



Sadguru Gadage Maharaj College, Karad.

**A
PROJECT REPORT
ON**

College Management System

**SUBMITTED TO,
Shivaji University, Kolhapur**

**Through
Department of Computer Science
Sadguru Gadage Maharaj College, Karad**

**IN PARTIAL FULFILLMENT OF THE DEGREE
Bachelor of Computer Science (B.C.S.)
Part-III**

**By
Nikhil Manik Dingane**

Year: 2018-19



This is to certify that **Nikhil Manik Dingane** have satisfactorily completed the Major project entitled as “**College Management System**” in the partial fulfilment of **B.C.S. Part-III** during the academic year **2018-19**.

Place: Karad

Date: .../.../2019

Guide

Examiner

Head of Department

Dept. of Computer Science
S.G.M. College, Karad.



We hereby declare that, the Industrial project entitled “*College Management System*” *has* not formed earlier the basis for the award of any degree of this or any other University or examination body.

Further we declared that we have not violated any of the provisions under copyright act.

Place: Karad

Date: / /2019

Name	Exam Seat No.	Sign
1.Dingane Nikhil Manik		

ACKNOWLEDGEMENT

We will take this opportunity to express our gratitude thank to all those people without whom this 'Project' would not have been succeeded. Every helping hand has their own special way contributed towards the success of this project.

We would like to sincere thanks to our teachers and colleges for their variable co-operation and support, without whom it was difficult to complete this 'Project'.

We are very grateful to our college management for providing

us with a well establishment laboratory support to perform this work in college.

We sincerely thank to Prof. A.A.Patil for their precious guidance, which enable us to complete our project successfully . We are also very thankful, Prof. A.A.Patil for their contribution for the improvement in the project to make it more elegant .

Also we would like to express our thanks to all staff members and those who directly and indirectly supported us to complete this project.

Date:

Your's Sincerely,

Place: Karad

Mr. Nikhil Manik Dingane

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Introduction

Friends in the 21st century, we are living in the automated and computerized world and our lives are becoming faster even then airflows. Change need as like lifestyle.

Everyone is rushing to this job restlessly. The project “COLLEGE MANAGEMENT SYSTEM” is done to make the manual process by making it a computerized system for billing and maintaining stock.

This process is made computerized and the customer's name, address and stock details are stored in a database.

Objectives

This project will server the following objectives.

1. Add and maintain records of Employee Details.
2. Add and maintain Students Details.
3. Add and maintain description of Books.
4. Make an easy to use environment for user.
5. Provide a convenient solution of billing pattern.
6. Provide easy issuing and returning books.
7. Provide financial report to the owner.

Scope of the System

I want this system to make the life easier by getting reports and bills. It saves lot of time and energy in order to make schedule from his busy hours. As this system is very cost effective user need not spend extra money. It can analyse the people around it and create a good image of them by wishing the people for very important moment in their life. This system helps it to make better in arena of relatives, friends as well as business partners. This system includes future occasion dates by analysing these dates he can schedule itself for upcoming events and prepared for that.

This system has strong report support to report it can see history of event. It can also keep track of important date and help to fix meeting or appointment for the business.

Existing System

- With the change in looks of the “College” world over and the concept convenience being built in at college detail outlet.
- The colleges are rapidly going for automatic to manage their admissions and all transactions with easy way.
- College system outlet going through change and required college management software which can help them to automation.
- Increase efficiency and provide instant automobile report & MIS for timely decision making.

Proposed System

- User can easily understand how handle this system
- Large data can be handled very efficiently.
- This system computerized all data is storing all data of students ,fees, employee details along with salary and also product details.
- Validation at the time of entering data, so no chances of duplication of data.
- Reduce the cost of maintaining system

Hardware/Software Requirement

- **Hardware Platform-**

- Processor – Pentium core and above
- RAM – 512MB and above
- Hard disk – 20 GB

- **Software Platform –**

- Frontend Used – Microsoft Visual Studio 2017
- Backend Used – SQL Server 2008
- Report – SAP (Crystal Reports)
- Windows 7 Or More Advanced.

SYSTEM ANALYSIS AND DESIGN

Analysis

Requirement Analysis

Any software development life cycle first require systematic gathering and analysis data. To collect information for developing system we had done in three ways as

1. Onsite observation

It means observing the format of how the record is saved, how the billing is formed, transaction process etc.

2. Going through manual documents

Documents such as bills, purchase order, forms etc. were examined and we took its data where it was required.s

Feasibility Study

It is useful to evaluate cost and benefit of the system requested. It tries to anticipate future scenario of software development. There are three aspect of feasibility study.

It is do not determine the possibility of either improved the existence system.

1. Technical Feasibility

It always focuses on the existing computer hardware, software and personal. Here the available hardware and software is considered. It also includes the need for more hardware or software or personnel and possibility installing such a facility.

Accordingly, the hardware and software installed and computer is upgraded.

2. Economic Feasibility

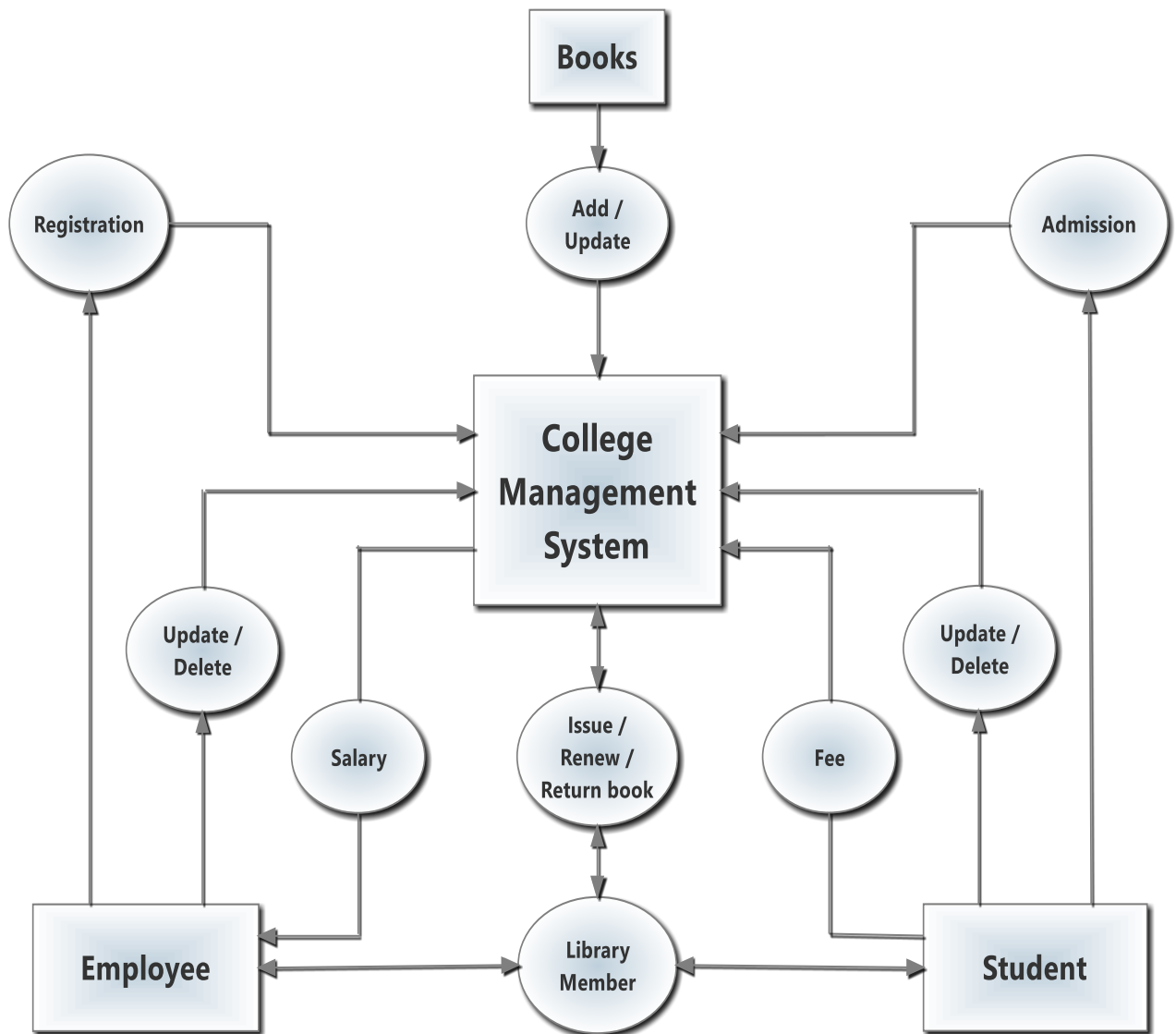
It considers the cost and benefit of the proposed project. The benefit is always expected to be over the cost.

3. Operational Feasibility

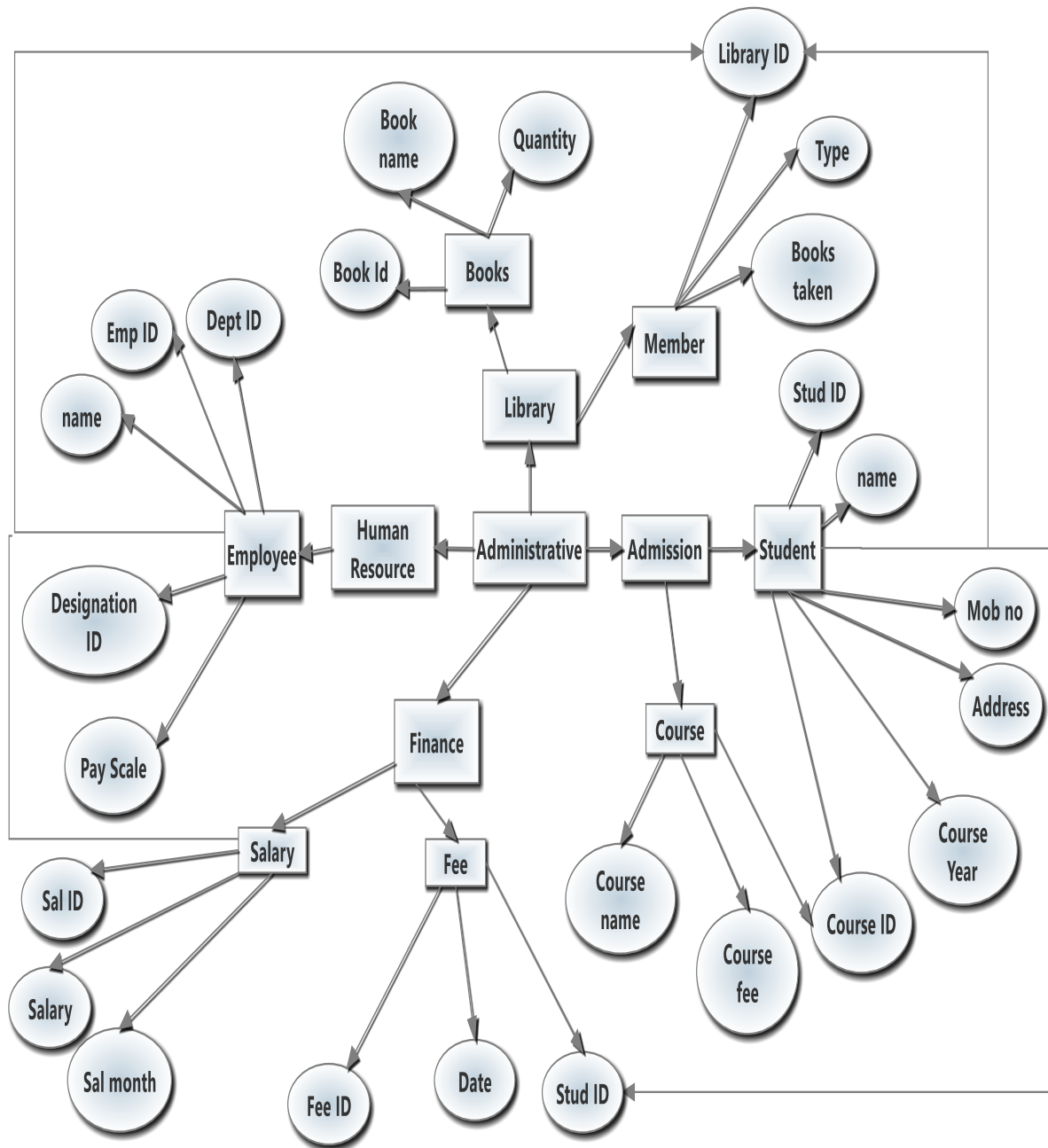
It considers the acceptability of the system. A project may be rejected due to operational non-feasibility if cheque whether the system will be used if it is developed.

Flow Diagram

-Data Flow Diagram



Entity Relationship Diagram



Database Design

-Table design

Book_Master

DESKTOP-NICK\LOC...dbo.Book_Master			
	Column Name	Data Type	Allow Nulls
PK	Book_Id	numeric(18, 0)	<input type="checkbox"/>
	Book_Title	nvarchar(50)	<input type="checkbox"/>
	Author	nvarchar(50)	<input type="checkbox"/>
	Edition	nvarchar(50)	<input type="checkbox"/>
	Quantity	int	<input type="checkbox"/>
	Date	date	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Course_Master

DESKTOP-NICK\LOC...bo.Course_Master			
	Column Name	Data Type	Allow Nulls
PK	Course_Id	int	<input type="checkbox"/>
	Dept_Id	numeric(18, 0)	<input type="checkbox"/>
	Course_Name	nvarchar(50)	<input type="checkbox"/>
	Fee	numeric(18, 0)	<input type="checkbox"/>
	Years	int	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Department_Master

DESKTOP-NICK\LOC...epartment_Master			
	Column Name	Data Type	Allow Nulls
PK	Dept_Id	numeric(18, 0)	<input type="checkbox"/>
	Dept_Name	nvarchar(50)	<input type="checkbox"/>
	Dept_Type	int	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Designation_Master

DESKTOP-NICK\LOC...esignation_Master			
	Column Name	Data Type	Allow Nulls
PK	Designation_Id	numeric(18, 0)	<input type="checkbox"/>
	Designation_Name	nvarchar(50)	<input type="checkbox"/>
	Designation_Type	nvarchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

Employee_Master

DESKTOP-NICK\LOC...Employee_Master			
	Column Name	Data Type	Allow Nulls
PK	Emp_Id	numeric(18, 0)	<input type="checkbox"/>
	First_Name	nvarchar(50)	<input type="checkbox"/>
	Middle_Name	nvarchar(50)	<input type="checkbox"/>
	Surname	nvarchar(50)	<input type="checkbox"/>
	UIN	numeric(18, 0)	<input type="checkbox"/>
	Gender	nvarchar(10)	<input type="checkbox"/>
	Phone	numeric(10, 0)	<input type="checkbox"/>
	Qaulification	nvarchar(50)	<input type="checkbox"/>
	Email	nvarchar(50)	<input checked="" type="checkbox"/>
	Designation	numeric(18, 0)	<input type="checkbox"/>
	Adderss	nvarchar(50)	<input type="checkbox"/>
	Experiance	nvarchar(20)	<input type="checkbox"/>
	Experiance_Year	int	<input checked="" type="checkbox"/>
	Original_Document_Che...	nvarchar(10)	<input type="checkbox"/>
	Department	numeric(18, 0)	<input type="checkbox"/>
	Pay_Scale	numeric(18, 0)	<input type="checkbox"/>
	Library_Id	numeric(18, 0)	<input checked="" type="checkbox"/>
	Date	date	<input type="checkbox"/>
			<input type="checkbox"/>

Fee_Master

DESKTOP-NICK\LOC...- dbo.Fee_Master			
	Column Name	Data Type	Allow Nulls
PK	Fee_Id	numeric(18, 0)	<input type="checkbox"/>
	Stud_Id	numeric(18, 0)	<input type="checkbox"/>
	Course_Year	int	<input type="checkbox"/>
	Course_Fee	numeric(18, 0)	<input type="checkbox"/>
	Paid_Fee	numeric(18, 0)	<input type="checkbox"/>
	Remaining_Fee	numeric(18, 0)	<input type="checkbox"/>
			<input type="checkbox"/>

Fee_Details

DESKTOP-NICK\LOC...- dbo.Fee_Details			
	Column Name	Data Type	Allow Nulls
PK	Id	int	<input type="checkbox"/>
	Fee_Id	numeric(18, 0)	<input type="checkbox"/>
	Ammount	numeric(18, 0)	<input type="checkbox"/>
	Date	date	<input type="checkbox"/>
			<input type="checkbox"/>

Library_Master

DESKTOP-NICK\LOC...bo.Library_Master			
	Column Name	Data Type	Allow Nulls
PK	Library_Id	numeric(18, 0)	<input type="checkbox"/>
	Entry	varchar(50)	<input type="checkbox"/>
	Books_Taken	int	<input type="checkbox"/>
	Membarship_Date	date	<input type="checkbox"/>
			<input type="checkbox"/>

Library_Details

DESKTOP-NICK\LOCA...o.Library_Details			
	Column Name	Data Type	Allow Nulls
PK	Issue_Id	numeric(18, 0)	<input type="checkbox"/>
	Library_Id	numeric(18, 0)	<input type="checkbox"/>
	Book_Id	numeric(18, 0)	<input type="checkbox"/>
	Issued_Date	date	<input type="checkbox"/>
	Receiving_Date	date	<input type="checkbox"/>
	Returned_Date	date	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Login_Dept

DESKTOP-NICK\LOC...- dbo.Login_Dept			
	Column Name	Data Type	Allow Nulls
PK	Id	int	<input type="checkbox"/>
	Dept_Name	nvarchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

Pay_Scale_Master

DESKTOP-NICK\LOC....Pay_Scale_Master			
	Column Name	Data Type	Allow Nulls
PK	Pay_Scale	numeric(18, 0)	<input type="checkbox"/>
	Salary_Per_Day	numeric(18, 0)	<input type="checkbox"/>
			<input type="checkbox"/>


Salary_Details

DESKTOP-NICK\LOCA...bo.Salary_Details			
	Column Name	Data Type	Allow Nulls
PK	Salary_Id	numeric(18, 0)	<input type="checkbox"/>
	Emp_Id	numeric(18, 0)	<input type="checkbox"/>
	Salary_Month	nvarchar(20)	<input type="checkbox"/>
	leaves	int	<input type="checkbox"/>
	Sal_For_Days	numeric(18, 0)	<input type="checkbox"/>
	Salary	numeric(18, 0)	<input type="checkbox"/>
	Salary_Date	date	<input type="checkbox"/>
			<input type="checkbox"/>

Student_Master

DESKTOP-NICK\LOC...o.Student_Master			
	Column Name	Data Type	Allow Nulls
	Id	numeric(18, 0)	<input type="checkbox"/>
	Application_Number	numeric(18, 0)	<input type="checkbox"/>
	First_Name	nvarchar(50)	<input type="checkbox"/>
	Middle_Name	nvarchar(50)	<input type="checkbox"/>
	Surname	nvarchar(50)	<input type="checkbox"/>
	Gender	varchar(10)	<input type="checkbox"/>
	DOB	date	<input checked="" type="checkbox"/>
	Nationality	varchar(50)	<input type="checkbox"/>
	Relegion	varchar(50)	<input type="checkbox"/>
	Cast_Name	nvarchar(50)	<input type="checkbox"/>
	Mob_No	numeric(18, 0)	<input type="checkbox"/>
	Email	nvarchar(50)	<input checked="" type="checkbox"/>
	Address	nvarchar(100)	<input type="checkbox"/>
	UIN	numeric(18, 0)	<input type="checkbox"/>
	Guardian_Name	varchar(50)	<input type="checkbox"/>
	Father_Name	varchar(50)	<input checked="" type="checkbox"/>
	Occupation	varchar(50)	<input checked="" type="checkbox"/>
	Father_Phone_Number	varchar(50)	<input checked="" type="checkbox"/>
	Relation	varchar(50)	<input type="checkbox"/>
	Course_Id	int	<input type="checkbox"/>
	Course_Year	int	<input type="checkbox"/>
	Library_Id	numeric(18, 0)	<input checked="" type="checkbox"/>
	Blood_Group	nvarchar(10)	<input checked="" type="checkbox"/>
	Admission_Date	date	<input checked="" type="checkbox"/>

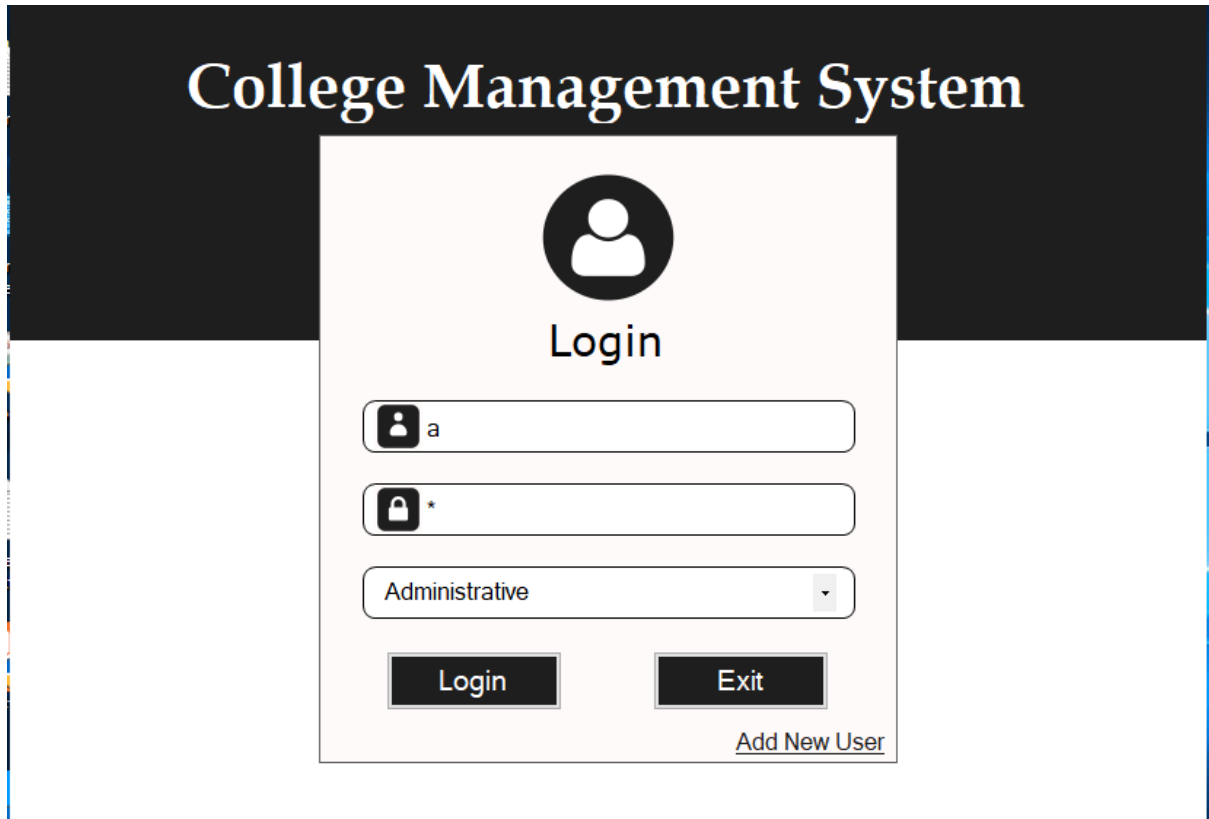
User_Master

DESKTOP-NICK\LOC...- dbo.User_Master			
	Column Name	Data Type	Allow Nulls
	Id	int	<input type="checkbox"/>
	UName	nvarchar(50)	<input type="checkbox"/>
	PWord	nvarchar(50)	<input type="checkbox"/>
	Dept_Name	nvarchar(50)	<input type="checkbox"/>
			<input type="checkbox"/>

FORM DESIGN

Design

Form_Login



The login form is centered on a white background with a dark blue header. The header contains the text "College Management System" in a large, white, serif font. Below the header is a white rectangular box containing the login interface. At the top of this box is a black circular icon with a white person silhouette, followed by the word "Login" in a black serif font. Below this are three input fields: the first has a black person icon and the letter "a"; the second has a black padlock icon and an asterisk "*"; the third is a dropdown menu with "Administrative" selected. At the bottom of the box are two black buttons labeled "Login" and "Exit", and a link labeled "Add New User" in blue text.

College Management System

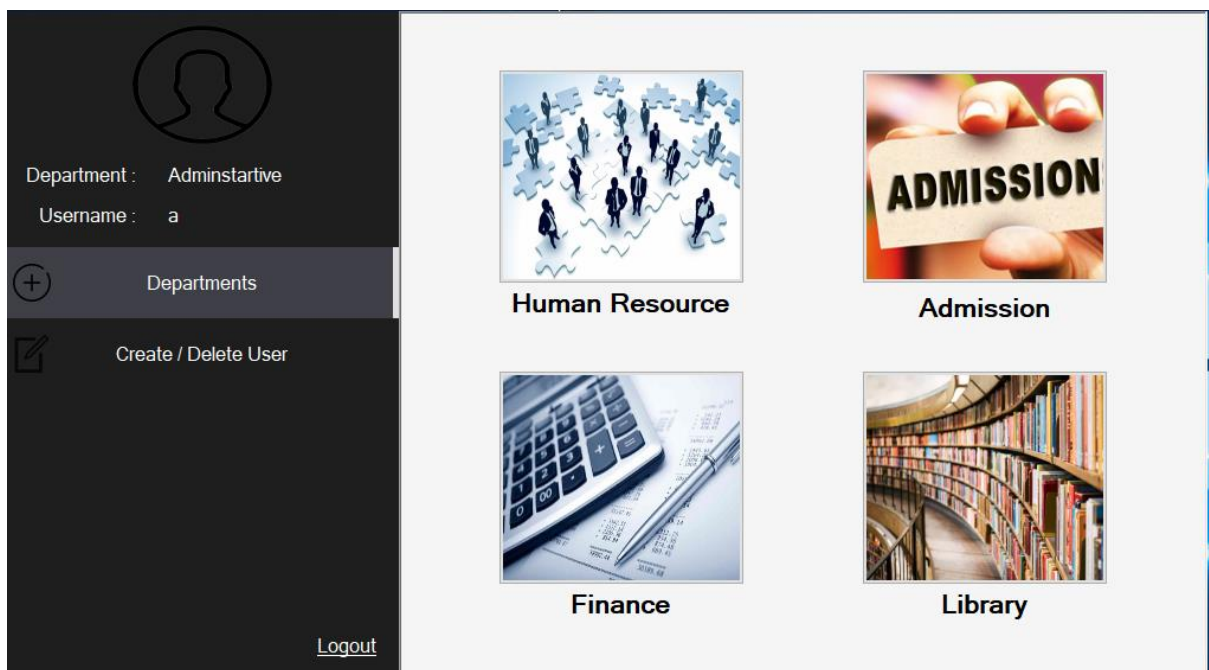
Login

Administrative

Login Exit

[Add New User](#)

Form_Administrative (Departments)



The administrative form has a dark blue sidebar on the left and a light gray main area. The sidebar contains a black circular icon with a white person silhouette, followed by the text "Department : Adminstrative" and "Username : a". Below this are two buttons: "Departments" with a plus icon and "Create / Delete User" with a pencil icon. At the bottom of the sidebar is a link labeled "Logout" in blue text. The main area contains four square tiles, each with an image and a label: "Human Resource" with an image of people on puzzle pieces, "Admission" with an image of a hand holding a sign that says "ADMISSION", "Finance" with an image of a calculator and a pen, and "Library" with an image of a library interior.

Department : Adminstrative

Username : a

Departments

Create / Delete User

Logout


Human Resource

Admission

Finance

Library

Form_Administrative(Users)



Department : Adminstrative
Username : a

+ Departments

Create / Delete User

Logout

☐ New User
 ☐ Delete User

USERNAME :

Password :


Comfirm Password :

Gender :

Create

Delete

Form_Admission(Add Student)



Department : Admission(admin)
Username : a

+ New Admission

Update Student

Reports

Logout

Application Details :

Application No. :

Admission Date :

Application Details :

Department :

Course :

Course Year :

Student ID :

First Name :

Middle Name :

Last Name :

Gender :

DOB :

Nationality :

Religion :

Caste :

Mob No. :

Address :

Student UIN :

Father Name :

Occupation :

Annual Income :

Guardian Name :

Relationship :

Guardian Mob No :

Blood Group :






Course Fee :

Email ID :

Submit


Clear

Form_Admission(Update Student)

 Department : Admission(admin) Username : a  New Admission  Update Student  Reports Logout	Student ID :	<input type="text"/>		Update Date :	<input type="text"/>
	First Name :	<input type="text"/>	Middle Name :	<input type="text"/>	
	Last Name :	<input type="text"/>	Mob No. :	<input type="text"/>	
	Course :	<input type="text"/>	Guardian Name :	<input type="text"/>	
	Course Year :	<input type="text" value="Select"/>	Guardian Mob No :	<input type="text"/>	
	Email ID :	<input type="text"/>	Address :	<input type="text"/>	
	<input type="button" value="Update"/>		<input type="button" value="Clear"/>		

Form_Admission(Student Information)


College Management System



Department : Finance(admin)
Username : a

+

Fee Collection



View Pending Student Fees

i

Employee Salary Payment

i

Fee Report

i

Salary Report

Logout

Standard :

Year :

Department :

Course :


Course Year :

Search

Reset

	Id	Application_Numbe	First_Name	Middle_Name	Surname	Gender	DOB	Nation
▶	13	2343	dsfddf	dfadf	dfadf	Select		Indian
	14	3223	fdf	fdf	adf	Select	03-02-2019	dafad
	15	323	dsdsfad	dfadf	dfadf	Select	03-03-2019	dfad
	16	3243	rtnt	fgsfdg	gsfgrgs	Select	03-03-2019	rtret
	17	232	dsafdf	fdf	adfadf	Select	03-03-2019	Indian
	18	232	dsafdf	fdf	adfadf	Select	03-03-2019	Indian
	19	232	dsafdf	fdf	adfadf	Select	03-03-2019	Indian
	20	232	dsafdf	fdf	adfadf	Select	03-03-2019	Indian
	21	232	dsafdf	fdf	adfadf	Select	03-03-2019	Indian
	22	232	dsafdf	fdf	adfadf	Select	03-03-2019	Indian
	23	232	dsafdf	fdf	adfadf	Select	03-03-2019	Indian


Finance(Fee Collection)



Department : Finance(admin)
Username : a

+

Fee Collection



View Pending Student Fees

i

Employee Salary Payment

i

Fee Report

i

Salary Report

Logout

Student ID :

Date :

Student Name :

Course Year :

Middle Name :

Course Fee :

Last Name :

Paid Fee :

Department :

Remaining Fee :

Course :


Fee to Pay :

Collect

New

Finance(View Pending Student Fees)

College Management System



Department : Finance(admin)
Username : a

+ Fee Collection

View Pending Student Fees

i Employee Salary Payment

i Fee Report

i Salary Report

[Logout](#)

Standard :

Year :

Department :


Course :

Course Year :

Search **Reset**

	Id	Application_Number	First_Name	Middle_Name	Surname	Gender	DOB	Nation
▶	13	2343	dsfddf	dfadf	dfadf	Select		Indian
	14	3223	fadf	fadf	adf	Select	03-02-2019	dafad
	15	323	dsdsfad	dfadf	dfadf	Select	03-03-2019	dfad
	16	3243	rtnt	fgsfog	gsfogs	Select	03-03-2019	rtret
	17	232	dsafdf	fadf	adfadf	Select	03-03-2019	Indian
	18	232	dsafdf	fadf	adfadf	Select	03-03-2019	Indian
	19	232	dsafdf	fadf	adfadf	Select	03-03-2019	Indian
	20	232	dsafdf	fadf	adfadf	Select	03-03-2019	Indian
	21	232	dsafdf	fadf	adfadf	Select	03-03-2019	Indian
	22	232	dsafdf	fadf	adfadf	Select	03-03-2019	Indian
	23	232	dsafdf	fadf	adfadf	Select	03-03-2019	Indian

Finance(Employee Salary)



Department : Finance(admin)
Username : a

+ Fee Collection

View Pending Student Fees


i Employee Salary Payment

i Fee Report

i Salary Report

[Logout](#)

Salary Date :

ID : 

Phone :

Name :

Salary Month :

Middle Name :


Leaves :

Last Name :

Salary :

Pay **Reset**

Form_HumanResource(Employee Registration)



Department : Administrative
Username : Human Resource(admin)

- Employee Registration
- Update Employee
- Employee Information
- Reports

[Logout](#)

Select
☐ Non - Teaching ☐ Teaching

Personal Information

ID :

First Name :

Middle Name :

Last Name :

UIN :

Gender :

Phone :

Qualification :

Email :

Address :

Technical Information

Department :

Designation :

Experience :
☒ Fresher ☐ Experienced


Years

Original Document Checked :
☐ Yes ☒ No

Pay Scale :

Salary :

Form_HumanResource(Update Employee)



Department : Administrative
Username : Human Resource(admin)

- Employee Registration
- Update Employee
- Employee Information
- Reports

[Logout](#)

Search By : ☐ Non - Teaching ☐ Teaching

ID :

First Name :

Phone :

Middle Name :

Email :

Last Name :

Pay Scale :


UIN :

Salary :

Address :

Form_HumanResource(Employee Information)

College Management System



Department : Administrative
Username : Human Resource(admin)


+ Employee Registration

✎ Update Employee

i Employee Information


i Reports

Logout

Search By :
☒ Non-Teaching ☐ Teaching ID : 

ID	First Name	Surname	UIN	Gender	Phone	Email	Department
1	adfad	fadfad	242343	Select	34324	gfgs	Office

Form_Library(Add / Update Book)



Department : Library(admin)
Username : a

+ New/Update/Delete Book

✎ Issue/Renew/Return Book

i Membarship


i Pending Boooks

i Book Report

i Membar Report

Logout

☒ New ☐ Update

Serial No. of Book : 

Book Title :

Author :

Edition :

Book Quantity :


Save

Update

Clear


Book_Id	Book_Title	Author	Edition	Quantity	Date
1	daf	dfadaf	dfadf	34	03-10-2011
2	adfadf	dfadaf	dfadaf	34	03-10-2013
3	fdsgfs	gsgfgsf	fsgfg	34	03-10-2014
4	fdfdfafd	dsafds	sdfas	33	03-10-2015
5	fdfdfafd	dsafds	sdfas	31	03-10-2018
6	hhjg	hfg	hg	6	03-10-2019
7	gdfadf	dfdsaf	dfad	4	03-10-2019
*					


Form_Library(Issue / Renew /Return Book)





Department : Library(admin)
Username : a


+ New/Update/Delete Book

 Issue/Renew/Return Book

 Memberbarship

 Pending Boooks

 Book Report

 Membar Report

[Logout](#)

Library No. :

Membar Name :

No of Books Taken :

Books Allowed :

Issue New Book :

Serial No. of Book :

Book Title :

Remaining Books :

Issue Date :

Recieving Date :

Renew / Return Book :

Serial No. of Book :

Book Title :

Issued Date :

Old Recieving Date :

New Recieving Date :

Issued Books :


Issue

Renew

Return


Clear


Form_Library(Membership)





Department : Library(admin)
Username : a


+ New/Update/Delete Book

 Issue/Renew/Return Book

 Memberbarship

 Pending Boooks

 Book Report

 Membar Report

[Logout](#)

☐ New ☐ Delete

Membership For : ☐ Student ☐ Employee

Library ID :

First Name :

Middle Name :

Surname :

Phone :

Email :


Address :

Add


Delete


Form_Library(Pending Book)


College Management System





Department : Library(admin)
Username : a


 New/Update/Delete Book

 Issue/Renew/Return Book

 Membarship

 Pending Boooks

 Book Report

 Membar Report

[Logout](#)

Membership For :
☒ Student ☐ Employee

Report

	Library_Id	First Name	Middle Name	Surname	Mob No.	Email	Address	Books Taken
▶	2	sfad	daf	adfd	23	fdafdasf	afdasdfadf	1
*								

CODING

Coding

Form_Login:

```
Imports System.Data.SqlClient
Public Class Form_Login
    Private Sub home_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        Dim d As New Db
        If d.Fill_datagridview("select Dept_Name from Login_Dept") Then
            ComboBoxLoginAs.DataSource = d.table
            ComboBoxLoginAs.DisplayMember = "Dept_Name"
        End If
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
        Me.Close()
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Dim d As New Db
        If d.Query_select("select * from User_Master where UName='" &
            TextBoxUsername.Text & "' and PWord='" & TextBoxPassword.Text & "' and Dept_Name='" &
            ComboBoxLoginAs.Text & "'") Then
            MessageBox.Show("Login Successfull")
            uname = TextBoxUsername.Text
            department = ComboBoxLoginAs.Text
            If ComboBoxLoginAs.Text = "Human Resource" Then
                Form_HumanResource.Show()
            ElseIf ComboBoxLoginAs.Text = "Admission" Then
                Form_Admission.Show()
            ElseIf ComboBoxLoginAs.Text = "Finance" Then
                Form_Finance.Show()
            ElseIf ComboBoxLoginAs.Text = "Library" Then
                Form_Library.Show()
            ElseIf ComboBoxLoginAs.Text = "Administrative" Then
                Form_Administrative.Show()
            End If
        Else
            MessageBox.Show("Login Unsuccessfull")
        End If
    End Sub
End Class
```

Form_Administrative :

```
Public Class Form_Administrative

    Dim d As New Db
    Dim id As Integer

    Private Sub btn_hr_Click(sender As Object, e As EventArgs) Handles btn_hr.Click
        Try
            department = "Human Resource(admin)"
            Form_HumanResource.Show()
        Catch ex As Exception
            msg(ex)
        End Try
    End Sub

End Sub
```

College Management System

```
Private Sub btn_ad_Click(sender As Object, e As EventArgs) Handles btn_ad.Click
    Try
        department = "Admission(admin)"
        Form_Admission.Show()
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub btn_fin_Click(sender As Object, e As EventArgs) Handles btn_fin.Click
    Try
        department = "Finance(admin)"
        Form_Finance.Show()
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub btn_lib_Click(sender As Object, e As EventArgs) Handles btn_lib.Click
    Try
        department = "Library(admin)"
        Form_Library.Show()
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub rb_new_CheckedChanged(sender As Object, e As EventArgs) Handles
rb_new.CheckedChanged
    Try
        btn_create.Enabled = True
        btn_delete.Enabled = False
        GroupBox1.Enabled = True
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub rb_delete_CheckedChanged(sender As Object, e As EventArgs) Handles
rb_delete.CheckedChanged
    Try
        btn_create.Enabled = False
        btn_delete.Enabled = True
        GroupBox1.Enabled = True
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub Form_Administrative_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
    Try
        lbusername.Text = uname
        If d.Fill_datagridview("select Dept_Name from Login_Dept") Then
            cb_department.DataSource = d.table
            cb_department.DisplayMember = "Dept_Name"
        End If
    End Try
End Sub
```

```

        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub btn_dept_Click(sender As Object, e As EventArgs) Handles
btn_dept.Click
    Try
        dept.Visible = True
        create_del_user.Visible = False
        smallpaneldept.Visible = True
        smallpanelusers.Visible = False
        btn_dept.BackColor = Color.FromArgb(63, 63, 70)
        btn_users.BackColor = side.BackColor
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub btn_users_Click(sender As Object, e As EventArgs) Handles
btn_users.Click
    Try
        dept.Visible = False
        create_del_user.Visible = True
        smallpaneldept.Visible = False
        smallpanelusers.Visible = True
        btn_users.BackColor = Color.FromArgb(63, 63, 70)
        btn_dept.BackColor = side.BackColor
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub LinkLabel1_LinkClicked(sender As Object, e As
LinkLabelLinkClickedEventArgs) Handles LinkLabel1.LinkClicked
    Me.Close()
End Sub

Private Sub btn_create_Click(sender As Object, e As EventArgs) Handles
btn_create.Click
    Try
        If tb_username.Text <> "" And tb_password.Text <> "" And
tb_confirm_password.Text <> "" Then
            If String.Equals(tb_password.Text, tb_confirm_password.Text) Then
                If d.Query_insert_update("insert into
User_Master(UName,PWord,Dept_Name) values('" & tb_username.Text & "','" &
tb_password.Text & "','" & cb_department.Text & "'") Then
                    MessageBox.Show("User Successfully Created")
                Else
                    MessageBox.Show("Could't Create User")
                End If
            Else
                MessageBox.Show("Password did not match")
            End If
        Else
            MessageBox.Show("Please first Fill all the fields")
        End If
    Catch ex As Exception

```

```
        msg(ex)
    End Try

End Sub

End Class
```

Form_Admission :

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

```
    Dim d As New Db
    Dim s As String
    Dim course_id As Integer
    Dim course_year As Integer = 1
    Dim course_fee As Integer = 0
```

```
    Private Sub Button_New_Admission_Click(sender As Object, e As EventArgs) Handles
        Button_New_Admission.Click
```

```
        Try
            AdmissionNewAdmission.Visible = True
            AdmissionUpdateStudent.Visible = False
            smallpanel_new_admission.Visible = True
            smallpanel_update.Visible = False
            Button_New_Admission.BackColor = Color.FromArgb(63, 63, 70)
            Button_Update_Student.BackColor = side.BackColor
        Catch ex As Exception
            msg(ex)
        End Try
```

```
    End Sub
```

```
    Private Sub Button_Update_Student_Click(sender As Object, e As EventArgs) Handles
        Button_Update_Student.Click
```

```
        Try
            AdmissionNewAdmission.Visible = False
            AdmissionUpdateStudent.Visible = True
            smallpanel_new_admission.Visible = False
            smallpanel_update.Visible = True
            Button_New_Admission.BackColor = side.BackColor
            Button_Update_Student.BackColor = Color.FromArgb(63, 63, 70)
        Catch ex As Exception
            msg(ex)
        End Try
```

```
    End Sub
```

```
    Private Sub LinkLabel1_LinkClicked(sender As Object, e As
        LinkLabelLinkClickedEventArgs) Handles LinkLabel1.LinkClicked
```

```
        Me.Close()
    End Sub
```

```
    Private Sub Form_Admission_Load(sender As Object, e As EventArgs) Handles
        MyBase.Load
```

```
        Try
            lbusername.Text = uname
            lbdepartment.Text = department
        Catch ex As Exception
            clr()
        End Try
```

College Management System

```
        ad_tb_stduent_id.Text = Integer.Parse(d.Auto_increment("select MAX(Id)
from Student_Master")) + 1
        ad_cb_department.Items.Clear()
        ad_cb_course.Items.Clear()
        If d.Query_select("select Dept_Name from Department_Master where Dept_Type
= 0") Then
            ad_cb_department.Items.Add(d.dr(0))
            While d.dr.Read
                ad_cb_department.Items.Add(d.dr(0))
            End While
        End If
    Catch ex As Exception
        msg(ex)
    End Try
```

End Sub

```
Private Sub ad_cb_department_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles ad_cb_department.SelectedIndexChanged
    Try
        If d.Query_select("select Course_Name from Course_Master where Dept_Id =
(select Dept_Id from Department_Master where Dept_Name = ' " & ad_cb_department.Text &
"')") Then
            ad_cb_course.Items.Clear()
            ad_cb_course.Items.Add(d.dr(0))
            While d.dr.Read
                ad_cb_course.Items.Add(d.dr(0))
            End While
        End If
    Catch ex As Exception
        msg(ex)
    End Try
```

End Sub

```
Private Sub ad_cb_course_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ad_cb_course.SelectedIndexChanged
    Try
        ad_cb_course_year.Text = ""
        If d.Query_select("select Years from Course_Master where Course_Name=' " &
ad_cb_course.Text & " '") Then
            ad_cb_course_year.Items.Clear()
            For i As Integer = 1 To d.dr(0)
                ad_cb_course_year.Items.Add(i)
            Next
            ad_cb_course_year.SelectedIndex = 0
        End If
        If d.Query_select("select Course_Id from Course_Master where
Course_Name=' " & ad_cb_course.Text & " '") Then
            course_id = d.dr(0)
        End If
    Catch ex As Exception
        msg(ex)
    End Try
```

End Sub

```
Private Sub btnsubmit_Click(sender As Object, e As EventArgs) Handles
btnsubmit.Click
    Try
```

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```

        If ad_tb_application_no.Text <> "" And ad_tb_first_name.Text <> "" And
ad_tb_middle_name.Text <> "" And ad_tb_last_name.Text <> "" And ad_tb_uin.Text <> ""
And ad_cb_gender.Items.Contains(ad_cb_gender.Text) And
ad_tb_nationality.Items.Contains(ad_tb_nationality.Text) And
ad_cb_caste.Items.Contains(ad_cb_caste.Text) And
ad_cb_department.Items.Contains(ad_cb_department.Text) And
ad_cb_course.Items.Contains(ad_cb_course.Text) And IsNumeric(ad_tb_mob_no.Text) And
IsNumeric(ad_tb_uin.Text) And IsNumeric(ad_tb_father_mob_no.Text) Then
            If d.Query_insert_update("INSERT Student_Master
(Id,Application_Number,First_Name,Middle_Name,Surname,Gender,DOB,Nationality,Religion,
Cast_Name, Mob_No, Email,
Address,UIN,Guardian_Name,Father_Name,Occupation,Father_Phone_Number,Relation,Course_I
d,Course_Year,Admission_Date) VALUES (" & ad_tb_stduent_id.Text & ", " &
ad_tb_application_no.Text & ", '" & ad_tb_first_name.Text & "', '" &
ad_tb_middle_name.Text & "', '" & ad_tb_last_name.Text & "', '" & ad_cb_gender.Text &
"', '" & ad_dtp_dob.Value.Date.ToString("yyyy-MM-dd") & "', '" & ad_tb_nationality.Text
& "', '" & ad_cb_religion.Text & "', '" & ad_cb_caste.Text & "', " & ad_tb_mob_no.Text
& ", '" & ad_tb_email_id.Text & "', '" & ad_tb_address.Text & "', " & ad_tb_uin.Text &
"', '" & ad_tb_guardian_name.Text & "', '" & ad_tb_father_name.Text & "', '" &
ad_cb_occupation.Text & "', '" & ad_tb_father_mob_no.Text & "', '" &
ad_tb_relationship.Text & "', " & course_id & ", " & ad_cb_course_year.Text & ", '" &
Today.ToString("yyyy-MM-dd") & "')" And d.Query_insert_update("insert into
Fee_Master(Stud_Id,Course_Year,Course_Fee,Paid_Fee,Remaining_Fee) values(" &
ad_tb_stduent_id.Text & ", " & ad_cb_course_year.Text & ", " & ad_tb_course_fee.Text &
",0," & ad_tb_course_fee.Text & ")") Then
                MessageBox.Show("Student Successfully Added")
                ad_tb_stduent_id.Text = Integer.Parse(d.Auto_increment("select
MAX(Id) from Student_Master")) + 1
            End If
        Else
            MessageBox.Show("Please enter valid values and select valid
options!!")
        End If

        Catch ex As Exception
            msg(ex)
        End Try

    End Sub

    Private Sub ad_cb_course_year_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles ad_cb_course_year.SelectedIndexChanged
        Try
            If d.Query_select("select Fee from Course_Master where Course_Name='" &
ad_cb_course.Text & "'") Then
                ad_tb_course_fee.Text = d.dr(0)
            End If
        Catch ex As Exception
            msg(ex)
        End Try

    End Sub

    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
        Try
            If IsNumeric(up_tb_stud_id.Text) Then
                If d.Query_select("select
s.First_Name,s.Middle_Name,s.Surname,s.Mob_No,s.Guardian_Name,s.Father_Phone_Number,s.
Address,s.Email,s.Course_Year,c.Course_Name from Student_Master s inner join
Course_Master c on s.Course_Id=c.Course_Id where s.id=" & up_tb_stud_id.Text & "'")
Then
                    enable()
                End If
            End If
        End Try
    End Sub

```

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```

        up_tb_first_name.Text = d.dr(0)
        up_tb_middle_name.Text = d.dr(1)
        up_tb_last_name.Text = d.dr(2)
        up_tb_mob_no.Text = d.dr(3)
        up_tb_guardian_name.Text = d.dr(4)
        up_tb_guardian_mob_no.Text = d.dr(5)
        up_tb_address.Text = d.dr(6)
        up_tb_email_id.Text = d.dr(7)
        up_cb_course_year.Text = d.dr(8)
        course_year = d.dr(8)
        up_tb_course.Text = d.dr(9)
    Else
        MessageBox.Show("Not exist")
    End If
Else
    MessageBox.Show("Please enter valid student ID!!")
    up_tb_stud_id.Clear()
End If

Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub up_tb_course_TextChanged(sender As Object, e As EventArgs) Handles
up_tb_course.TextChanged
    Try
        If d.Query_select("select Years from Course_Master where Course_Name='" &
up_tb_course.Text & "'") Then
            up_cb_course_year.Items.Clear()
            For i As Integer = course_year To d.dr(0)
                up_cb_course_year.Items.Add(i)
            Next
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub up_btn_update_Click(sender As Object, e As EventArgs) Handles
up_btn_update.Click
    Try
        If up_tb_first_name.Text <> "" And up_tb_middle_name.Text <> "" And
up_tb_last_name.Text <> "" And up_tb_course.Text <> "" And up_tb_mob_no.Text <> "" And
up_tb_address.Text <> "" And up_tb_guardian_mob_no.Text <> "" And
up_tb_guardian_name.Text <> "" Then
            If course_year < up_cb_course_year.Text Then
                If d.Query_insert_update("update Student_Master set First_Name='"
& up_tb_first_name.Text & "',Middle_Name='" & up_tb_middle_name.Text & "',Surname='" &
up_tb_last_name.Text & "',Mob_No=" & up_tb_mob_no.Text & "',Guardian_Name='" &
up_tb_guardian_name.Text & "',Course_Year=" & up_cb_course_year.Text &
"',Father_Phone_Number=" & up_tb_guardian_mob_no.Text & "',Email='" &
up_tb_email_id.Text & "',Address='" & up_tb_address.Text & "' where Id=" &
up_tb_stud_id.Text & "'") And d.Query_insert_update("insert into
Fee_Master(Stud_Id,Course_Year,Course_Fee,Paid_Fee,Remaining_Fee) values(" &
up_tb_stud_id.Text & "," & up_cb_course_year.Text & "," & course_fee & ",0," &
course_fee & ")") Then
                    MessageBox.Show("Updated")
                    up_btn_clear.PerformClick()
                Else

```


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```
        MessageBox.Show("Could't Update")
    End If
    ElseIf course_year = up_cb_course_year.Text Then
        If d.Query_insert_update("update Student_Master set First_Name='" & up_tb_first_name.Text & "',Middle_Name='" & up_tb_middle_name.Text & "',Surname='" & up_tb_last_name.Text & "',Mob_No=" & up_tb_mob_no.Text & "',Guardian_Name='" & up_tb_guardian_name.Text & "',Course_Year=" & up_cb_course_year.Text & "',Father_Phone_Number=" & up_tb_guardian_mob_no.Text & "',Email='" & up_tb_email_id.Text & "',Address='" & up_tb_address.Text & "' where Id=" & up_tb_stud_id.Text & """) Then
            MessageBox.Show("Updated")
            up_btn_clear.PerformClick()
        Else
            MessageBox.Show("Could't Update")
        End If
    End If
Else
    MessageBox.Show("Please fill all fields!!")
End If

Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub up_btn_delete_Click(sender As Object, e As EventArgs)
    Try
        If d.Query_insert_update("delete from Student_Master where Id=" & up_tb_stud_id.Text & """) Then
            MessageBox.Show("Deleted")
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub btn_report_Click(sender As Object, e As EventArgs) Handles btn_report.Click
    Try
        Report_Form_Admission.Show()
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub ad_cb_religion_SelectedIndexChanged(sender As Object, e As EventArgs) Handles ad_cb_religion.SelectedIndexChanged
    Try
        If ad_cb_religion.SelectedIndex = 0 Then
            ad_cb_caste.SelectedIndex = 0
            ad_cb_caste.Enabled = True
            ad_cb_caste.SelectedIndex = 0
        Else
            ad_cb_caste.SelectedIndex = 0
            ad_cb_caste.Enabled = False
        End If
    Catch ex As Exception
        msg(ex)
    End Try
End Sub
```

```

        End Try

    End Sub

    Private Sub btnclear_Click(sender As Object, e As EventArgs) Handles
btnclear.Click
        Try
            ad_tb_application_no.Clear()
            ad_tb_first_name.Clear()
            ad_tb_middle_name.Clear()
            ad_tb_last_name.Clear()
            ad_tb_father_mob_no.Clear()
            ad_tb_mob_no.Clear()
            ad_tb_uin.Clear()
            ad_tb_father_name.Clear()
            ad_tb_annual_income.Clear()
            ad_tb_guardian_name.Clear()
            ad_tb_relationship.Clear()
            ad_tb_course_fee.Clear()
            ad_tb_email_id.Clear()
            ad_cb_occupation.Text = "Select"
            ad_cb_blood_group.Text = "Select"
        Catch ex As Exception
            msg(ex)
        End Try

    End Sub

    Private Sub up_btn_clear_Click(sender As Object, e As EventArgs) Handles
up_btn_clear.Click
        up_tb_stud_id.Clear()
        clr()
    End Sub

    Private Sub up_tb_stud_id_TextChanged(sender As Object, e As EventArgs) Handles
up_tb_stud_id.TextChanged
        clr()
    End Sub

    Private Sub enable()
        up_tb_first_name.Enabled = True
        up_tb_middle_name.Enabled = True
        up_tb_last_name.Enabled = True
        up_tb_address.Enabled = True
        up_tb_mob_no.Enabled = True
        up_tb_guardian_mob_no.Enabled = True
        up_tb_guardian_name.Enabled = True
        up_cb_course_year.Enabled = True
        up_tb_course.Enabled = True
        up_tb_email_id.Enabled = True
    End Sub

    Private Sub clr()
        up_tb_first_name.Clear()
        up_tb_middle_name.Clear()
        up_tb_last_name.Clear()
        up_tb_address.Clear()
        up_tb_mob_no.Clear()
        up_tb_guardian_mob_no.Clear()
        up_tb_guardian_name.Clear()
        up_tb_course.Clear()
        up_tb_email_id.Clear()
        up_cb_course_year.Items.Clear()
    End Sub

```

```

        up_tb_first_name.Enabled = False
        up_tb_middle_name.Enabled = False
        up_tb_last_name.Enabled = False
        up_tb_address.Enabled = False
        up_tb_mob_no.Enabled = False
        up_tb_guardian_mob_no.Enabled = False
        up_tb_guardian_name.Enabled = False
        up_cb_course_year.Enabled = False
        up_tb_course.Enabled = False
        up_tb_email_id.Enabled = False
    End Sub

    Private Sub up_cb_course_year_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles up_cb_course_year.SelectedIndexChanged
        Try
            If d.Query_select("select Fee from Course_Master where Course_Name='" &
up_tb_course.Text & "'") Then
                course_fee = d.dr(0)
            End If
        Catch ex As Exception

        End Try
    End Sub
End Class

```

Form_Finance:

```

Public Class Form_Finance
    Dim d As New Db
    Dim fee_id As Double
    Dim sal_per_day As Double
    Dim sal_for_days As Integer
    Dim dept, course, course_year, ayear As String
    Private Sub Form_Finance_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        Try
            lbusername.Text = uname
            lbdepartment.Text = department
            es_tb_salary_date.Text = Date.Today
            If Month(Date.Today) > 1 Then
                es_tb_salary_month.Text = MonthName(Month(Date.Today) - 1)
            ElseIf Month(Date.Today) = 1 Then
                es_tb_salary_month.Text = MonthName(12)
            End If
            If d.Query_select("select distinct(Year(Admission_Date)) from
Student_Master") Then
                pf_cb_year.Items.Add("All")
                pf_cb_year.Items.Add(d.dr(0))
                While d.dr.Read()
                    pf_cb_year.Items.Add(d.dr(0))
                End While

            End If
            pf_cb_year.SelectedIndex = 0
            If d.Query_select("select Dept_Name from Department_Master where
Dept_Type=0") Then
                pf_cb_dept.Items.Add("All")
                pf_cb_dept.Items.Add(d.dr("Dept_Name").ToString)
                While d.dr.Read()
                    pf_cb_dept.Items.Add(d.dr("Dept_Name").ToString)
                End While
            End If
        End Try
    End Sub
End Class

```

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```
        pf_cb_dept.SelectedIndex = 0
    End If
Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub fin_btn_fc_Click(sender As Object, e As EventArgs) Handles
fin_btn_fc.Click
    Try
        FinanceFeeCollection.Visible = True
        FinanceViewStudentFees.Visible = False
        FinanceEmployeeFacultySalaryPayment.Visible = False

        sp_fc.Visible = True
        sp_vsf.Visible = False
        sp_esp.Visible = False

        fin_btn_fc.BackColor = Color.FromArgb(63, 63, 70)
        fin_btn_vsf.BackColor = side.BackColor
        fin_btn_esp.BackColor = side.BackColor
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub fin_btn_vsf_Click(sender As Object, e As EventArgs) Handles
fin_btn_vsf.Click
    Try
        FinanceFeeCollection.Visible = False
        FinanceViewStudentFees.Visible = True
        FinanceEmployeeFacultySalaryPayment.Visible = False

        sp_fc.Visible = False
        sp_vsf.Visible = True
        sp_esp.Visible = False

        fin_btn_fc.BackColor = side.BackColor
        fin_btn_vsf.BackColor = Color.FromArgb(63, 63, 70)
        fin_btn_esp.BackColor = side.BackColor
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub fin_btn_esp_Click(sender As Object, e As EventArgs) Handles
fin_btn_esp.Click
    Try
        FinanceFeeCollection.Visible = False
        FinanceViewStudentFees.Visible = False
        FinanceEmployeeFacultySalaryPayment.Visible = True

        sp_fc.Visible = False
        sp_vsf.Visible = False
        sp_esp.Visible = True

        fin_btn_fc.BackColor = side.BackColor
        fin_btn_vsf.BackColor = side.BackColor
```

College Management System

```
        fin_btn_esp.BackColor = Color.FromArgb(63, 63, 70)
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub LinkLabel1_LinkClicked(sender As Object, e As
LinkLabelLinkClickedEventArgs) Handles LinkLabel1.LinkClicked
    Me.Close()
End Sub

Private Sub fc_btn_search_Click(sender As Object, e As EventArgs) Handles
fc_btn_search.Click
    Try
        If d.Query_select("select
s.First_Name,s.Middle_Name,s.Surname,c.Course_Name,c.Fee,s.Course_Year,f.Paid_Fee,f.Re
maining_Fee,c.Dept_Id,f.Fee_Id from Student_Master s inner join Course_Master c on
s.Course_Id=c.Course_Id inner join Fee_Master f on s.Id=f.Stud_Id where
f.Fee_Id=(select max(Fee_Id) from Fee_Master where Stud_Id=" & fc_tb_student_id.Text &
") and s.Id=" & fc_tb_student_id.Text & "") Then

            fc_tb_student_name.Text = d.dr(0)
            fc_tb_student_mn.Text = d.dr(1)
            fc_tb_student_ln.Text = d.dr(2)
            fc_tb_student_course.Text = d.dr(3)
            fc_tb_course_fee.Text = d.dr(4)
            fc_tb_student_course_year.Text = d.dr(5)
            fc_tb_paid_fee.Text = d.dr(6)
            fc_tb_remaining_fee.Text = d.dr(7)
            Dim dept_id As Integer = d.dr(8)
            fee_id = d.dr(9)
            fc_tb_fee_to_pay.Text = fc_tb_remaining_fee.Text
            If d.dr(7) <> 0 Then
                fc_tb_fee_to_pay.Enabled = True
                fc_tb_fee_to_pay.Focus()
            ElseIf d.dr(7) = 0 Then
                MessageBox.Show("Fee was already paid")
                fc_tb_fee_to_pay.Enabled = False
                fc_tb_fee_to_pay.Clear()
            End If
            d.Query_select("select Dept_Name from Department_Master where
Dept_Id=" & dept_id & "")
            fc_tb_student_dept.Text = d.dr(0)
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub fc_btn_collect_Click(sender As Object, e As EventArgs) Handles
fc_btn_collect.Click
    Try
        If d.Query_insert_update("insert into Fee_Details(Fee_Id,Ammount,Date)
values(" & fee_id & "," & fc_tb_fee_to_pay.Text & "," & Date.Today & "'')") And
d.Query_insert_update("update Fee_Master set Paid_Fee=(Paid_Fee+" &
fc_tb_fee_to_pay.Text & "),Remaining_Fee=(Remaining_Fee-" & fc_tb_fee_to_pay.Text & ")
where Fee_Id =" & fee_id & "") Then
            MessageBox.Show("collected")
        End If
    End Try
End Sub
```

```

        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub es_btn_search_Click(sender As Object, e As EventArgs) Handles
es_btn_search.Click
    Try
        If d.Query_select("select
e.First_Name,e.Middle_Name,e.Surname,e.Phone,p.Salary_Per_Day from Employee_Master e
inner join Pay_Scale_Master p on e.Pay_Scale=p.Pay_Scale where e.Emp_Id=" &
es_tb_emp_id.Text & "") Then
            MessageBox.Show("Found")
            es_tb_emp_name.Text = d.dr(0)
            es_tb_emp_mn.Text = d.dr(1)
            es_tb_emp_ln.Text = d.dr(2)
            es_tb_emp_phone.Text = d.dr(3)
            sal_per_day = d.dr(4)
            cal_sal()
            es_tb_leaves.Text = 0
            es_tb_leaves.Focus()
        Else
            MessageBox.Show("Not Found")
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub es_tb_leaves_TextChanged(sender As Object, e As EventArgs) Handles
es_tb_leaves.TextChanged
    Try
        If Not IsNumeric(es_tb_leaves.Text) Then
            MessageBox.Show("Invalid Leaves Days")
            es_tb_leaves.Text = 0
            es_tb_leaves.Select()
            es_tb_leaves.Focus()
            cal_sal()
        ElseIf es_tb_leaves.Text = 0 Then
            cal_sal()
        Else
            es_tb_salary.Text = es_tb_salary.Text - (sal_per_day *
es_tb_leaves.Text)
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub cal_sal()
    Try
        If (Month(Date.Today)) > 1 Then
            es_tb_salary.Text = Date.DaysInMonth(Year(Date.Today),
Month(Date.Today) - 1) * sal_per_day
        ElseIf (Month(Date.Today)) = 1 Then
            es_tb_salary.Text = Date.DaysInMonth(Year(Date.Today) - 1, 12) *
sal_per_day
        End If
    Catch ex As Exception

```

```

        msg(ex)
    End Try

End Sub

Private Sub es_btn_pay_Click(sender As Object, e As EventArgs) Handles
es_btn_pay.Click
    Try
        If d.Query_select("select Salary_Month,Salary_Date from Salary_Details
where Salary_Id=(select MAX(Salary_Id) from Salary_Details where Emp_Id = " &
es_tb_emp_id.Text & ")") Then
            If d.dr(0) = es_tb_salary_month.Text And Year(d.dr(1)) =
Year(Date.Today) Then
                MessageBox.Show("Salary Already Paid")
            Else
                If d.Query_insert_update("insert into
Salary_Details(Emp_Id,Salary_Month,leaves,Sal_For_Days,Salary,Salary_Date) values(" &
es_tb_emp_id.Text & ",'" & es_tb_salary_month.Text & "','" & es_tb_leaves.Text & "," &
sal_for_days & "," & es_tb_salary.Text & "','" & Date.Today & "'")) Then
                    MessageBox.Show("Salary Paid")
                Else
                    MessageBox.Show("Unbale to pay")
                End If
            End If
        Else
            If d.Query_insert_update("insert into
Salary_Details(Emp_Id,Salary_Month,leaves,Sal_For_Days,Salary,Salary_Date) values(" &
es_tb_emp_id.Text & ",'" & es_tb_salary_month.Text & "','" & es_tb_leaves.Text & "," &
sal_for_days & "," & es_tb_salary.Text & "','" & Date.Today & "'")) Then
                MessageBox.Show("Salary Paid")
            Else
                MessageBox.Show("Unbale to pay")
            End If
        End If
    End Try

    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub pf_cb_year_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles pf_cb_year.SelectedIndexChanged
    Try
        If pf_cb_year.SelectedIndex = 0 Then
            ayear = ""
        Else
            ayear = pf_cb_year.Text
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub pf_cb_course_year_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles pf_cb_course_year.SelectedIndexChanged
    Try
        If pf_cb_course_year.SelectedIndex = 0 Then
            course_year = ""
        Else
            course_year = pf_cb_course_year.Text
        End If
    End Try
End Sub

```

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```
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub btn_report_fees_Click(sender As Object, e As EventArgs) Handles
btn_report_fees.Click
    Report_Form_Finance_Fees.Show()
End Sub

Private Sub btn_report_salary_Click(sender As Object, e As EventArgs) Handles
btn_report_salary.Click
    Report_Form_Finance_Salary.Show()
End Sub

Private Sub pf_btn_search_Click(sender As Object, e As EventArgs) Handles
pf_btn_search.Click
    Try
        d.Fill_datagridview("select * from Student_Master s inner join
Course_Master c on s.Course_Id=c.Course_Id inner join Fee_Master f on s.Id=f.Stud_Id
where c.Course_Name like '%" & course & "%' and s.Course_Year like '%" & course_year &
%"' and c.Dept_Id like '%" & dept & "%' and f.Remaining_Fee!=0 and
YEAR(s.Admission_Date) like '%" & ayear & "%'")
        pf_dg.DataSource = d.table
        d.da.Update(d.table)
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub pf_cb_dept_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles pf_cb_dept.SelectedIndexChanged
    Try
        If pf_cb_dept.SelectedIndex <> 0 Then

            If d.Query_select("select Course_Name from Course_Master where
Dept_Id=(select Dept_Id from Department_Master where Dept_Name='" & pf_cb_dept.Text &
"'") Then

                pf_cb_course.Items.Clear()
                pf_cb_course.Items.Add("All")
                pf_cb_course.Items.Add(d.dr(0))
                While d.dr.Read()
                    pf_cb_course.Items.Add(d.dr(0))
                End While
                pf_cb_course.SelectedIndex = 0
                If d.Query_select("select Dept_Id from Department_Master where
Dept_Name='" & pf_cb_dept.Text & "'") Then
                    dept = d.dr(0)
                End If
            End If
        ElseIf pf_cb_dept.SelectedIndex = 0 Then
            pf_cb_course.Items.Clear()
            pf_cb_course.Items.Add("All")
            pf_cb_course.SelectedIndex = 0
            dept = ""
        End If
    Catch ex As Exception
        msg(ex)
    End Try
```


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```
End Sub

Private Sub pf_cb_course_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles pf_cb_course.SelectedIndexChanged
Try
    If pf_cb_course.SelectedIndex = 0 Then
        pf_cb_course_year.Items.Clear()
        pf_cb_course_year.Items.Add("All")
        pf_cb_course_year.SelectedIndex = 0
        course = ""
    Else
        pf_cb_course_year.Items.Clear()
        pf_cb_course_year.Items.Add("All")
        If d.Query_select("select Years from Course_Master where
Course_Name='" & pf_cb_course.Text & "'") Then
            For i As Integer = 1 To d.dr(0)
                pf_cb_course_year.Items.Add(i)
            Next
            pf_cb_course_year.SelectedIndex = 0
        End If
        course = pf_cb_course.Text
    End If
Catch ex As Exception
    msg(ex)
End Try

End Sub
End Class
```

Form_HumanResource :

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

    Dim Documentchk As String = "No"
    Dim Entry, Update_entry As String
    Dim Experiance As String = "Fresher"
    Dim Experiance_Year As Integer = 0
    Dim designation_id As Integer = 0
    Dim info_entry As Integer = 1
    Dim dept_id As Integer = 0
    Dim d As New Db

    Private Sub RadioButton2_CheckedChanged(sender As Object, e As EventArgs) Handles
rb_teaching.CheckedChanged
        Try
            Entry = rb_teaching.Text
            GroupBoxPersonalInfo.Enabled = True
            GroupBoxTechnicalinfo.Enabled = True
            btnsubmit.Enabled = True
            btnclear.Enabled = True
            'btnnew.Enabled = True
            If IsDBNull(d.Auto_increment("select MAX(Emp_Id) from Employee_Master"))
Then
                tb_id.Text = 1
            Else

```

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```
        tb_id.Text = Integer.Parse(d.Auto_increment("select MAX(Emp_Id) from
Employee_Master")) + 1
    End If
    cb_department.Items.Clear()
    cb_designation.Items.Clear()
    d.Query_select("select Designation_Name from Designation_Master where
Designation_Type=0")
    cb_designation.Items.Add(d.dr(0))
    While d.dr.Read
        cb_designation.Items.Add(d.dr(0))
    End While
    d.Query_select("select Dept_Name from Department_Master where
Dept_Type=0")
    cb_department.Items.Add(d.dr(0))
    While d.dr.Read
        cb_department.Items.Add(d.dr(0))
    End While
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
```

End Sub

```
Private Sub RadioButton1_CheckedChanged(sender As Object, e As EventArgs) Handles
rb_non_teaching.CheckedChanged
```

```
    Try
        Entry = rb_non_teaching.Text
        GroupBoxPersonalInfo.Enabled = True
        GroupBoxTechnicalinfo.Enabled = True
        btnsubmit.Enabled = True
        btnclear.Enabled = True
        If IsDBNull(d.Auto_increment("select MAX(Emp_Id) from Employee_Master"))
```

Then

```
        tb_id.Text = 1
    Else
        tb_id.Text = Integer.Parse(d.Auto_increment("select MAX(Emp_Id) from
Employee_Master")) + 1
    End If
```

```
    cb_department.Items.Clear()
    cb_designation.Items.Clear()
    d.Query_select("select Designation_Name from Designation_Master where
Designation_Type=1")
```

```
    cb_designation.Items.Add(d.dr(0))
    While d.dr.Read
        cb_designation.Items.Add(d.dr(0))
    End While
    d.Query_select("select Dept_Name from Department_Master where
Dept_Type=1")
    cb_department.Items.Add(d.dr(0))
    While d.dr.Read
        cb_department.Items.Add(d.dr(0))
    End While
```

```
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
```

End Sub

```
Private Sub Button5_Click(sender As Object, e As EventArgs)
    Try
```

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```
        Close()
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Try
        empreg.Visible = True
        empupdate.Visible = False
        empinfo.Visible = False
        smallpanelreg.Visible = True
        smallpanelupdate.Visible = False
        smallpanelinfo.Visible = False
        Button1.BackColor = Color.FromArgb(63, 63, 70)
        Button2.BackColor = side.BackColor
        Button3.BackColor = side.BackColor
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
End Sub

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    Try
        empreg.Visible = False
        empupdate.Visible = True
        empinfo.Visible = False
        smallpanelreg.Visible = False
        smallpanelupdate.Visible = True
        smallpanelinfo.Visible = False
        Button1.BackColor = side.BackColor
        Button2.BackColor = Color.FromArgb(63, 63, 70)
        Button3.BackColor = side.BackColor
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
End Sub

Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
    Try
        empinfo.Visible = True
        empreg.Visible = False
        empupdate.Visible = False
        smallpanelreg.Visible = False
        smallpanelupdate.Visible = False
        smallpanelinfo.Visible = True
        Button1.BackColor = side.BackColor
        Button2.BackColor = side.BackColor
        Button3.BackColor = Color.FromArgb(63, 63, 70)
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
End Sub

Private Sub Button4_Click(sender As Object, e As EventArgs)
    Try
        empinfo.Visible = False
        empreg.Visible = False
        empupdate.Visible = False
    End Try
End Sub
```

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```
        smallpanelreg.Visible = False
        smallpanelupdate.Visible = False
        smallpanelinfo.Visible = False

        Button1.BackColor = side.BackColor
        Button2.BackColor = side.BackColor
        Button3.BackColor = side.BackColor
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try

End Sub

Private Sub RadioButton1_CheckedChanged_1(sender As Object, e As EventArgs)
Handles rb_yes.CheckedChanged
    Try
        Documentchk = True
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
End Sub

Private Sub RadioButton2_CheckedChanged_1(sender As Object, e As EventArgs)
Handles rb_no.CheckedChanged
    Try
        Documentchk = False
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
End Sub

Private Sub LinkLabel1_LinkClicked(sender As Object, e As
LinkLabelLinkClickedEventArgs) Handles LinkLabel1.LinkClicked
    Me.Close()
End Sub

Private Sub Form_HumanResource_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
    'Label_Date.Text = Date.Today
    lbusername.Text = uname
    lbdepartment.Text = department
    Try
        cb_payscale.Items.Clear()
        Update_cb_payscale.Items.Clear()
        d.Query_select("select * from Pay_Scale_Master")
        Update_cb_payscale.Items.Add(d.dr(0))
        cb_payscale.Items.Add(d.dr(0))
        While d.dr.Read
            cb_payscale.Items.Add(d.dr(0))
            Update_cb_payscale.Items.Add(d.dr(0))
        End While
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try

End Sub

Private Sub RadioButton5_CheckedChanged(sender As Object, e As EventArgs) Handles
rb_fresher.CheckedChanged
    Experiance = "Fresher"
```

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```

        cb_experience.Enabled = False
        gbOriginalDocumentChecked.Enabled = False
    End Sub

    Private Sub RadioButton6_CheckedChanged(sender As Object, e As EventArgs) Handles
rb_experianced.CheckedChanged
        Experience = "Experianced"
        cb_experience.Enabled = True
        gbOriginalDocumentChecked.Enabled = True
    End Sub

    Private Sub btnsubmit_Click(sender As Object, e As EventArgs) Handles
btnsubmit.Click
        Try
            If tb_first_name.Text <> "" And tb_middle_name.Text <> "" And
tb_last_name.Text <> "" And tb_uin.Text <> "" And tb_phone.Text <> "" And
tb_address.Text <> "" And cb_gender.Items.Contains(cb_gender.Text) And
cb_qualification.Items.Contains(cb_qualification.Text) And
cb_department.Items.Contains(cb_department.Text) And
cb_designation.Items.Contains(cb_designation.Text) And tb_salary.Text <> "" Then
                If d.Query_insert_update("insert into
Employee_Master(Emp_Id,First_Name, Middle_Name, Surname, UIN, Gender, Phone,
Qaulification, Email, Designation, Address, Experience, Experience_Year,
Original_Document_Checked, Department, Pay_Scale,Date) values(" & tb_id.Text & "," &
tb_first_name.Text & "','" & tb_middle_name.Text & "','" & tb_last_name.Text & "','" &
tb_uin.Text & "','" & cb_gender.Text & "','" & tb_phone.Text & "','" &
cb_qualification.Text & "','" & tb_email.Text & "','" & designation_id & "','" &
tb_address.Text & "','" & Experience & "','" & Experience_Year & "','" & Documentchk &
"',," & dept_id & "','" & Double.Parse(cb_payscale.Text) & "','" & Today.ToString("yyyy-
MM-dd") & "')") Then
                    MessageBox.Show("Employee Added")
                    btnclear.PerformClick()
                    tb_id.Text = Double.Parse(d.Auto_increment("select max(Emp_Id)
from Employee_Master")) + 1
                Else
                    MessageBox.Show("Unable to add employee")
                End If
            Else
                MessageBox.Show("Please fill all Mandotory fields and select proper
values !!")
            End If
        Catch ex As Exception
            MessageBox.Show(ex.ToString)
        End Try

    End Sub

    Private Sub RadioButton_Search_Faculty_CheckedChanged()
        Throw New NotImplementedException()
    End Sub

    Private Sub RadioButton_Search_Employee_CheckedChanged()
        Throw New NotImplementedException()
    End Sub

    Private Sub btnclear_Click(sender As Object, e As EventArgs) Handles
btnclear.Click
        tb_first_name.Clear()
        tb_middle_name.Clear()
        tb_last_name.Clear()
        cb_qualification.Text = "Select"
        tb_uin.Clear()

```

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```

tb_phone.Clear()
cb_gender.Text = "Select"
tb_email.Clear()
tb_address.Clear()
cb_department.Text = "Select"
cb_designation.Text = "Select"
rb_fresher.Checked = True
rb_experianced.Checked = False
cb_experience.Text = "Years"
Documentchk = "No"
rb_yes.Checked = False
rb_no.Checked = True
cb_payscale.Text = "Select"
tb_salary.Clear()
End Sub

Private Sub Update_rb_emp_CheckedChanged(sender As Object, e As EventArgs)
    Update_tb_id.Clear()
    update_button_delete.Enabled = False

End Sub

Private Sub Button_Update_Search_Click(sender As Object, e As EventArgs) Handles
Button_Update_Search.Click
    Try
        If IsNumeric(Update_tb_id.Text) Then
            If d.Query_select("select * from Employee_Master where Emp_Id=" &
Update_tb_id.Text & "'") Then
                MessageBox.Show("found")
                Update_tb_first_name.Text = d.dr("First_Name").ToString
                Update_tb_middle_name.Text = d.dr("Middle_Name").ToString
                Update_tb_last_name.Text = d.dr("Surname").ToString
                Update_tb_phone.Text = d.dr("Phone").ToString
                Update_tb_address.Text = d.dr("Adderss").ToString
                Update_tb_email.Text = d.dr("Email").ToString
                Update_tb_uin.Text = d.dr("UIN").ToString
                Update_cb_payscale.Text = d.dr("Pay_Scale").ToString
                If d.Query_select("select * from Pay_Scale_Master where Pay_Scale
like '%" & Update_cb_payscale.Text & "%'") Then
                    Update_tb_salary.Text = Double.Parse(d.dr("Salary_Per_Day")) *
30
                End If
                update_enabled()
                Button_Update.Enabled = True
                update_button_delete.Enabled = True
                update_button_reset.Enabled = True
                'MessageBox.Show("not found")
            Else
                MessageBox.Show("Employee Not Found")
            End If
        Else
            MessageBox.Show("Please fill valid Employee ID!!")
            Update_tb_id.Clear()
        End If

        Catch ex As Exception
            MessageBox.Show(ex.ToString)
        End Try

    End Sub

Private Sub Update_rb_faculty_CheckedChanged(sender As Object, e As EventArgs)

```

```

        Update_tb_id.Clear()
        update_button_delete.Enabled = False
    End Sub

    Private Sub Update_tb_id_TextChanged(sender As Object, e As EventArgs) Handles
Update_tb_id.TextChanged
        update_disabled()
        update_clear()
        Button_Update.Enabled = False
        update_button_delete.Enabled = False
        update_button_reset.Enabled = False
    End Sub

    Private Sub update_button_delete_Click(sender As Object, e As EventArgs) Handles
update_button_delete.Click
        Try
            If Not d.Query_select("select Emp_Id from Salary_Details where Emp_Id=" &
Update_tb_id.Text & "") Then

                If d.Query_insert_update("delete from Employee_Master where Emp_Id=" &
Update_tb_id.Text & "") Then
                    MessageBox.Show("Employee Successfully deleted")
                    update_clear()
                    update_disabled()
                Else
                    MessageBox.Show("Unable to delete employee")
                End If
            Else
                MessageBox.Show("Can't Delete Employee!!")
            End If

        Catch ex As Exception
            MessageBox.Show(ex.ToString)
        End Try

    End Sub

    Private Sub update_enabled()
        Update_tb_first_name.Enabled = True
        Update_tb_middle_name.Enabled = True
        Update_tb_last_name.Enabled = True
        Update_tb_address.Enabled = True
        Update_tb_uin.Enabled = True
        Update_tb_phone.Enabled = True
        Update_tb_email.Enabled = True
        Update_tb_salary.Enabled = True
        Update_cb_payscale.Enabled = True
    End Sub

    Private Sub cb_department_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles cb_department.SelectedIndexChanged
        Try
            If d.Query_select("select Dept_Id from Department_Master where
Dept_Name='" & cb_department.Text & "'") Then
                dept_id = d.dr("Dept_Id")
            End If
        Catch ex As Exception
            MessageBox.Show(ex.ToString)
        End Try
    End Sub

```

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```
End Sub

Private Sub cb_designation_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles cb_designation.SelectedIndexChanged
Try
    If d.Query_select("select Designation_Id from Designation_Master where
Designation_Name='" & cb_designation.Text & "'") Then
        designation_id = d.dr("Designation_Id")
    End If
Catch ex As Exception
    MessageBox.Show(ex.ToString)
End Try

End Sub

Private Sub cb_payscale_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles cb_payscale.SelectedIndexChanged
Try
    If d.Query_select("select * from Pay_Scale_Master where Pay_Scale like '%"
& cb_payscale.Text & "%'") Then
        tb_salary.Text = Double.Parse(d.dr("Salary_Per_Day")) * 30
    End If
Catch ex As Exception
    MessageBox.Show(ex.ToString)
End Try

End Sub

Private Sub RadioButton_Search_Employee_CheckedChanged(sender As Object, e As
EventArgs) Handles RadioButton_Search_Employee.CheckedChanged
Try
    info_entry = 1
    d.Fill_datagridview("select
Emp_Id,First_Name,Surname,UIN,Gender,Phone,Email,Designation_Name,Dept_Name,Pay_Scale_
Master.Pay_Scale from
Employee_Master,Designation_Master,Department_Master,Pay_Scale_Master where
Employee_Master.Designation=Designation_Master.Designation_Id and
Employee_Master.Department=Department_Master.Dept_Id and
Employee_Master.Pay_Scale=Pay_Scale_Master.Pay_Scale and
Designation_Master.Designation_Type=" & info_entry & " and
Department_Master.Dept_Type=" & info_entry & "'")
    DataGridView1.DataSource = d.table
    d.da.Update(d.table)
Catch ex As Exception
    MessageBox.Show(ex.ToString)
End Try

End Sub

Private Sub update_disabled()
    Update_tb_first_name.Enabled = False
    Update_tb_middle_name.Enabled = False
    Update_tb_last_name.Enabled = False
    Update_tb_address.Enabled = False
    Update_tb_uin.Enabled = False
    Update_tb_phone.Enabled = False
    Update_tb_email.Enabled = False
    Update_tb_salary.Enabled = False
    Update_cb_payscale.Enabled = False
End Sub
```


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```
Private Sub RadioButton_Search_Faculty_CheckedChanged(sender As Object, e As
EventArgs) Handles RadioButton_Search_Faculty.CheckedChanged
    Try
        info_entry = 0
        d.Fill_datagridview("select
Emp_Id,First_Name,Surname,UIN,Gender,Phone,Email,Designation_Name,Dept_Name,Pay_Scale_
Master.Pay_Scale from
Employee_Master,Designation_Master,Department_Master,Pay_Scale_Master where
Employee_Master.Designation=Designation_Master.Designation_Id and
Employee_Master.Department=Department_Master.Dept_Id and
Employee_Master.Pay_Scale=Pay_Scale_Master.Pay_Scale and
Designation_Master.Designation_Type like " & info_entry & " and
Department_Master.Dept_Type like " & info_entry & """)
        DataGridView1.DataSource = d.table
        d.da.Update(d.table)
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
End Sub

Private Sub Button4_Click_1(sender As Object, e As EventArgs) Handles
Button4.Click
    Try
        If IsNumeric(TextBox_Info_Search.Text) Then
            d.Fill_datagridview("select
Emp_Id,First_Name,Surname,UIN,Gender,Phone,Email,Designation_Name,Dept_Name,Pay_Scale_
Master.Pay_Scale from
Employee_Master,Designation_Master,Department_Master,Pay_Scale_Master where
Employee_Master.Designation=Designation_Master.Designation_Id and
Employee_Master.Department=Department_Master.Dept_Id and
Employee_Master.Pay_Scale=Pay_Scale_Master.Pay_Scale and
Designation_Master.Designation_Type=" & info_entry & " and
Department_Master.Dept_Type=" & info_entry & " and Emp_Id=" & TextBox_Info_Search.Text
& """)
            DataGridView1.DataSource = d.table
            d.da.Update(d.table)
        Else
            MessageBox.Show("Please enter valid employee ID!!")
        End If

    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
End Sub

Private Sub tb_uin_TextChanged(sender As Object, e As EventArgs) Handles
tb_uin.TextChanged
    If IsNumeric(tb_uin.Text) Or tb_uin.Text = "" Then
        btnsubmit.Enabled = True
    Else
        MessageBox.Show("Invalid UIN")
        tb_uin.Text = ""
    End If
End Sub

Private Sub tb_first_name_Leave(sender As Object, e As EventArgs) Handles
tb_first_name.Leave
    If Not string_validate(tb_first_name.Text) Then
        MessageBox.Show("Please Enter Valid Name!!")
        tb_first_name.Clear()
```

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```
        btnsubmit.Enabled = False
    Else
        btnsubmit.Enabled = True
    End If
End Sub

Private Sub tb_middle_name_Leave(sender As Object, e As EventArgs) Handles
tb_middle_name.Leave
    If Not string_validate(tb_middle_name.Text) Then
        MessageBox.Show("Please Enter Valid Name!!")
        tb_middle_name.Clear()
        btnsubmit.Enabled = False
    Else
        btnsubmit.Enabled = True
    End If
End Sub

Private Sub tb_last_name_Leave(sender As Object, e As EventArgs) Handles
tb_last_name.Leave
    If Not string_validate(tb_last_name.Text) Then
        MessageBox.Show("Please Enter Valid Name!!")
        tb_last_name.Clear()
        btnsubmit.Enabled = False
    Else
        btnsubmit.Enabled = True
    End If
End Sub

Private Sub cb_gender_Leave(sender As Object, e As EventArgs) Handles
cb_gender.Leave
    If Not cb_gender.Items.Contains(cb_gender.Text) Then
        MessageBox.Show("Please Select Valid Gender!!")
        cb_gender.SelectedIndex = 0
        cb_gender.Focus()
    End If
End Sub

Private Sub tb_phone_Leave(sender As Object, e As EventArgs) Handles
tb_phone.Leave
    If Not IsNumeric(tb_phone.Text) Then
        tb_phone.Clear()
        tb_phone.Focus()
    End If
    If tb_phone.TextLength < 10 Then
        MessageBox.Show("Please enter valid Mobile number!!")
    End If
End Sub

Private Sub cb_qualification_Leave(sender As Object, e As EventArgs) Handles
cb_qualification.Leave
    If Not cb_qualification.Items.Contains(cb_qualification.Text) Then
        MessageBox.Show("Please Select Valid Qualification!!")
        cb_qualification.SelectedIndex = 0
    End If
End Sub

Private Sub cb_department_Leave(sender As Object, e As EventArgs) Handles
cb_department.Leave
    If Not cb_department.Items.Contains(cb_department.Text) Then
        MessageBox.Show("Please Select Valid Department!!")
        cb_department.SelectedIndex = 0
    End If
End Sub
```

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```
End If
End Sub

Private Sub cb_designation_Leave(sender As Object, e As EventArgs) Handles
cb_designation.Leave
    If Not cb_designation.Items.Contains(cb_designation.Text) Then
        MessageBox.Show("Please Select Valid Designation!!")
        cb_designation.SelectedIndex = 0
    End If
End Sub

Private Sub cb_experience_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles cb_experience.SelectedIndexChanged
    If Not cb_experience.Items.Contains(cb_experience.Text) Then
        MessageBox.Show("Please Select Valid Experience!!")
        cb_experience.SelectedIndex = 0
    End If
End Sub

Private Sub btn_report_Click(sender As Object, e As EventArgs) Handles
btn_report.Click
    Report_Form_HumanResource.Show()
End Sub

Private Sub cb_payscale_Leave(sender As Object, e As EventArgs) Handles
cb_payscale.Leave
    If Not cb_payscale.Items.Contains(cb_payscale.Text) Then
        MessageBox.Show("Please select valid Payscale!!")
    End If
End Sub

Private Sub tb_uin_Leave(sender As Object, e As EventArgs) Handles tb_uin.Leave
    If tb_uin.TextLength < 12 Then
        MessageBox.Show("Please enter valid UIN number!!")
    End If
End Sub

Private Sub Button_Update_Click(sender As Object, e As EventArgs) Handles
Button_Update.Click
    Try
        If Update_tb_first_name.Text <> "" And Update_tb_middle_name.Text <> ""
And Update_tb_last_name.Text <> "" And Update_tb_uin.Text <> "" And Update_tb_uin.Text
<> "" And Update_tb_address.Text <> "" And Update_tb_phone.Text <> "" And
Update_tb_salary.Text <> "" Then
            If d.Query_insert_update("update Employee_Master set First_Name='" &
Update_tb_first_name.Text & "',Middle_Name='" & Update_tb_middle_name.Text &
"',Surname='" & Update_tb_last_name.Text & "',UIN='" & Update_tb_uin.Text &
"',Addresss='" & tb_address.Text & "',Phone='" & Update_tb_phone.Text & "',Email='" &
Update_tb_first_name.Text & "',Pay_Scale='" & Update_cb_payscale.Text & " where
Emp_Id=" & Update_tb_id.Text & "'") Then
                MessageBox.Show("Employee Successfully Updated")
            Else
                MessageBox.Show("Could'nt Update Employee")
            End If
        Else
            MessageBox.Show("Please fill all mandotory fields")
        End If
    Catch ex As Exception
        MessageBox.Show(ex.ToString)
    End Try
End Sub
```

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```
End Sub

Private Sub Update_tb_first_name_TextChanged(sender As Object, e As EventArgs)
Handles Update_tb_first_name.TextChanged

End Sub

Private Sub Update_cb_payscale_SelectedIndexChanged(sender As Object, e As
EventArgs) Handles Update_cb_payscale.SelectedIndexChanged
Try
    If d.Query_select("select * from Pay_Scale_Master where Pay_Scale = '" &
Update_cb_payscale.Text & "'") Then
        Update_tb_salary.Text = Double.Parse(d.dr("Salary_Per_Day")) * 30
    End If
Catch ex As Exception
    MessageBox.Show(ex.ToString)
End Try

End Sub

Private Sub update_button_reset_Click(sender As Object, e As EventArgs) Handles
update_button_reset.Click
    update_clear()
    Update_tb_id.Clear()
    update_disabled()
End Sub

Private Sub TextBox_Info_Search_TextChanged(sender As Object, e As EventArgs)
Handles TextBox_Info_Search.TextChanged

End Sub

Private Sub update_clear()

    Update_tb_first_name.Clear()
    Update_tb_middle_name.Clear()
    Update_tb_last_name.Clear()
    Update_tb_address.Clear()
    Update_tb_uin.Clear()
    Update_tb_phone.Clear()
    Update_tb_email.Clear()
    Update_tb_salary.Clear()
    Update_cb_payscale.Text = "select"
End Sub

End Class
```

From Library :

Public Class Form_Library

```
Dim d As New Db
Dim bt As Integer = 0
```

Private Sub nm_rb_student_CheckedChanged(sender As Object, e As EventArgs) Handles nm_rb_student.CheckedChanged

```
Try
    nm_lb_id.Text = "Student ID :"
    nm_tb_id.Focus()
    nm_tb_id.Enabled = True
Catch ex As Exception
    msg(ex)
End Try
```

End Sub

Private Sub nm_rb_employee_CheckedChanged(sender As Object, e As EventArgs) Handles nm_rb_employee.CheckedChanged

```
Try
    nm_lb_id.Text = "Employee ID :"
    nm_tb_id.Focus()
    nm_tb_id.Enabled = True
Catch ex As Exception
    msg(ex)
End Try
```

End Sub

Private Sub LinkLabel1_LinkClicked(sender As Object, e As LinkLabelLinkClickedEventArgs) Handles LinkLabel1.LinkClicked

```
Me.Close()
End Sub
```

Private Sub Form_Library_Load(sender As Object, e As EventArgs) Handles MyBase.Load

```
Try
    lbusername.Text = uname
    lbdepartment.Text = department
    auto_incre()
    auto_incre_book_id()
    If d.Fill_datagridview("select Book_Id from Book_Master") Then
        irb_cb_book_id.DataSource = d.table
        irb_cb_book_id.DisplayMember = "Book_Id"
        irb_cb_book_id.Text = "Select"
    End If
    d.Fill_datagridview("select * from Book_Master")
    nb_dg.DataSource = d.table
    d.da.Update(d.table)
Catch ex As Exception
    msg(ex)
End Try
```

End Sub

Private Sub nm_btn_search_Click(sender As Object, e As EventArgs) Handles nm_btn_search.Click

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```
Try
    If nm_rb_student.Checked Then

        If d.Query_select("select
First_Name,Middle_Name,Surname,Mob_No,Email,Address,Library_Id from Student_Master
where Id=" & nm_tb_id.Text & "") Then
            If IsDBNull(d.dr(6)) Then
                MessageBox.Show("found")
                nm_tb_fn.Text = d.dr(0)
                nm_tb_mn.Text = d.dr(1)
                nm_tb_ln.Text = d.dr(2)
                nm_tb_phone.Text = d.dr(3)
                nm_tb_email.Text = d.dr(4)
                nm_tb_address.Text = d.dr(5)
            Else
                MessageBox.Show("Already Membar")
            End If
        Else
            MessageBox.Show("Not Found")
        End If

        ElseIf nm_rb_employee.Checked Then
            If d.Query_select("select
First_Name,Middle_Name,Surname,Phone,Email,Address,Library_Id from Employee_Master
where Emp_Id =" & nm_tb_id.Text & "") Then
                If IsDBNull(d.dr(6)) Then

                    MessageBox.Show("found")
                    nm_tb_fn.Text = d.dr(0)
                    nm_tb_mn.Text = d.dr(1)
                    nm_tb_ln.Text = d.dr(2)
                    nm_tb_phone.Text = d.dr(3)
                    nm_tb_email.Text = d.dr(4)
                    nm_tb_address.Text = d.dr(5)
                Else
                    MessageBox.Show("Already Membar")
                End If
            Else
                MessageBox.Show("Not Found")
            End If

        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub nm_btn_add_Click(sender As Object, e As EventArgs) Handles
nm_btn_add.Click
    Try
        If nm_rb_student.Checked Then
            If d.Query_insert_update("insert into Library_Master values(" &
nm_tb_lib_id.Text & ", '" & nm_rb_student.Text & "',0,'" & Date.Today & "'")) And
d.Query_insert_update("update Student_Master set Library_Id =" & nm_tb_lib_id.Text & "
where Id = " & nm_tb_id.Text & "") Then
                MessageBox.Show("Membar Added")
                auto_incre()
            Else
                MessageBox.Show("Unbale to add")
            End If
        ElseIf nm_rb_employee.Checked Then
```

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```
        If d.Query_insert_update("insert into Library_Master values(" &
nm_tb_lib_id.Text & ",'" & nm_rb_employee.Text & "',0,'" & Date.Today & "')") And
d.Query_insert_update("update Employee_Master set Library_Id = " & nm_tb_lib_id.Text &
" where Emp_Id = " & nm_tb_id.Text & "'") Then
            MessageBox.Show("Membar Added")
            auto_incre()
        Else
            MessageBox.Show("Unbale to add")
        End If
    End If
Catch ex As Exception
    msg(ex)
End Try
```

End Sub

Private Sub auto_incre()

```
    Try
        If d.Query_select("select max(Library_Id) from Library_Master") Then
            If IsDBNull(d.dr(0)) Then
                nm_tb_lib_id.Text = 1
            Else
                nm_tb_lib_id.Text = Double.Parse(d.dr(0)) + 1
            End If
        End If
    Catch ex As Exception
        msg(ex)
    End Try
```

End Sub

Private Sub nb_rb_new_CheckedChanged(sender As Object, e As EventArgs) Handles
nb_rb_new.CheckedChanged

```
    Try
        nb_btn_save.Enabled = True
        nb_btn_update.Enabled = False
        'nb_btn_delete.Enabled = False
        nb_btn_search.Enabled = False
        nb_tb_book_title.Enabled = True
        nb_tb_author.Enabled = True
        nb_tb_edition.Enabled = True
        nb_tb_quantity.Enabled = True
        nb_tb_book_title.Clear()
        nb_tb_author.Clear()
        nb_tb_edition.Clear()
        auto_incre_book_id()
    Catch ex As Exception
        msg(ex)
    End Try
```

End Sub

Private Sub nb_rb_update_CheckedChanged(sender As Object, e As EventArgs) Handles
nb_rb_update.CheckedChanged

```
    Try
        nb_btn_save.Enabled = False
        nb_btn_update.Enabled = True
        'nb_btn_delete.Enabled = True
        nb_btn_search.Enabled = True
        nb_tb_book_title.Enabled = False
        nb_tb_author.Enabled = False
        nb_tb_edition.Enabled = False
```

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```
        nb_tb_quantity.Enabled = True
        nb_tb_book_id.Clear()
        nb_tb_quantity.Clear()
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub nb_btn_search_Click(sender As Object, e As EventArgs) Handles
nb_btn_search.Click
    Try
        If d.Query_select("select * from Book_Master where Book_Id=" &
nb_tb_book_id.Text & "") Then
            nb_tb_book_title.Text = d.dr(1)
            nb_tb_author.Text = d.dr(2)
            nb_tb_edition.Text = d.dr(3)
            nb_tb_quantity.Text = d.dr(4)
        Else
            MessageBox.Show("Book not found")
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub nb_btn_save_Click(sender As Object, e As EventArgs) Handles
nb_btn_save.Click
    Try
        If d.Query_insert_update("insert into Book_Master values(" &
nb_tb_book_id.Text & ", '" & nb_tb_book_title.Text & "', '" & nb_tb_author.Text & "', '"
& nb_tb_edition.Text & "', '" & nb_tb_quantity.Text & "', '" & Date.Today & "')" Then
            MessageBox.Show("Book Added")
            d.Fill_datagridview("select * From Book_Master")
            nb_dg.DataSource = d.table
            d.da.Update(d.table)
        Else
            MessageBox.Show("Couldn't Add Book")
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub auto_incre_book__id()
    Try
        If d.Query_select("select max(Book_Id) from Book_Master") Then

            If IsDBNull(d.dr(0)) Then
                nb_tb_book_id.Text = 1
            Else
                nb_tb_book_id.Text = Double.Parse(d.dr(0)) + 1
            End If

        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub
```


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```
Private Sub nb_btn_update_Click(sender As Object, e As EventArgs) Handles
nb_btn_update.Click
    Try
        If d.Query_insert_update("update Book_Master set Quantity=" &
nb_tb_quantity.Text & " where Book_Id=" & nb_tb_book_id.Text & "") Then
            MessageBox.Show("Updated")
        Else
            MessageBox.Show("Couldn't Update")
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub nm_rb_new_CheckedChanged(sender As Object, e As EventArgs) Handles
nm_rb_new.CheckedChanged
    Try
        nm_btn_add.Enabled = True
        nm_btn_delete.Enabled = False
        nm_btn_search.Enabled = True
        nm_btn_lib_id_search.Enabled = False
        nm_btn_lib_id_search.Enabled = False
        nm_tb_lib_id.Enabled = False
        auto_incre()
        nm_gp_membarship_for.Enabled = True
        nm_gp_membarship_for.Focus()
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub nm_rb_delete_CheckedChanged(sender As Object, e As EventArgs) Handles
nm_rb_delete.CheckedChanged
    Try
        nm_btn_add.Enabled = False
        nm_btn_delete.Enabled = True
        nm_btn_search.Enabled = False
        nm_btn_lib_id_search.Enabled = True
        nm_tb_id.Clear()
        nm_tb_id.Enabled = False
        nm_btn_lib_id_search.Enabled = True
        nm_tb_lib_id.Clear()
        nm_tb_lib_id.Enabled = True
        nm_gp_membarship_for.Enabled = True
        nm_gp_membarship_for.Focus()

    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub nm_btn_lib_id_search_Click(sender As Object, e As EventArgs) Handles
nm_btn_lib_id_search.Click
    Try
        If d.Query_select("select * from Library_Master where Library_Id=" &
nm_tb_lib_id.Text & "") Then

            If nm_rb_student.Checked Then
```

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```

        If d.Query_select("select
First_Name,Middle_Name,Surname,Mob_No,Email,Address,Id from Student_Master where
Library_Id = " & nm_tb_lib_id.Text & " ") Then
            MessageBox.Show("exist")
            nm_tb_fn.Text = d.dr(0)
            nm_tb_mn.Text = d.dr(1)
            nm_tb_ln.Text = d.dr(2)
            nm_tb_phone.Text = d.dr(3)
            nm_tb_email.Text = d.dr(4)
            nm_tb_address.Text = d.dr(5)
            nm_tb_id.Text = d.dr(6)
        Else
            MessageBox.Show("This student is not a membar of Library")
        End If
    ElseIf nm_rb_employee.Checked Then
        If d.Query_select("select
First_Name,Middle_Name,Surname,Phone,Email,Adderss,Emp_Id from Employee_Master where
Library_Id = " & nm_tb_lib_id.Text & " ") Then
            MessageBox.Show("exist")
            nm_tb_fn.Text = d.dr(0)
            nm_tb_mn.Text = d.dr(1)
            nm_tb_ln.Text = d.dr(2)
            nm_tb_phone.Text = d.dr(3)
            nm_tb_email.Text = d.dr(4)
            nm_tb_address.Text = d.dr(5)
            nm_tb_id.Text = d.dr(6)
        Else
            MessageBox.Show("This Employee is not a membar of Library")
        End If
    End If
Else
    MessageBox.Show("Membar not found")
End If
Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub nm_btn_delete_Click(sender As Object, e As EventArgs) Handles
nm_btn_delete.Click
    Try
        If nm_rb_student.Checked Then
            If d.Query_insert_update("delete from Library_Master where
Library_Id=" & nm_tb_lib_id.Text & "") And d.Query_insert_update("update
Student_Master set Library_Id=NULL where Library_Id=" & nm_tb_lib_id.Text & "") Then
                MessageBox.Show("Successfully Deleted")
            Else
                MessageBox.Show("Can't Be Delete")
            End If
        ElseIf nm_rb_employee.Checked Then
            If d.Query_insert_update("delete from Library_Master where
Library_Id=" & nm_tb_lib_id.Text & "") And d.Query_insert_update("update
Employee_Master set Library_Id=NULL where Library_Id=" & nm_tb_lib_id.Text & "") Then
                MessageBox.Show("Successfully Deleted")
            Else
                MessageBox.Show("Can't Be Delete")
            End If
        End If
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

```

```

End Try

End Sub
Private Sub mem_reset()

End Sub
Private Sub mem_clear()
    Try
        nm_tb_id.Clear()
        nm_tb_lib_id.Clear()
        nm_tb_fn.Clear()
        nm_tb_mn.Clear()
        nm_tb_ln.Clear()
        nm_tb_phone.Clear()
        nm_tb_email.Clear()
        nm_tb_address.Clear()
        nm_btn_add.Enabled = False
        nm_btn_delete.Enabled = False
        nm_gp_membership_for.Enabled = False
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
    irb_btn_search.Click
        Try
            If d.Query_select("select * from Library_Master where Library_Id=" &
                irb_tb_lib_id.Text & "") Then

                MessageBox.Show("exist")
                'irb_books_taken.Text = d.dr(2)
                If d.dr(1).ToString = "Student" Then
                    If d.Query_select("select First_Name,Middle_Name,Surname from
                        Student_Master where Library_Id=" & irb_tb_lib_id.Text & "") Then
                        irb_tb_name.Text = d.dr(0) + " " + d.dr(1) + " " + d.dr(2)
                    End If
                ElseIf d.dr(1).ToString = "Employee" Then
                    If d.Query_select("select First_Name,Middle_Name,Surname from
                        Employee_Master where Library_Id=" & irb_tb_lib_id.Text & "") Then
                        irb_tb_name.Text = d.dr(0) + " " + d.dr(1) + " " + d.dr(2)
                    End If
                End If
                book_taken()
                If d.Fill_datagridview("select Book_Id from Library_Details where
                    Library_Id=" & irb_tb_lib_id.Text & " and Returned_Date is null") Then
                    irb_cb_renew_book_id.DataSource = d.table
                    irb_cb_renew_book_id.DisplayMember = "Book_Id"
                End If
                fill_dg()
            Else
                MessageBox.Show("not exist")
            End If
        Catch ex As Exception
            msg(ex)
        End Try

End Sub

```

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```
Private Sub irb_book_search_Click(sender As Object, e As EventArgs) Handles
irb_book_search.Click
    Try
        If d.Query_select("select * from Book_Master where Book_Id=" &
irb_cb_book_id.Text & "") Then

            irb_tb_book_title.Text = d.dr(1)
            irb_tb_remaining_books.Text = d.dr("Quantity")

        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub irb_btn_issue_Click(sender As Object, e As EventArgs) Handles
irb_btn_issue.Click
    Try
        If d.Query_insert_update("insert into
Library_Details(Library_Id,Book_Id,Issued_Date,Recieving_Date,Returned_Date) values("
& irb_tb_lib_id.Text & "," & irb_cb_book_id.Text & "," &
irb_dtp_issue_date.Value.Date & "',''" & irb_dtp_last_date.Value.Date & "','NULL)") And
d.Query_insert_update("update Library_Master set Books_Taken=(select COUNT(*) from
Library_Details where Library_Id=" & irb_tb_lib_id.Text & " and Returned_Date is null)
where Library_Id=" & irb_tb_lib_id.Text & "") And d.Query_insert_update("update
Book_Master set Quantity=(Quantity-1) where Book_Id=" & irb_cb_book_id.Text & "") Then
            MessageBox.Show("Book Issued")
            d.Query_select("select Quantity from Book_Master where Book_Id=" &
irb_cb_book_id.Text & "")
            irb_tb_remaining_books.Text = d.dr(0)
            book_taken()
            fill_dg()
            If d.Fill_datagridview("select Book_Id from Library_Details where
Library_Id=" & irb_tb_lib_id.Text & " and Returned_Date is null") Then
                irb_cb_renew_book_id.DataSource = d.table
                irb_cb_renew_book_id.DisplayMember = "Book_Id"
            End If
        Else
            MessageBox.Show("Can't Issue")
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub irb_cb_book_id_SelectedIndexChanged_1(sender As Object, e As
EventArgs)
    Try
        irb_book_search.PerformClick()
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub irb_btn_renew_book_search_Click(sender As Object, e As EventArgs)
Handles irb_btn_renew_book_search.Click
    Try
```

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```
        If d.Query_select("select * from Book_Master where Book_Id=" &
irb_cb_renew_book_id.Text & "") Then

            irb_tb_renew_book_name.Text = d.dr(1)
            irb_tb_renew_book_name.Text = d.dr(2)

        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub irb_btn_renew_Click(sender As Object, e As EventArgs) Handles
irb_btn_renew.Click
    Try
        If d.Query_insert_update("update Library_Details set Recieving_Date='" &
irb_dtp_new_recieving_date.Value.Date & "'") Then
            MessageBox.Show("Book Renewed")
        Else
            MessageBox.Show("Couldn't Renew")
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub irb_btn_return_Click(sender As Object, e As EventArgs) Handles
irb_btn_return.Click
    Try
        If d.Query_insert_update("update Library_Details set Returned_Date = '" &
Date.Today & "' where Library_Id = " & irb_tb_lib_id.Text & " and Book_Id = " &
irb_cb_renew_book_id.Text & " and Returned_Date is null") And
d.Query_insert_update("update Library_Master set Books_Taken=(select COUNT(*) from
Library_Details where Library_Id=" & irb_tb_lib_id.Text & " and Returned_Date is null)
where Library_Id=" & irb_tb_lib_id.Text & "") And d.Query_insert_update("update
Book_Master set Quantity=(Quantity+1) where Book_Id=" & irb_cb_book_id.Text & "") Then
            MessageBox.Show("Book Returned")
            book_taken()
            If d.Fill_datagridview("select Book_Id from Library_Details where
Library_Id=" & irb_tb_lib_id.Text & " and Returned_Date is null") Then
                irb_cb_renew_book_id.DataSource = d.table
                irb_cb_renew_book_id.DisplayMember = "Book_Id"
            End If
            fill_dg()
        Else
            MessageBox.Show("Couldn't Return")
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub book_taken()
    Try
        If d.Query_select("select Books_Taken from Library_Master where
Library_Id=" & irb_tb_lib_id.Text & "") Then
            irb_books_taken.Clear()
            irb_books_taken.Clear()
        End If
    End Try
End Sub
```

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```
        irb_books_taken.Text = d.dr(0)
        bt = Integer.Parse(d.dr(0).ToString)
    End If
Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub fill_dg()
    Try
        If d.Fill_datagridview("select l.Book_Id as 'Book ID',b.Book_Title as
'Book Title',l.Issued_Date as 'Issued Date',l.Recieving_Date as 'Recieving Date' from
Library_Details l inner join Book_Master b on l.Book_Id=b.Book_Id where Library_Id=" &
irb_tb_lib_id.Text & " and Returned_Date is null") Then
            irb_DataGridView.DataSource = d.table
            d.da.Update(d.table)
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub pb_rb_student_CheckedChanged(sender As Object, e As EventArgs) Handles
pb_rb_student.CheckedChanged
    Try
        d.Fill_datagridview("select l.Library_Id,e.First_Name as 'First
Name',e.Middle_Name as 'Middle Name',e.Surname as 'Surname',e.Mob_No as 'Mob
No.',e.Email,e.Address,l.Books_Taken as 'Books Taken' from Student_Master e inner join
Library_Master l on e.Library_Id=l.Library_Id where l.Books_Taken != 0")
        pb_dg.DataSource = d.table
        d.da.Update(d.table)
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub pb_rb_emp_CheckedChanged(sender As Object, e As EventArgs) Handles
pb_rb_emp.CheckedChanged
    Try
        d.Fill_datagridview("select l.Library_Id,e.First_Name as 'First
Name',e.Middle_Name as 'Middle Name',e.Surname as
'Surname',e.Phone,e.Email,e.Adderss,l.Books_Taken as 'Books Taken' from
Employee_Master e inner join Library_Master l on e.Library_Id=l.Library_Id where
l.Books_Taken!=0")
        pb_dg.DataSource = d.table
        d.da.Update(d.table)
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub irb_books_taken_TextChanged(sender As Object, e As EventArgs) Handles
irb_books_taken.TextChanged
    Try
        books_taken_validate()

    Catch ex As Exception
        msg(ex)
    End Try
End Sub
```

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```
End Try
End Sub

Private Sub irb_cb_book_id_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles irb_cb_book_id.SelectedIndexChanged
Try
    If bt = 2 Then
        If Not String.IsNullOrEmpty(irb_tb_lib_id.Text) And Not
String.IsNullOrEmpty(irb_cb_renew_book_id.Text) Then
            If d.Query_select("select Book_Id from Library_Details where
Library_Id=" & irb_tb_lib_id.Text & " and Returned_Date is null") Then
                If d.dr(0) = irb_cb_book_id.Text Then
                    irb_btn_issue.Enabled = False
                    MessageBox.Show("Book already taken")
                Else
                    If IsDBNull(d.dr(0)) Then
                        d.dr.Read()
                        If d.dr(0) = irb_cb_book_id.Text Then
                            irb_btn_issue.Enabled = False
                            MessageBox.Show("Book already taken")
                        Else
                            irb_btn_issue.Enabled = True
                        End If
                    End If
                End If
            End If
        ElseIf bt = 1 Then
            If Not String.IsNullOrEmpty(irb_tb_lib_id.Text) And Not
String.IsNullOrEmpty(irb_cb_renew_book_id.Text) Then
                If d.Query_select("select Book_Id from Library_Details where
Library_Id=" & irb_tb_lib_id.Text & " and Returned_Date is null") Then
                    If d.dr(0) = irb_cb_book_id.Text Then
                        irb_btn_issue.Enabled = False
                        MessageBox.Show("Book already taken")
                    Else
                        irb_btn_issue.Enabled = True
                    End If
                End If
            End If
        End If
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub books_taken_validate()
Try
    If d.Query_select("select Books_Taken from Library_Master where
Library_Id=" & irb_tb_lib_id.Text & "") Then
        If d.dr(0) < 2 Then
            irb_btn_issue.Enabled = True
        Else
            irb_btn_issue.Enabled = False
        End If
    End If
Catch ex As Exception
```

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```
        msg(ex)
    End Try

End Sub

Private Sub btn_new_book_Click(sender As Object, e As EventArgs) Handles
btn_new_book.Click
    Try
        LibraryNewBook.Visible = True
        LibraryIssueRenewBook.Visible = False
        LibraryNewMembarship.Visible = False
        LibraryPendingBooks.Visible = False

        smallpanel1.Visible = True
        smallpanel2.Visible = False
        smallpanel3.Visible = False
        smallpanel4.Visible = False

        btn_new_book.BackColor = Color.FromArgb(63, 63, 70)
        btn_issue_book.BackColor = side.BackColor
        btn_membar.BackColor = side.BackColor
        btn_pending_books.BackColor = side.BackColor
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub btn_issue_book_Click(sender As Object, e As EventArgs) Handles
btn_issue_book.Click
    Try
        LibraryNewBook.Visible = False
        LibraryIssueRenewBook.Visible = True
        LibraryNewMembarship.Visible = False
        LibraryPendingBooks.Visible = False

        smallpanel1.Visible = False
        smallpanel2.Visible = True
        smallpanel3.Visible = False
        smallpanel4.Visible = False

        btn_new_book.BackColor = side.BackColor
        btn_issue_book.BackColor = Color.FromArgb(63, 63, 70)
        btn_membar.BackColor = side.BackColor
        btn_pending_books.BackColor = side.BackColor
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub btn_membar_Click(sender As Object, e As EventArgs) Handles
btn_membar.Click
    Try
        LibraryNewBook.Visible = False
        LibraryIssueRenewBook.Visible = False
        LibraryNewMembarship.Visible = True
        LibraryPendingBooks.Visible = False

        smallpanel1.Visible = False
        smallpanel2.Visible = False
        smallpanel3.Visible = True
```


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```
        smallpanel4.Visible = False

        btn_new_book.BackColor = side.BackColor
        btn_issue_book.BackColor = side.BackColor
        btn_membar.BackColor = Color.FromArgb(63, 63, 70)
        btn_pending_books.BackColor = side.BackColor
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub btn_pending_books_Click(sender As Object, e As EventArgs) Handles
btn_pending_books.Click
    Try
        LibraryNewBook.Visible = False
        LibraryIssueRenewBook.Visible = False
        LibraryNewMembarship.Visible = False
        LibraryPendingBooks.Visible = True
        smallpanel1.Visible = False
        smallpanel2.Visible = False
        smallpanel3.Visible = False
        smallpanel4.Visible = True
        btn_new_book.BackColor = side.BackColor
        btn_issue_book.BackColor = side.BackColor
        btn_membar.BackColor = side.BackColor
        btn_pending_books.BackColor = Color.FromArgb(63, 63, 70)
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub btn_book_report_Click(sender As Object, e As EventArgs) Handles
btn_book_report.Click
    Try
        Report_Form_LibraryBooks.Show()

    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub btn_pending_report_Click(sender As Object, e As EventArgs) Handles
btn_pending_report.Click
    Try
        Report_Form_LibraryPendingBooks.Show()
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub btn_membar_report_Click(sender As Object, e As EventArgs) Handles
btn_membar_report.Click
    Try
        Report_Form_LibraryMembar.Show()
    Catch ex As Exception
        msg(ex)
    End Try
End Sub
End Class
```

Report_Form_Admission :

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

    Dim d As New Db
    Dim dept_id As String = ""
    Dim course_name As String = ""
    Dim course_year As String = ""
    Dim ad_date As String = ""

    Private Sub Report_Form_Admission_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        Try
            If d.Query_select("select distinct(year(Admission_Date)) from Student_Master order by year(Admission_Date) desc") Then

                ComboBox1.Items.Add("All")
                ComboBox1.Items.Add(d.dr(0))
                While d.dr.Read
                    ComboBox1.Items.Add(d.dr(0))

                End While
                ComboBox1.SelectedIndex = 0
            End If
            If d.Query_select("select Dept_Name from Department_Master where Dept_Type = 0") Then
                ComboBox2.Items.Add("All")
                ComboBox2.Items.Add(d.dr(0))
                While d.dr.Read
                    ComboBox2.Items.Add(d.dr(0))

                End While
                ComboBox2.SelectedIndex = 0
                dept_id = ""
            End If
        Catch ex As Exception
            msg(ex)
        End Try

    End Sub

    Private Sub ComboBox2_SelectedIndexChanged(sender As Object, e As EventArgs) Handles ComboBox2.SelectedIndexChanged
        Try
            If 0 < ComboBox2.SelectedIndex Then
                If d.Query_select("select Course_Name from Course_Master where Dept_Id=(select Dept_Id from Department_Master where Dept_Name='" & ComboBox2.Text & "')") Then
                    ComboBox3.Items.Clear()
                    ComboBox3.Items.Add("All")
                    ComboBox3.Items.Add(d.dr(0))
                    While d.dr.Read
                        ComboBox3.Items.Add(d.dr(0))

                    End While
                    ComboBox3.SelectedIndex = 0
                    If d.Query_select("select Dept_Id from Department_Master where Dept_Name='" & ComboBox2.Text & "'") Then
                        dept_id = d.dr(0)
                    End If
                End If
            ElseIf 0 = ComboBox2.SelectedIndex Then
```

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```
        ComboBox3.Items.Clear()
        ComboBox3.Items.Add("All")
        ComboBox3.SelectedIndex = 0
        dept_id = ""
    End If
Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub ComboBox3_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox3.SelectedIndexChanged
    Try
        If 0 = ComboBox3.SelectedIndex Then
            ComboBox4.Items.Clear()
            ComboBox4.Items.Add("All")
            ComboBox4.SelectedIndex = 0
            course_name = ""
        ElseIf 0 < ComboBox3.SelectedIndex Then
            If d.Query_select("select Years from Course_Master where
Course_Name='" & ComboBox3.Text & "'") Then
                ComboBox4.Items.Clear()
                ComboBox4.Items.Add("All")
                For i As Integer = 1 To d.dr(0)
                    ComboBox4.Items.Add(i)
                Next
                ComboBox4.SelectedIndex = 0
                course_name = ComboBox3.Text
            End If
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Try
        Dim cr As New CrystalReportAdmission
        Dim str = "select s.*,c.*,d.* from Student_Master s inner join
Course_Master c on s.Course_Id=c.Course_Id inner join Department_Master d on c.Dept_Id
= d.Dept_Id where YEAR(s.Admission_Date) like '%" & ad_date & "%' and c.Course_Name
like '%" & course_name & "%' and s.Course_Year like '%" & course_year & "%' and
c.Dept_Id like '%" & dept_id & "%'"
        d.Connection_close()
        d.Connection_open()
        d.da = New SqlDataAdapter(str, d.con)
        Dim ds As New DataSet
        d.da.Fill(ds, "View_Student")
        cr.SetDataSource(ds)
        CrystalReportViewer1.ReportSource = cr
        cr.Refresh()
        CrystalReportViewer1.Refresh()
    Catch ex As Exception
        msg(ex)
    End Try

End Sub
```

```

Private Sub ComboBox1_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox1.SelectedIndexChanged
Try
    If 0 = ComboBox1.SelectedIndex Then
        ad_date = ""
    ElseIf 0 < ComboBox1.SelectedIndex Then
        ad_date = ComboBox1.Text
    End If
Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub ComboBox4_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox4.SelectedIndexChanged
Try
    If 0 = ComboBox4.SelectedIndex Then
        course_year = ""
    ElseIf 0 < ComboBox4.SelectedIndex Then
        course_year = ComboBox4.SelectedIndex
    End If
Catch ex As Exception
    msg(ex)
End Try

End Sub
End Class

```

Report_Form_Finance_Fees :

```

Imports System.Data.SqlClient
Public Class Report_Form_Finance_Fees

    Dim d As New Db
    Dim course_name As String = ""
    Dim dept_id As String = ""
    Dim dept_name As String = ""
    Dim course_year As String = ""
    Dim yr As String = ""

    Private Sub Report_Form_Finance_Fees_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
Try
    If d.Query_select("select distinct(year(Admission_Date)) from
Student_Master order by year(Admission_Date) desc") Then

        ComboBox1.Items.Add("All")
        ComboBox1.Items.Add(d.dr(0))
        While d.dr.Read
            ComboBox1.Items.Add(d.dr(0))
        End While
        ComboBox1.SelectedIndex = 0
    End If
    If d.Query_select("select Dept_Name from Department_Master where
Dept_Type = 0") Then
        ComboBox2.Items.Add("All")
        ComboBox2.Items.Add(d.dr(0))
        While d.dr.Read

```

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```
        ComboBox2.Items.Add(d.dr(0))

    End While
    ComboBox2.SelectedIndex = 0
    dept_id = ""
End If
Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub ComboBox2_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox2.SelectedIndexChanged
    Try
        If 0 < ComboBox2.SelectedIndex Then
            If d.Query_select("select Course_Name from Course_Master where
Dept_Id=(select Dept_Id from Department_Master where Dept_Name='" & ComboBox2.Text &
"')") Then
                ComboBox3.Items.Clear()
                ComboBox3.Items.Add("All")
                ComboBox3.Items.Add(d.dr(0))
                While d.dr.Read
                    ComboBox3.Items.Add(d.dr(0))
                End While
                ComboBox3.SelectedIndex = 0
                dept_name = ComboBox2.SelectedItem
            End If
        ElseIf 0 = ComboBox2.SelectedIndex Then
            ComboBox3.Items.Clear()
            ComboBox3.Items.Add("All")
            ComboBox3.SelectedIndex = 0
            dept_id = ""
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub ComboBox3_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox3.SelectedIndexChanged
    Try
        If 0 = ComboBox3.SelectedIndex Then
            ComboBox4.Items.Clear()
            ComboBox4.Items.Add("All")
            ComboBox4.SelectedIndex = 0
            course_name = ""
        ElseIf 0 < ComboBox3.SelectedIndex Then
            If d.Query_select("select Years from Course_Master where
Course_Name='" & ComboBox3.Text & "'") Then
                ComboBox4.Items.Clear()
                ComboBox4.Items.Add("All")
                For i As Integer = 1 To d.dr(0)
                    ComboBox4.Items.Add(i)
                Next
                ComboBox4.SelectedIndex = 0
                course_name = ComboBox3.Text
            End If
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub
```

```

End Try

End Sub

Private Sub ComboBox1_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox1.SelectedIndexChanged
Try
    If ComboBox1.SelectedIndex = 0 Then
        yr = ""
    ElseIf ComboBox1.SelectedIndex > 0 Then
        yr = ComboBox1.Text
    End If
Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
Try
    Dim cr As New CrystalReportStudentFees
    Dim str As String = "select * from Fee_Master f inner join Student_Master
s on f.Stud_Id=s.Id inner join Course_Master c on s.Course_Id=c.Course_Id inner join
Department_Master d on c.Dept_Id=d.Dept_Id where YEAR(s.Admission_Date) like '%" & yr
& '%' and d.Dept_Name like '" & dept_name & '%" and c.Course_Name like '%" &
course_name & '%" and f.Course_Year like '%" & course_year & '%"
    d.Connection_close()
    d.Connection_open()
    d.da = New SqlDataAdapter(str, d.con)
    Dim ds As New DataSet
    d.da.Fill(ds, "View_Fee")
    cr.SetDataSource(ds)
    CrystalReportViewer1.ReportSource = cr
    cr.Refresh()
    CrystalReportViewer1.Refresh()
Catch ex As Exception
    msg(ex)
End Try

End Sub

Private Sub ComboBox4_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox4.SelectedIndexChanged
Try
    If ComboBox4.SelectedIndex = 0 Then
        course_year = ""
    ElseIf ComboBox4.SelectedIndex > 0 Then
        course_year = ComboBox4.SelectedItem
    End If
Catch ex As Exception
    msg(ex)
End Try

End Sub
End Class

```

Report_Form_Finance_Salary :

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

    Dim d As New Db
    Dim emp_id As String = ""
    Dim dept_name As String = ""
    Dim yr As String = ""
    Dim mnth As String = ""
    Dim dept_type As String = ""

    Private Sub Report_Form_Finance_Salary_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        Try
            If d.Query_select("select distinct(year(Salary_Date)) from Salary_Details
order by Year(Salary_Date) desc") Then

                ComboBox1.Items.Add("All")
                ComboBox1.Items.Add(d.dr(0))
                While d.dr.Read

                    ComboBox1.Items.Add(d.dr(0))

                End While
                ComboBox1.SelectedIndex = 0

            End If
            ComboBox2.Items.Add("All")
            For i As Integer = 1 To 12
                ComboBox2.Items.Add(MonthName(i))
            Next
            ComboBox2.SelectedIndex = 0
            ComboBox3.SelectedIndex = 0
            ComboBox5.SelectedIndex = 0
        Catch ex As Exception
            msg(ex)
        End Try

    End Sub

    Private Sub ComboBox3_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox3.SelectedIndexChanged
        Try
            If 1 = ComboBox3.SelectedIndex Then

                If d.Query_select("select Dept_Name from Department_Master where
Dept_Type =0 ") Then
                    ComboBox4.Items.Clear()
                    ComboBox4.Items.Add("All")
                    ComboBox4.Items.Add(d.dr(0))
                    While d.dr.Read
                        ComboBox4.Items.Add(d.dr(0))
                    End While
                    ComboBox4.SelectedIndex = 0
                End If
                dept_type = "0"

            ElseIf 2 = ComboBox3.SelectedIndex Then
                If d.Query_select("select Dept_Name from Department_Master where
Dept_Type =1") Then
                    ComboBox4.Items.Clear()

```

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```
        ComboBox4.Items.Add("All")
        ComboBox4.Items.Add(d.dr(0))
        While d.dr.Read
            ComboBox4.Items.Add(d.dr(0))
        End While
        ComboBox4.SelectedIndex = 0
    End If
    dept_type = "1"
ElseIf 0 = ComboBox3.SelectedIndex Then
    ComboBox4.Items.Clear()
    ComboBox4.Items.Add("All")
    ComboBox4.SelectedIndex = 0
    dept_type = ""

End If
Catch ex As Exception
    msg(ex)
End Try
End Sub

Private Sub ComboBox5_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox5.SelectedIndexChanged
    Try
        If ComboBox5.SelectedIndex = 0 Then
            TextBox1.Enabled = False
            'Button2.Enabled = False
            ComboBox2.Enabled = True
            ComboBox3.Enabled = True
            ComboBox4.Enabled = True
            Button1.Enabled = True
            TextBox1.Clear()
        ElseIf ComboBox5.SelectedIndex = 1 Then
            TextBox1.Enabled = True
            ' Button2.Enabled = True
            ComboBox2.Enabled = False
            ComboBox3.Enabled = False
            ComboBox4.Enabled = False
            Button1.Enabled = False
        End If
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Try
        Dim cr As New CrystalReportFinance_Salary
        Dim str As String = "select * from Employee_Master e inner join
Salary_Details s on e.Emp_Id=s.Emp_Id inner join Designation_Master deg on
e.Designation=deg.Designation_Id inner join Department_Master d on
e.Department=d.Dept_Id where e.Emp_Id like '%" & TextBox1.Text & "%' and
YEAR(s.Salary_Date) like '%" & yr & "%' and MONTH(Salary_Date) like '%" & mnth & "%'
and d.Dept_Type LIKE '%" & dept_type & "%' and d.Dept_Name like '%" & dept_name & "%'"
        d.Connection_close()
        d.Connection_open()
        d.da = New SqlDataAdapter(str, d.con)
        Dim ds As New DataSet
        d.da.Fill(ds, "View_Salary")
        cr.SetDataSource(ds)
        CrystalReportViewer1.ReportSource = cr
        cr.Refresh()
```



```

        CrystalReportViewer1.Refresh()
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub TextBox1_TextChanged(sender As Object, e As EventArgs) Handles
    TextBox1.TextChanged
    Try
        If IsNumeric(TextBox1.Text) Then
            Button1.Enabled = True
        Else
            Button1.Enabled = False
            TextBox1.Clear()
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub ComboBox1_SelectedIndexChanged(sender As Object, e As EventArgs)
    Handles ComboBox1.SelectedIndexChanged
    Try
        If ComboBox1.SelectedIndex > 0 Then
            yr = ComboBox1.Text
        ElseIf ComboBox1.SelectedIndex = 0 Then
            yr = ""
        End If
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub ComboBox2_SelectedIndexChanged(sender As Object, e As EventArgs)
    Handles ComboBox2.SelectedIndexChanged
    Try
        If ComboBox2.SelectedIndex > 0 Then
            mnth = ComboBox2.SelectedIndex
        ElseIf ComboBox2.SelectedIndex = 0 Then
            mnth = ""
        End If
    Catch ex As Exception
        msg(ex)
    End Try
End Sub

Private Sub ComboBox4_SelectedIndexChanged(sender As Object, e As EventArgs)
    Handles ComboBox4.SelectedIndexChanged
    Try
        If ComboBox4.SelectedIndex = 0 Then
            dept_name = ""
        ElseIf ComboBox4.SelectedIndex > 0 Then
            dept_name = ComboBox4.Text
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub
End Class

```

Report_Form_HumanResource :

Imports System.Data.SqlClient

Public Class Report_Form_HumanResource

Dim d As New Db

Dim s As String = ""

Dim type As String = ""

Private Sub Report_Form_HumanResource_Load(sender As Object, e As EventArgs)
Handles MyBase.Load

Try

If d.Query_select("select distinct(year(Date)) from Employee_Master order
by (year(Date)) desc") Then

ComboBox1.Items.Add("All")

ComboBox1.Items.Add(d.dr(0))

While d.dr.Read

ComboBox1.Items.Add(d.dr(0))

End While

ComboBox1.SelectedIndex = 0

End If

ComboBox2.SelectedIndex = 0

Catch ex As Exception

msg(ex)

End Try

End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
Try

Dim cr As New CrystalReportHumanResource

Dim str As String = "select * from Employee_Master e inner join
Department_Master d on e.Department = d.Dept_Id inner join Designation_Master deg on
e.Designation = deg.Designation_Id where YEAR(e.Date) like '%" & s & "%' and
d.Dept_Type like '%" & type & "%'"

Dim ds As New DataSet

d.Connection_close()

d.Connection_open()

d.da = New SqlDataAdapter(str, d.con)

d.da.Fill(ds, "View2")

cr.SetDataSource(ds)

CrystalReportViewer1.ReportSource = cr

CrystalReportViewer1.Refresh()

Catch ex As Exception

msg(ex)

End Try

End Sub

Private Sub ComboBox1_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox1.SelectedIndexChanged

Try

If 0 = ComboBox1.SelectedIndex Then

s = ""

Else

s = ComboBox1.Text

End If

Catch ex As Exception

msg(ex)

End Try

End Sub

```

Private Sub ComboBox2_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ComboBox2.SelectedIndexChanged
    Try
        If 0 = ComboBox2.SelectedIndex Then
            type = ""
        ElseIf 1 = ComboBox2.SelectedIndex Then
            type = 1
        ElseIf 2 = ComboBox2.SelectedIndex Then
            type = 0
        End If
    Catch ex As Exception
        msg(ex)
    End Try

End Sub
End Class

```

Report_Form_LibraryBooks :

```

Imports System.Data.SqlClient
Public Class Report_Form_LibraryBooks

    Dim d As New Db

    Private Sub Report_Form_LibraryBooks_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
        Try
            Dim cr As New CrystalReportLibraryBooks
            Dim Str As String = "select * from Book_Master"
            d.Connection_close()
            d.Connection_open()
            d.da = New SqlDataAdapter(Str, d.con)
            Dim ds As New DataSet
            d.da.Fill(ds, "View_Book")
            cr.SetDataSource(ds)
            CrystalReportViewer1.ReportSource = cr
            CrystalReportViewer1.Refresh()

        Catch ex As Exception
            msg(ex)
        End Try

    End Sub
End Class

```

Report_Form_LibraryMembar:

```

Imports System.Data.SqlClient
Public Class Report_Form_LibraryMembar
    Dim Str As String
    Dim d As New Db

    Private Sub pb_rb_student_CheckedChanged(sender As Object, e As EventArgs) Handles
pb_rb_student.CheckedChanged
        Try
            Dim cr As New CrystalReportLibraryMembarStudent
            Str = "select * from Student_Master s inner join Library_Master l on
s.Library_Id = l.Library_Id"
            d.Connection_close()
            d.Connection_open()
            d.da = New SqlDataAdapter(Str, d.con)
            Dim ds As New DataSet

```

```

        d.da.Fill(ds, "View_Student_Library")
        cr.SetDataSource(ds)
        CrystalReportViewer1.ReportSource = cr
        CrystalReportViewer1.Refresh()
    Catch ex As Exception
        msg(ex)
    End Try

End Sub

Private Sub pb_rb_emp_CheckedChanged(sender As Object, e As EventArgs) Handles
pb_rb_emp.CheckedChanged
    Try
        Dim cr As New CrystalReportLibraryMembarEmployee
        Str = "select * from Employee_Master s inner join Library_Master l on
s.Library_Id = l.Library_Id"
        d.Connection_close()
        d.Connection_open()
        d.da = New SqlDataAdapter(Str, d.con)
        Dim ds As New DataSet
        d.da.Fill(ds, "View_Employee_Library")
        cr.SetDataSource(ds)
        CrystalReportViewer1.ReportSource = cr
        CrystalReportViewer1.Refresh()
    Catch ex As Exception
        msg(ex)
    End Try

End Sub
End Class

```

Report_Form_LibraryPendingBooks :

Imports System.Data.SqlClient

Public Class Report_Form_LibraryPendingBooks

```

    Dim d As New Db
    Dim Str As String

    Private Sub pb_rb_student_CheckedChanged(sender As Object, e As EventArgs) Handles
pb_rb_student.CheckedChanged
        Try
            Dim cr As New CrystalReportPendingBook
            Str = "select * from Student_Master s inner join Library_Master l on
s.Library_Id = l.Library_Id where l.Books_Taken !=0"
            d.Connection_close()
            d.Connection_open()
            d.da = New SqlDataAdapter(Str, d.con)
            Dim ds As New DataSet
            d.da.Fill(ds, "View_Student_Library")
            cr.SetDataSource(ds)
            CrystalReportViewer1.ReportSource = cr
            CrystalReportViewer1.Refresh()
        Catch ex As Exception
            msg(ex)
        End Try

    End Sub

    Private Sub pb_rb_emp_CheckedChanged(sender As Object, e As EventArgs) Handles
pb_rb_emp.CheckedChanged
        Try
            Dim cr As New CrystalReportPndingBookEmployee

```

College Management System

```
        Str = "select * from Employee_Master s inner join Library_Master l on  
s.Library_Id = l.Library_Id where l.Books_Taken !=0"  
        d.Connection_close()  
        d.Connection_open()  
        d.da = New SqlDataAdapter(Str, d.con)  
        Dim ds As New DataSet  
        d.da.Fill(ds, "View_Employee_Library")  
        cr.SetDataSource(ds)  
        CrystalReportViewer1.ReportSource = cr  
        CrystalReportViewer1.Refresh()  
    Catch ex As Exception  
        msg(ex)  
    End Try  
  
End Sub  
End Class
```

REPORTS

College Management System

Reports

Admission Report :

Report_Form_Admission

Year: All
Department: All
Course: All
Course_Year: All

Show

25-03-2019

Student Amission Report

Id	First Name	Middle Name	Surname	Gender	Dept Name	Course Name	Course Year	Admission Date
1	nikhil	manik	dingane	Male	Computer Science	BCS	1	24-03-2018 00:00
2	nikhil	manik	thorat	Male	Computer Science	BCA	1	24-03-2019 00:00
3	ashwin	appaso	thorat	Male	Computer Science	BCS	2	24-03-2019 00:00
4	ashwin	appaso	Kharate	Male	Computer Science	BCS	3	24-03-2019 00:00
5	digambar	Manik	Dingane	Male	Science	B.Sc.	1	24-03-2019 00:00
6	pallavi	Manik	Dingane	Female	Science	M.Sc.	1	24-03-2019 00:00
7	snehali	sudhir	Katavkar	Female	Arts	B.A.	1	24-03-2018 00:00
8	snehali	sudhir	Mane	Female	Arts	M.A.	2	24-03-2019 00:00
9	Priyanka	Pratap	Khandagale	Female	Commerce	M.Com.	2	24-03-2019 00:00
10	Sanika	Sunil	Inamdar	Female	Commerce	B.Com.	1	24-03-2017 00:00

Current Page No: 1 Total Page No: 1 Zoom Factor: 100%

Student Fee Report :

Report_Form_Finance_Fees

Year: All
Department: All
Course: All
Course_Year: All

Show

25-03-2019

Student Fee Report

Id	First Name	Surname	Mob No	Admission Date	Dept Name	Course Name	Course Year	Course Fee	Paid Fee	Remaining Fee
1	nikhil	dingane	2478367846	24-03-2018	Computer Science	BCS	1	17000.00	10000.00	7000.00
2	nikhil	thorat	2478367846	24-03-2019	Computer Science	BCA	1	25000.00	0.00	25000.00
3	ashwin	thorat	2478367846	24-03-2019	Computer Science	BCS	2	17000.00	1000.00	16000.00
4	ashwin	Kharate	2478367846	24-03-2019	Computer Science	BCS	3	17000.00	17000.00	0.00
5	digambar	Dingane	2478367846	24-03-2019	Science	B.Sc.	1	8000.00	0.00	8000.00
6	pallavi	Dingane	2478367846	24-03-2019	Science	M.Sc.	1	40000.00	0.00	40000.00
7	snehali	Katavkar	2478367846	24-03-2018	Arts	B.A.	1	3000.00	0.00	3000.00
8	snehali	Mane	2478367846	24-03-2019	Arts	M.A.	2	20000.00	0.00	20000.00

Current Page No: 1 Total Page No: 1 Zoom Factor: 100%

College Management System

Employee Salary Report :

Report_Form_Finance

25-03-2019

Salary Report

Emp Id	First Name	Surname	Department Name	Phone	Designation Name	Salary Month	Leave s	Salary	Salary Date
3	Shubham	Rokade	Commerce	7473848374	Professor	February	3	7500	25-03-2019
1	Shrikant	Khatavkar	Science	3473848374	Professor	February	0	11200	25-03-2018
6	Ashwin	Kharate	Computer Science	4237482734	HOD	February	0	196000	25-03-2018
4	Ashish	Mohite	Laboratory	4342342342	Lab Assistant	February	5	4600	25-03-2018
2	Harshal	Jadhaw	Office	9547547835	Peon	February	0	11200	25-03-2019
5	Rohit	Kapase	Commerce	9584358748	Professor	February	0	14000	25-03-2019
2	Harshal	Jadhaw	Office	9547547835	Peon	March	0	12400	25-04-2018
5	Rohit	Kapase	Commerce	9584358748	Professor	March	0	15500	25-04-2018

Employee ID :

Year :

Month :

Type :

Department :

Show

Employee Report :

Report_Form_HumanResource

Employee Report

Emp Id	First Name	Middle Name	Surname	Gender	Dept Name	Designation Name
1.00	Shrikant	Rajendra	Khatavkar	Male	Science	Professor
2.00	Harshal	Sanjay	Jadhaw	Male	Office	Peon
3.00	Shubham	Rajendra	Rokade	Male	Commerce	Professor
4.00	Ashish	Uday	Mohite	Male	Laboratory	Lab Assistant
5.00	Rohit	Prakash	Kapase	Male	Commerce	Professor
6.00	Ashwin	Appaso	Kharate	Male	Computer Science	HOD
7.00	Usha	Ashish	jadhav	Female	Arts	Lecturer
8.00	Nilam	Akash	Poi	Female	Arts	Lecturer
9.00	Maresh	Shivaji	Kajawe	Male	Office	Cleark

Year :

Type :

Show

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

College Management System

Library Book Report :

Report_Form_LibraryBooks

25-03-2019

Book Report

Book Id	Book Title	Author	Edition	Quantity	Date
1.00	Th thory of everything	Jaico	1 st edition 2006	9	25-03-2019 00:
2.00	Magical Books of Quicker	SCHAND	2013	12	25-03-2019 00:
3.00	Relativity	M.A.Paul	1st edition	11	25-03-2019 00:
4.00	Lucentss General Science	Lucent	2nd Edition 2015	9	25-03-2019 00:
5.00	UGC Net Commerce	Anihant	3rd	8	25-03-2019 00:

Main Report

SAP CRYSTAL REPORTS®

Library Member Report :

Report_Form_LibraryMembar

25-03-2019

Library Membar Report(Employee)

Emp Id	Library Id	First Name	Middle Name	Surname	Gender	Phone
1	6	Shrikant	Rajendra	Khatavkar	Male	3473848374
3	7	Shubham	Rajendra	Rokade	Male	7473848374
6	5	Ashwin	Appaso	Kharate	Male	4237482734

☐ Student

☒ Employee

Main Report

SAP CRYSTAL REPORTS®

Library Pending Books Report :

Report_Form_Library

SAP CRYSTAL REPORTS

Main Report

25-03-2019

Pending Books Report of Employee

Emp Id	Library Id	First Name	Middle Name	Surname	Phone	Books Taken
1	6	Shrikant	Rajendra	Khatavkar	3473848374	1
3	7	Shubham	Rajendra	Rokade	7473848374	2
6	5	Ashwin	Appaso	Kharate	4237482734	1

○ Student

● Employee

Windows Taskbar: 12:40 AM, ENG

Advantages of System

1. This system is applicable user friendly.
2. It is fast, efficient and reliable
3. Avoids data redundancy and inconsistency
4. Easy accessibility of data.
5. Number of persons required is considerably less
6. Provides more security and integrity to data

Limitations of System

1. This system is applicable for only Small Colleges having mentioned courses.
2. This system cannot support to the online facility to the admission and fees transaction.

Conclusion

By implementing the project VB.Net and SQL server 2008 this project record for increment of human efficiency by applying the computer resources in the official work. So, we can also say that this is a technology, which is boon for the enterprise section of the world.

The project that we have completed can be used in any with minor modification according to the requirements. In this experienced that for project in with. In this project we have used SQL server 2008.

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