MessageBox.Show("No records found!", "Search", MessageBoxButtons.OK, MessageBoxIcon.Information)**

**End If**

**conn.Close()**

**End Sub**

**Private Sub DataGridView1\_CellClick(ByVal sender As Object, ByVal e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick**

**If e.RowIndex >= 0 Then**

**Dim row As DataGridViewRow = DataGridView1.Rows(e.RowIndex)**

**selectedSerialNo = row.Cells("SerialNo").Value**

**txtserial.Text = row.Cells("SerialNo").Value.ToString()**

**txtpatient.Text = row.Cells("PatientName").Value.ToString()**

**txtmobile.Text = row.Cells("Mobile").Value.ToString()**

**txtage.Text = row.Cells("Age").Value.ToString()**

**txtselectedtest.Text = row.Cells("TestName").Value.ToString()**

**txtaddress.Text = row.Cells("Address").Value.ToString()**

**ComboBoxpaymentmethod.Text = row.Cells("PaymentMethod").Value.ToString()**

**txtcity.Text = row.Cells("City").Value.ToString()**

**txtamount.Text = row.Cells("Amount").Value.ToString()**

**txtquantity.Text = row.Cells("Quantity").Value.ToString()**

**Dim parsedDate As DateTime = DateTime.ParseExact(row.Cells("TestDate").Value.ToString(), "dd/MM/yyyy", Nothing)**

**TDate.Value = parsedDate**

**Dim gender As String = row.Cells("Gender").Value.ToString()**

**If gender = "Male" Then rbtnmale.Checked = True**

**If gender = "Female" Then rbtnfemale.Checked = True**

**If gender = "Other" Then rbtnother.Checked = True**

**End If**

**End Sub**

**Private Sub btnshowbill\_Click(sender As Object, e As EventArgs) Handles btnshowbill.Click**

**Dim billform As New labtestbill(selectedSerialNo)**

**Home.LoadForm(billform)**

**End Sub**

**Private Sub LabTestBilling\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**If conn.State = ConnectionState.Open Then conn.Close()**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**TDate.Enabled = False**

**ComboBoxpaymentmethod.Enabled = False**

**rbtnmale.Enabled = False**

**rbtnfemale.Enabled = False**

**rbtnother.Enabled = False**

**End Sub**

**End Class**

##### labtestbill

##### 

**Imports Microsoft.VisualBasic.PowerPacks.Printing**

**Imports System.Data.OleDb**

**Public Class labtestbill**

**Dim Serial As Integer**

**Dim conn As New OleDb.OleDbConnection**

**Dim cmd As OleDb.OleDbCommand**

**Private PrintForm1 As New PrintForm(Me)**

**Public Sub New(ByVal serialNo As Integer)**

**InitializeComponent()**

**Serial = serialNo**

**End Sub**

**Private Sub labtestbill\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim Sql As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Amount, Quantity FROM LabTest WHERE SerialNo = " & Serial**

**cmd = New OleDbCommand(Sql, conn)**

**Dim reader As OleDbDataReader = cmd.ExecuteReader()**

**If reader.Read() Then**

**lblpatientname.Text = reader("PatientName").ToString()**

**lblage.Text = reader("Age").ToString()**

**lblgender.Text = reader("Gender").ToString()**

**lblpaymentmethod.Text = reader("PaymentMethod").ToString()**

**lblmobileno.Text = reader("Mobile").ToString()**

**lbldate.Text = reader("TestDate").ToString()**

**lblfees.Text = reader("Amount").ToString()**

**lbladdress.Text = reader("Address").ToString()**

**lbltestname.Text = reader("TestName").ToString()**

**lblserial.Text = reader("SerialNo").ToString()**

**lblfees2.Text = reader("Amount").ToString()**

**lblcity.Text = reader("City").ToString()**

**lblquantity.Text = reader("Quantity").ToString()**

**lblfees3.Text = reader("Amount").ToString**

**lblpatientname2.Text = reader("PatientName").ToString**

**Else**

**MessageBox.Show("Patient not found.")**

**End If**

**reader.Close()**

**conn.Close()**

**End Sub**

**Private Sub btnPrint\_Click(sender As Object, e As EventArgs) Handles btnprint.Click**

**btnprint.Visible = False**

**Me.Refresh()**

**PrintForm1.Print()**

**btnprint.Visible = True**

**End Sub**

**End Class**

##### RoomBilling

##### 

**Imports Microsoft.VisualBasic.PowerPacks.Printing**

**Imports System.Data.OleDb**

**Public Class labtestbill**

**Dim Serial As Integer**

**Dim conn As New OleDb.OleDbConnection**

**Dim cmd As OleDb.OleDbCommand**

**Private PrintForm1 As New PrintForm(Me)**

**Public Sub New(ByVal serialNo As Integer)**

**InitializeComponent()**

**Serial = serialNo**

**End Sub**

**Private Sub labtestbill\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim Sql As String = "SELECT SerialNo, PatientName, Age, Address, PaymentMethod, TestName, Gender, FORMAT(LDate, 'dd/MM/yyyy') AS TestDate, Mobile, City, Amount, Quantity FROM LabTest WHERE SerialNo = " & Serial**

**cmd = New OleDbCommand(Sql, conn)**

**Dim reader As OleDbDataReader = cmd.ExecuteReader()**

**If reader.Read() Then**

**lblpatientname.Text = reader("PatientName").ToString()**

**lblage.Text = reader("Age").ToString()**

**lblgender.Text = reader("Gender").ToString()**

**lblpaymentmethod.Text = reader("PaymentMethod").ToString()**

**lblmobileno.Text = reader("Mobile").ToString()**

**lbldate.Text = reader("TestDate").ToString()**

**lblfees.Text = reader("Amount").ToString()**

**lbladdress.Text = reader("Address").ToString()**

**lbltestname.Text = reader("TestName").ToString()**

**lblserial.Text = reader("SerialNo").ToString()**

**lblfees2.Text = reader("Amount").ToString()**

**lblcity.Text = reader("City").ToString()**

**lblquantity.Text = reader("Quantity").ToString()**

**lblfees3.Text = reader("Amount").ToString**

**lblpatientname2.Text = reader("PatientName").ToString**

**Else**

**MessageBox.Show("Patient not found.")**

**End If**

**reader.Close()**

**conn.Close()**

**End Sub**

**Private Sub btnPrint\_Click(sender As Object, e As EventArgs) Handles btnprint.Click**

**btnprint.Visible = False**

**Me.Refresh()**

**PrintForm1.Print()**

**btnprint.Visible = True**

**End Sub**

**End Class**

##### Roombill

##### 

**Imports Microsoft.VisualBasic.PowerPacks.Printing**

**Imports System.Data.OleDb**

**Public Class RoomBill**

**Dim Serial As Integer**

**Dim conn As New OleDbConnection**

**Dim cmd As OleDbCommand**

**Private PrintForm1 As New PrintForm(Me)**

**Public Sub New(ByVal serialNo As Integer)**

**InitializeComponent()**

**Serial = serialNo**

**End Sub**

**Private Sub BillForm\_Load(sender As Object, e As EventArgs) Handles MyBase.Load**

**conn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\SAHIL\source\repos\Hospital Management Software\DataBase\Dhayal Hospital.accdb"**

**If conn.State = ConnectionState.Closed Then**

**conn.Open()**

**End If**

**Dim sql As String = "SELECT SerialNo, PatientName, RoomNo, Floar, FORMAT(AdmitDate, 'dd/MM/yyyy') AS AdmitDate, FORMAT(DischargeDate, 'dd/MM/yyyy') AS DischargeDate, RoomRent, Address, BedNo, Gender, MobileNo FROM Room WHERE SerialNo = " & Serial**

**cmd = New OleDbCommand(sql, conn)**

**Dim reader As OleDbDataReader = cmd.ExecuteReader()**

**If reader.Read() Then**

**lblpatientname.Text = reader("PatientName").ToString()**

**lbladdress.Text = reader("Address").ToString()**

**lblgender.Text = reader("Gender").ToString()**

**lblfloar.Text = reader("Floar").ToString()**

**lblmobileno.Text = reader("MobileNo").ToString()**

**lbladmitdate.Text = reader("AdmitDate").ToString()**

**lbldischargedate.Text = reader("DischargeDate").ToString()**

**lblroono.Text = reader("RoomNo").ToString()**

**lblbedno.Text = reader("BedNo").ToString()**

**lblserial.Text = reader("SerialNo").ToString()**

**lblrent.Text = reader("RoomRent").ToString()**

**lblfees2.Text = reader("RoomRent").ToString()**

**lblfees3.Text = reader("RoomRent").ToString()**

**lblpatientname2.Text = reader("PatientName").ToString()**

**Else**

**MessageBox.Show("Patient not found.")**

**End If**

**reader.Close()**

**conn.Close()**

**End Sub**

**Private Sub btnPrint\_Click(sender As Object, e As EventArgs) Handles btnprint.Click**

**btnprint.Visible = False**

**Me.Refresh()**

**PrintForm1.Print()**

**btnprint.Visible = True**

**End Sub**

**End Class**

##### Conclusion

The project that I underwent was truly a very rewarding experience for me in more than one way. It has also helped me enhance my skills on the personal front.

And I feel truly satisfied by the fact that getting a chance to work in such a real live application project is rare. I think I have exploited the opportunity that came my way to the fullest extent by increasing my technical know-how and also gaining the valuable work experience from the esteemed organization.

I truly gained an insight into the working of the standalone systems. This was even more rewarding as it was a typical real world. This project has strengthened my knowledge of the Visual Basic.Net, ADO.Net and Microsoft Access.

**Books References**

### REFERENCES

* Application Development using VB.Net, Kalyani Publishers
* Joe Mayo, “Microsoft Visual Studio2010:A Beginner's Guide”, Tata McGraw Hill, 2010.
* Alex Mackey, “Introducing.NET 4.0:With Visual Studio 2010”, Press, USA, 2010.

###### WEBSITES

* [**http://www.msdn.net/**](http://www.msdn.net/)
* [**http://msdn.microsoft.com/en-us/library/orm-9780596518455-02.aspx**](http://msdn.microsoft.com/en-us/library/orm-9780596518455-02.aspx)
* [**http://www.dotnetspider.net/**](http://www.dotnetspider.net/)
* [**http://www.stackoverflow.com**](http://www.stackoverflow.com/)
* [**http://www.codeproject.com**](http://www.codeproject.com/)
* [**http://www.tutorialspoint.com**](http://www.tutorialspoint.com/)
* [**http://www.javatpoint.com/vb-net**](http://www.javatpoint.com/vb-net)