DESIGN:-

Form1.cs

CODE:-
```
using System.Windows.Forms;
using System.Data.SqlClient;
using System.Data;

namespace DAMS
{
```

```csharp
public partial class Form1 : Form
{
    SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Prayagraj
\Documents\DAMSdb.mdf;Integrated Security=True;Connect Timeout=30");
    public Form1()
    {
        InitializeComponent();
    }

    private void button1_Click(object sender, EventArgs e)
    {
        if(DocNameTb.Text == "" || PassTb.Text == "")
        {
            MessageBox.Show("Please enter a UserName and a
PassWord");
        }
        else
        {
            con.Open();
            SqlDataAdapter sda = new SqlDataAdapter("select Count(*) from
DoctorTable where DocName='" + DocNameTb.Text + "'and DocPass = '"+
PassTb.Text +"'", con);
            DataTable dt = new DataTable();
            sda.Fill(dt);
            if (dt.Rows[0][0].ToString() == "1")
            {
                Home h = new Home();
                h.Show();
                this.Hide();
            }
            else
            {
                MessageBox.Show("Wrong UserName and Password");
            }
```

```
            con.Close();
        }


    }

    private void label2_Click(object sender, EventArgs e)
    {
        DocNameTb.Text = "";
        PassTb.Text = "";
    }
  }
}
```
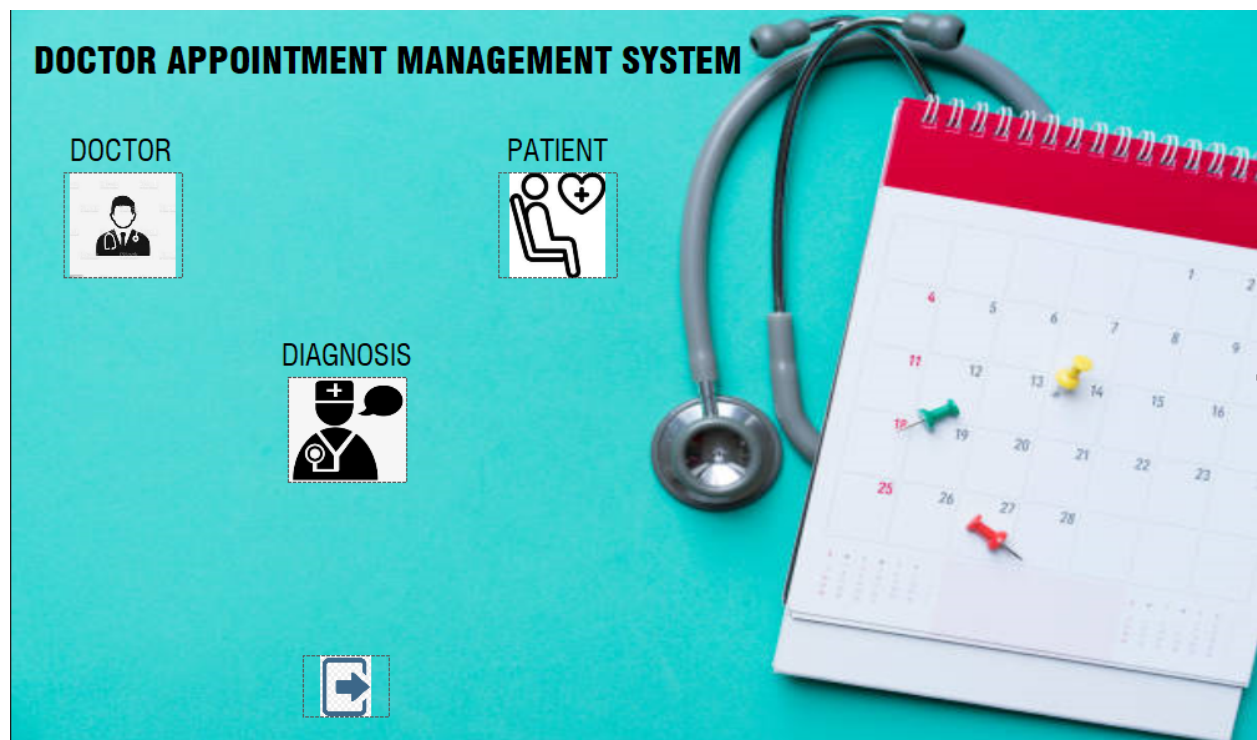
Home.cs:-

CODE:-
```
using System;
using System.Collections.Generic;
```

```csharp
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace DAMS
{
    public partial class Home : Form
    {
        public Home()
        {
            InitializeComponent();
        }

        private void pictureBox4_Click(object sender, EventArgs e)
        {
            this.Hide();
            Form1 f = new Form1();
            f.Show();

        }

        private void Home_Load(object sender, EventArgs e)
        {

        }

        private void pictureBox1_Click(object sender, EventArgs e)
        {
            DoctorForm Doc = new DoctorForm();
            Doc.Show();
            this.Hide();
```

```
        }

        private void pictureBox2_Click(object sender, EventArgs e)
        {
            PatientForm Pat = new PatientForm();
            Pat.Show();
            this.Hide();
        }

        private void pictureBox3_Click(object sender, EventArgs e)
        {
            DiagnosisForm Diag = new DiagnosisForm();
            Diag.Show();
            this.Hide();
        }
    }
}
```

SplashForm.cs:-

```csharp
CODE:-
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace DAMS
{
    public partial class SplashForm : Form
    {
        public SplashForm()
        {
            InitializeComponent();
        }
        int startpoint = 0;
        private void timer1_Tick(object sender, EventArgs e)
        {
            startpoint += 1;
            ProgressBar.Value= startpoint;
            if(ProgressBar.Value == 100 )
            {
                ProgressBar.Value = 0;
                timer1.Stop();
                Form1 login = new Form1();
                login.Show();
                this.Hide();
            }
        }

        private void SplashForm_Load(object sender, EventArgs e)
```

```
        {
            this.timer1.Start();
        }
    }
}
```

PatientForm.cs:-

CODE:-
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Security.Cryptography;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
```

```csharp
using System.Data.SqlClient;


namespace DAMS
{
    public partial class PatientForm : Form
    {

        public PatientForm()
        {
            InitializeComponent();
        }
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Prayagraj
\Documents\DAMSdb.mdf;Integrated Security=True;Connect Timeout=30");
        void populate()
        {
            con.Open();
            string query = "select * from PatientTable";
            SqlDataAdapter da = new SqlDataAdapter(query, con);
            SqlCommandBuilder builder = new SqlCommandBuilder(da);
            var ds = new DataSet();
            da.Fill(ds);
            PatientGV.DataSource = ds.Tables[0];
            con.Close();
        }

        private void button4_Click(object sender, EventArgs e)
        {
            Home h = new Home();
            h.Show();
            this.Hide();

        }
```

```csharp
private void button1_Click(object sender, EventArgs e)
{
    if (PatId.Text == "" || PatName.Text == "" || PatAdd.Text == "" ||
PatPhone.Text == "" || PatAge.Text == "" || PatDisease.Text == "")
    {
        MessageBox.Show("Please fill values... No empty box is
allowed");
    }
    else
    {
        con.Open();
        string query = "insert into PatientTable values(" + PatId.Text + ",'"
+ PatName.Text + "','" + PatAdd.Text + "','" + PatPhone.Text + "', " + PatAge
+ ", '" + GenderCb.SelectedItem.ToString() + "','" +
BloodCb.SelectedItem.ToString() + "', " + PatDisease.Text + "')";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.ExecuteNonQuery();
        MessageBox.Show("Patient info successfully added");
        con.Close();
        populate();
    }
}

private void PatientForm_Load(object sender, EventArgs e)
{
    populate();
}

private void button3_Click(object sender, EventArgs e)
{
    if (PatId.Text == "")
    {
        MessageBox.Show("Enter the Patient's ID");
```

```csharp
        }
        else
        {
            con.Open();
            string query = "delete from PatientTable where PatId =" +
PatId.Text + "";
            SqlCommand cmd = new SqlCommand(query, con);
            cmd.ExecuteNonQuery();
            MessageBox.Show("Patient Info Successfully deleted");
            con.Close();
            populate();
        }
    }

    private void PatientGV_CellContentClick(object sender,
DataGridViewCellEventArgs e)
    {
        PatId.Text = PatientGV.SelectedRows[0].Cells[0].Value.ToString();
        PatName.Text =
PatientGV.SelectedRows[0].Cells[1].Value.ToString();
        PatAdd.Text = PatientGV.SelectedRows[0].Cells[2].Value.ToString();
        PatPhone.Text =
PatientGV.SelectedRows[0].Cells[3].Value.ToString();
        PatAge.Text = PatientGV.SelectedRows[0].Cells[4].Value.ToString();
        PatDisease.Text =
PatientGV.SelectedRows[0].Cells[7].Value.ToString();
    }

    private void button2_Click(object sender, EventArgs e)
    {
        con.Open();
        string query = "update PatientTable set PatName = '" +
PatName.Text + "', PatAdd = '" + PatAdd.Text + "', PatPhone = '" +
PatPhone.Text + "',PatAge = " + PatAge.Text + ",PatGender='" +
```

```
GenderCb.SelectedItem.ToString() + "',PatBlood= '" +
BloodCb.SelectedItem.ToString() + "' where PatId= " + PatId.Text +"";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.ExecuteNonQuery();
        MessageBox.Show("Patient Info successfully updated");
        con.Close();
        populate();
    }
  }
}
```

DoctorForm.cs:-


```
CODE:-
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
```

```csharp
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace DAMS
{
    public partial class DoctorForm : Form
    {

        public DoctorForm()
        {
            InitializeComponent();
        }

        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Prayagraj
\Documents\DAMSdb.mdf;Integrated Security=True;Connect Timeout=30");
        void populate()
        {
            con.Open();
            string query = "select * from DoctorTable";
            SqlDataAdapter da = new SqlDataAdapter(query, con);
            SqlCommandBuilder builder = new SqlCommandBuilder(da);
            var ds = new DataSet();
            da.Fill(ds);
            DocGV.DataSource = ds.Tables[0];
            con.Close();
        }

        private void button4_Click(object sender, EventArgs e)
        {
            Home h = new Home();
            h.Show();
            this.Hide();
```

```csharp
        }

        private void button1_Click(object sender, EventArgs e)
        {
            if (DocId.Text == "" || DocName.Text == "" || DocPass.Text == "" ||
DocExp.Text == "")
            {
                MessageBox.Show("Please fill values... No empty box is
allowed");
            }
            else
            {
                con.Open();
                string query = "insert into DoctorTable values(" + DocId.Text + ",'"
+ DocName.Text + "'," + DocExp.Text + ",'" + DocPass.Text + "')";
                SqlCommand cmd = new SqlCommand(query, con);
                cmd.ExecuteNonQuery();
                MessageBox.Show("Doctor info successfully added");
                con.Close();
                populate();
            }

        }

        private void DoctorForm_Load(object sender, EventArgs e)
        {
            populate();
        }

        private void button3_Click(object sender, EventArgs e)
        {
            if(DocId.Text == "")
            {
                MessageBox.Show("Enter the Doctor's ID");
```

```csharp
        }
        else
        {
            con.Open();
            string query = "delete from DoctorTable where DocId =" +
DocId.Text + "";
            SqlCommand cmd = new SqlCommand(query, con);
            cmd.ExecuteNonQuery();
            MessageBox.Show("Doctor Successfully deleted");
            con.Close();
            populate();
        }
    }

    private void DocGV_CellContentClick(object sender,
DataGridViewCellEventArgs e)
    {
        DocId.Text = DocGV.SelectedRows[0].Cells[0].Value.ToString();
        DocName.Text = DocGV.SelectedRows[0].Cells[1].Value.ToString();
        DocExp.Text = DocGV.SelectedRows[0].Cells[2].Value.ToString();
        DocPass.Text = DocGV.SelectedRows[0].Cells[3].Value.ToString();
    }

    private void button2_Click(object sender, EventArgs e)
    {
        con.Open();
        string query = "update DoctorTable set DocName = '" +
DocName.Text + "', DocExp = '" + DocExp.Text + "', DocPass = '" +
DocPass.Text + "',DocId = '" + DocId.Text + "' ";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.ExecuteNonQuery();
        MessageBox.Show("Doctor Info successfully updated");
        con.Close();
        populate();
    }
```

```
        }
}
```

DiagnosisForm.cs:-

CODE:-
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
using System.Security.Cryptography;

```csharp
namespace DAMS
{
    public partial class DiagnosisForm : Form
    {
        public DiagnosisForm()
        {
            InitializeComponent();
        }
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Prayagraj
\Documents\DAMSdb.mdf;Integrated Security=True;Connect Timeout=30");
        void populatecombo()
        {
            string sql = "select * from PatientTable";
            SqlCommand cmd = new SqlCommand(sql, con);
            SqlDataReader rdr;
            try
            {
                con.Open();
                DataTable dt = new DataTable();
                dt.Columns.Add("PatId");
                rdr= cmd.ExecuteReader();
                dt.Load(rdr);
                PatientIdCb.ValueMember = "PatId";
                PatientIdCb.DataSource = dt;
                con.Close();
            }
            catch (Exception ex)
            {

            }
        }
        string patname;
        void fetchPatientName()
```

```
    {
        con.Open();
        string mysql = "select * from PatientTable where PatId = " +
PatientIdCb.SelectedValue.ToString() + "";
        SqlCommand cmd = new SqlCommand(mysql, con);
        DataTable dt = new DataTable();
        SqlDataAdapter da = new SqlDataAdapter(cmd);
        da.Fill(dt);
        foreach (DataRow dr in dt.Rows)
        {
            patname = dr["PatName"].ToString();
            PatientTb.Text = patname;
        }
        con.Close() ;
    }
    void populate()
    {
        con.Open();
        string query = "select * from DiagnosisTable";
        SqlDataAdapter da = new SqlDataAdapter(query, con);
        SqlCommandBuilder builder = new SqlCommandBuilder(da);
        var ds = new DataSet();
        da.Fill(ds);
        DiagnosisGV.DataSource = ds.Tables[0];
        con.Close();
    }
    private void button4_Click(object sender, EventArgs e)
    {
        Home h = new Home();
        h.Show();
        this.Hide();
    }

    private void button1_Click(object sender, EventArgs e)
    {
```

```csharp
        if (DiagId.Text == "" || MedicineTb.Text == "" || DiagnosisTb.Text ==
"" || PatientTb.Text == "" || SymptomsTb.Text == "" )
        {
            MessageBox.Show("Please fill values... No empty box is
allowed");
        }
        else
        {
            con.Open();
            string query = "insert into DiagnosisTable values(" + DiagId.Text +
"," + PatientIdCb.SelectedValue.ToString() + ",'" + PatientTb.Text + "','" +
SymptomsTb.Text + "', '" + DiagnosisTb.Text + "','" + MedicineTb.Text + "')";
            SqlCommand cmd = new SqlCommand(query, con);
            cmd.ExecuteNonQuery();
            MessageBox.Show("Diagnosis info successfully added");
            con.Close();
            populate();
        }
    }

    private void DiagnosisFormcs_Load(object sender, EventArgs e)
    {
        populatecombo();
        populate();
    }

    private void PatientIdCb_SelectionChangeCommitted(object sender,
EventArgs e)
    {
        fetchPatientName();
    }

    private void button3_Click(object sender, EventArgs e)
    {
        if (DiagId.Text == "")
```

```csharp
            {
                MessageBox.Show("Enter the Diagnosis ID");

            }
            else
            {
                con.Open();
                string query = "delete from DiagnosisTable where PatId =" +
DiagId.Text + "";
                SqlCommand cmd = new SqlCommand(query, con);
                cmd.ExecuteNonQuery();
                MessageBox.Show("Diagnosis Info Successfully deleted");
                con.Close();
                populate();
            }
        }

        private void DiagnosisGV_CellContentClick(object sender,
DataGridViewCellEventArgs e)
        {
            DiagId.Text =
DiagnosisGV.SelectedRows[0].Cells[0].Value.ToString();
            PatientIdCb.Text =
DiagnosisGV.SelectedRows[0].Cells[1].Value.ToString();
            PatientTb.Text =
DiagnosisGV.SelectedRows[0].Cells[2].Value.ToString();
            DiagnosisTb.Text =
DiagnosisGV.SelectedRows[0].Cells[3].Value.ToString();
            SymptomsTb.Text =
DiagnosisGV.SelectedRows[0].Cells[4].Value.ToString();
            MedicineTb.Text =
DiagnosisGV.SelectedRows[0].Cells[5].Value.ToString();
            PatientNamelbl.Text =
DiagnosisGV.SelectedRows[0].Cells[2].Value.ToString();
```

```csharp
        Diagnosislbl.Text =
DiagnosisGV.SelectedRows[0].Cells[3].Value.ToString();
        Symptomslbl.Text =
DiagnosisGV.SelectedRows[0].Cells[4].Value.ToString();
        Medicineslbl.Text =
DiagnosisGV.SelectedRows[0].Cells[5].Value.ToString();
    }

    private void button2_Click(object sender, EventArgs e)
    {
        con.Open();
        string query = "update DiagnosisTable set PatId = " +
PatientIdCb.SelectedValue.ToString() + ", PatName = '" + PatientTb.Text +
"', Symptoms = '" + SymptomsTb.Text + "',Diagnosis = '" +
DiagnosisTb.Text + "',Medicines = '" + MedicineTb.Text + "' where DiagId =
" + DiagId.Text + "";
        SqlCommand cmd = new SqlCommand(query, con);
        cmd.ExecuteNonQuery();
        MessageBox.Show("Diagnosis Info successfully updated");
        con.Close();
        populate();
    }
  }
}
```

DATABASE

DoctorTable:-

	DocId	DocName	DocExp	DocPass
▷	101	Kumar	10	12345
	102	Sachin	25	100100
	103	Virat	18	181920
✱	NULL	NULL	NULL	NULL