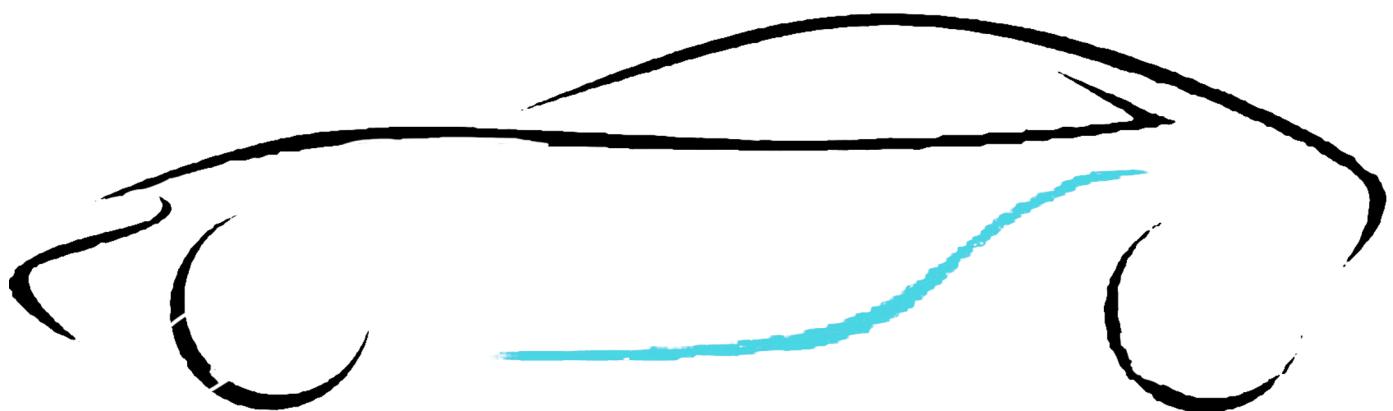


Car Rental Management System



Drive Me ! Rental

J.M.Shamal Lakshan Perera

3995

DITEC

Batch NO: 71/WEEKEND



This is a Software designed to help users to get into contact with vehicle renters, by helping the users to contact the original owners of cars directly.

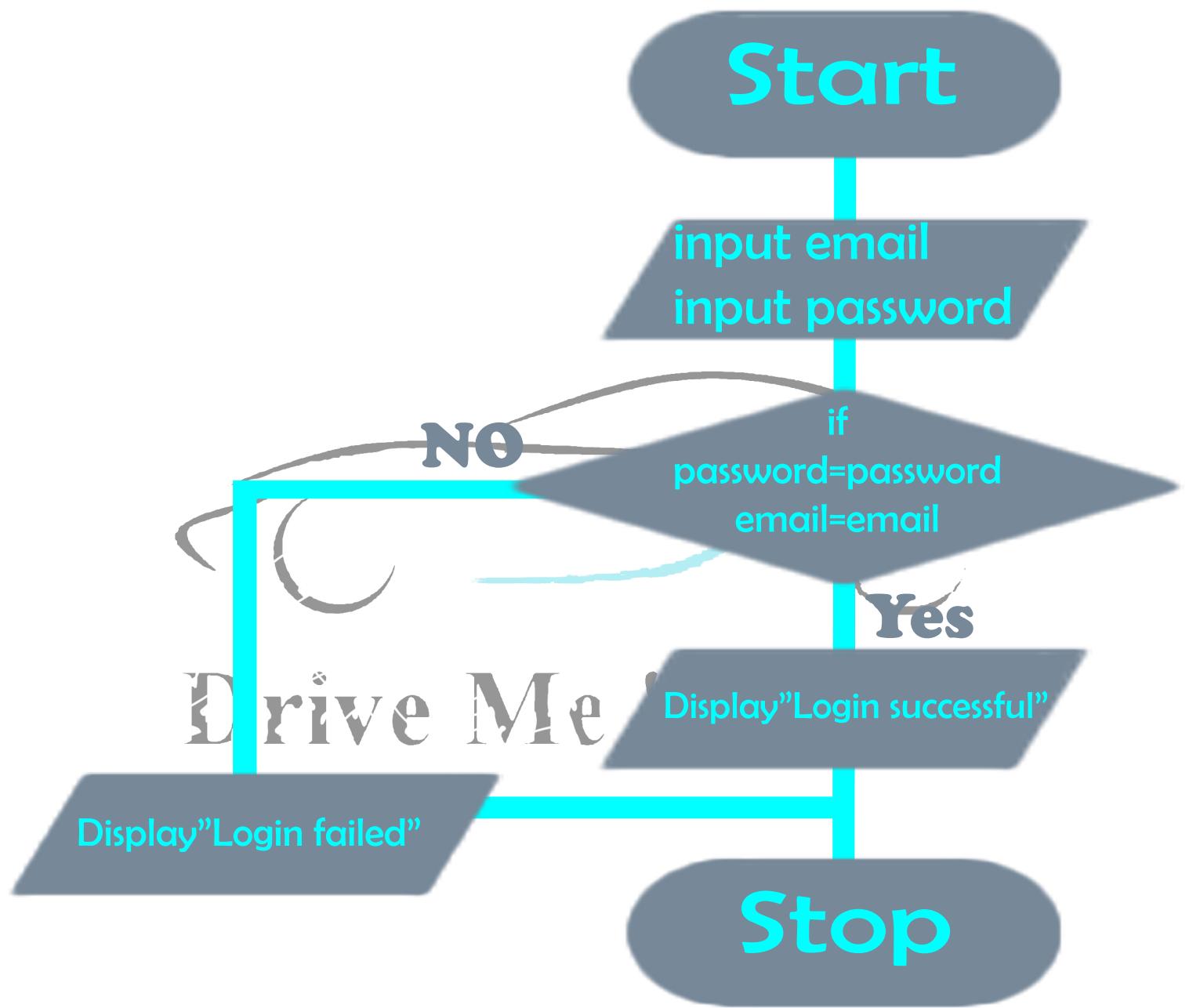


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Content

1. Flowchart
2. Pseudo code
3. Welcome page
4. Main functions
5. Find a car
6. Register a car
7. Find a user
8. Register a user ! Rental
9. Thanks

Flowchart



Pseudo code (Login)

Begin

username,password:string

input username,password

if(username=admin,

password=admin123)

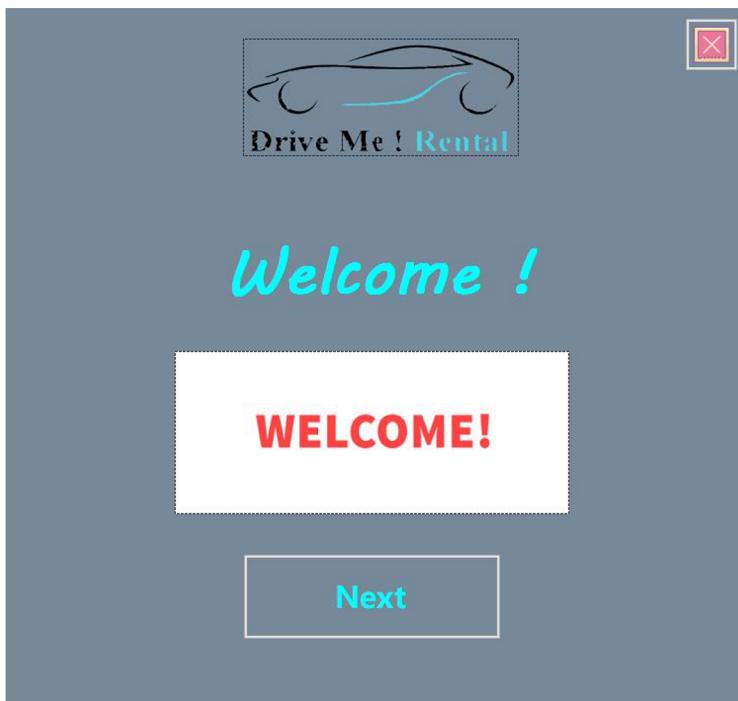
Then display “Login successful”

Else

Display “Login unsuccessful”

End

Welcome page



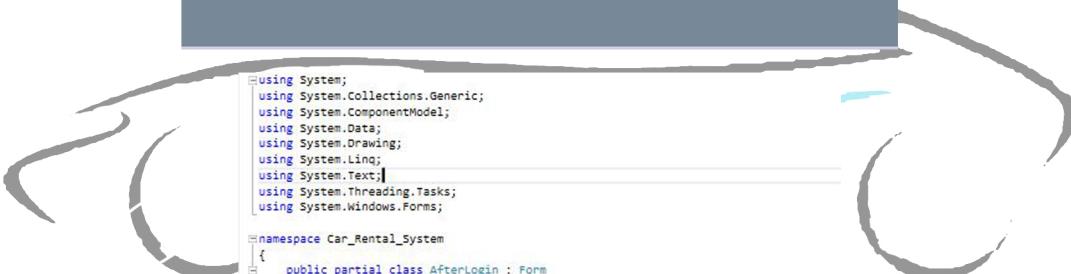
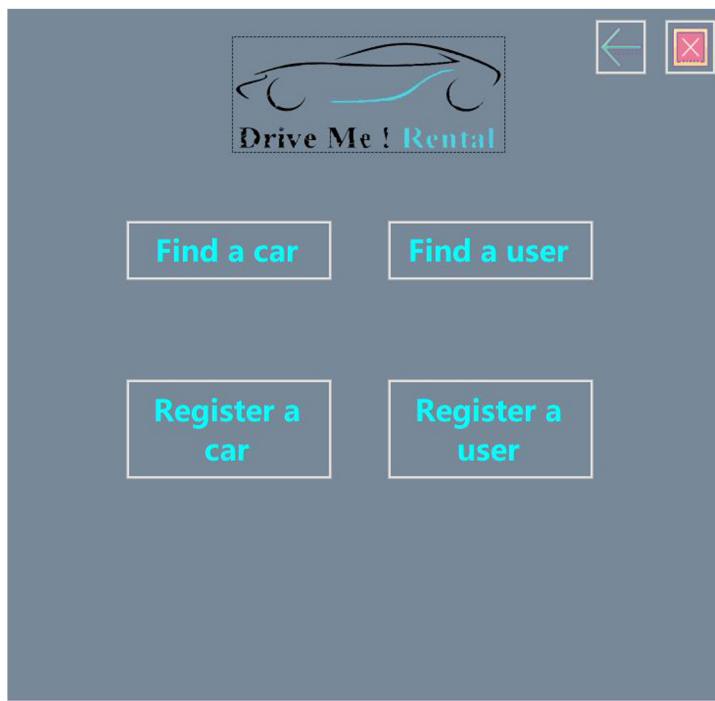
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace Car_Rental_System
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void btnexit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            AfterLogin afterlogin = new AfterLogin();
            afterlogin.Show();
            this.Hide();
        }
    }
}
```

Main functions



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```
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 Car_Rental_System
{
    public partial class AfterLogin : Form
    {
        public AfterLogin()
        {
            InitializeComponent();
        }

        private void btnexit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void btnback_Click(object sender, EventArgs e)
        {
            Form loginform = new Form();
            loginform.Show();
            this.Hide();
        }

        private void btnregistercar_Click(object sender, EventArgs e)
        {
            register_car registercar = new register_car();
            registercar.Show();
            this.Hide();
        }

        private void btnfindcar_Click(object sender, EventArgs e)
        {
            Findacar find_a_car = new Findacar();
            find_a_car.Show();
            this.Hide();
        }

        private void btnregisteruser_Click(object sender, EventArgs e)
        {
            register_user register_user = new registeruser();
            register_user.Show();
            this.Hide();
        }

        private void btnfinduser_Click(object sender, EventArgs e)
        {
            findauser find_a_user = new findauser();
            find_a_user.Show();
            this.Hide();
        }
    }
}
```

Find a car



```

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;
using System.Data.SqlClient;

namespace Car_Rental_System
{
    public partial class Findacar : Form
    {
        public Findacar()
        {
            InitializeComponent();
        }

        string connectionstring = @"Data Source=(LocalDB)\v11.0;AttachDbFilename=D:\Car Rental System\Car Rental System\Car Rental System\cardatabase.mdf;Integrated Security=True";

        private void btnback_Click(object sender, EventArgs e)
        {
            AfterLogin afterlogin = new AfterLogin();
            afterlogin.Show();
            this.Hide();
        }

        private void btnexit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void btnshowdgv_Click(object sender, EventArgs e)
        {
            using (SqlConnection sqlcon = new SqlConnection(connectionstring))
            {
                string query = "SELECT * FROM Car_data";
                SqlDataAdapter sda = new SqlDataAdapter(query, sqlcon);
                DataTable dt = new DataTable();
                sda.Fill(dt);
                dataGridView1.DataSource = dt;
                sqlcon.Close();
            }
        }
    }
}

```

Register a car

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Brand _____

Address _____

Telephone No _____

Email _____

Condition New/Used

Colour _____

Register

```

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;
using System.Data.SqlClient;

namespace Car_Rental_System
{
    public partial class register_car : Form
    {
        public register_car()
        {
            InitializeComponent();
        }

        SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\v11.0;AttachDbFilename=O:\Car Rental System\Car Rental System\Car Rental System\cardatabase.mdf;Integrated Security=True");

        private void btnexit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void btnback_Click(object sender, EventArgs e)
        {
            AfterLogin afterlogin = new AfterLogin();
            afterlogin.Show();
            this.Hide();
        }

        private void btnregister_Click(object sender, EventArgs e)
        {
            try
            {
                string Brand = txtbrand.Text;
                string Address = txtaddress.Text;
                string Telephone_No = txttelephono.Text;
                string Email = txtmail.Text;
                string Condition = txtcondition.Text;
                string Colour = txtcolour.Text;

                string query_insert = "insert into Car_data values('"+Brand+"','"+Address+"','"+Telephone_No+"','"+Email+"','"+Condition+"','"+Colour+"')";

                SqlCommand cmd = new SqlCommand(query_insert, con);

                con.Open();
                cmd.ExecuteNonQuery();

                MessageBox.Show("Registration Complete !");
                //Clearing textboxes
                txtbrand.Clear();
                txtaddress.Clear();
                txttelephono.Clear();
                txtmail.Clear();
                txtcondition.Clear();
                txtcolour.Clear();
            }
            catch(Exception ex)
            {
                MessageBox.Show("Registration Failed !" + ex);
            }
            finally
            {
                con.Close();
            }
        }
    }
}

private void txtcondition_MouseClick(object sender, MouseEventArgs e)
{
    if (txtcondition.Text == "New/Used")
    {
        txtcondition.Clear();
    }
}

```

Find a user



```
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;
using System.Data.SqlClient;

namespace Car_Rental_System
{
    public partial class findauser : Form
    {
        public findauser()
        {
            InitializeComponent();
        }
        string connectionstring2 = @"Data Source=(LocalDB)\v11.0;AttachDbFilename=D:\Car Rental System\Car Rental System\Car Rental System\userdatabase.mdf;Integrated Security=True";

        private void btnback_Click(object sender, EventArgs e)
        {
            AfterLogin afterlogin = new AfterLogin();
            afterlogin.Show();
            this.Hide();
        }

        private void btnexit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void btnshowgv2_Click(object sender, EventArgs e)
        {
            using (SqlConnection sqlcon2 = new SqlConnection(connectionstring2))
            {
                string query2 = "SELECT * FROM Users";
                SqlDataAdapter sda2 = new SqlDataAdapter(query2, sqlcon2);
                DataTable dt2 = new DataTable();
                sda2.Fill(dt2);
                dataGridView2.DataSource = dt2;
                sqlcon2.Close();
            }
        }
    }
}
```

Register a user



```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace Car_Rental_System
{
    public partial class registeruser : Form
    {
        public registeruser()
        {
            InitializeComponent();
        }
        SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\v11.0;AttachDbFilename=O:\Car Rental System\Car Rental System\Car Rental System\userdatabase.mdf;Integrated Security=True");
        private void btnclose_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void btnback_Click(object sender, EventArgs e)
        {
            AfterLogin afterlogin = new AfterLogin();
            afterlogin.Show();
            this.Hide();
        }

        private void txtgender2_MouseClick(object sender, MouseEventArgs e)
        {
            if (txtgender2.Text == "Male/Female")
            {
                txtgender2.Clear();
            }
        }

        private void btnregister_Click(object sender, EventArgs e)
        {
            try
            {
                string Name2 = txtname2.Text;
                string Address2 = txtaddress2.Text;
                string Telephone_No2 = txttelephoneNo2.Text;
                string Email2 = txtEmail2.Text;
                string Gender2 = txtgender2.Text;
                string ID_No2 = txtidno2.Text;

                string insert = "INSERT INTO Users values('" + Name2 + "','" + Address2 + "','" + Telephone_No2 + "','" + Email2 + "','" + Gender2 + "','" + ID_No2 + "')";

                SqlCommand command = new SqlCommand(insert, connection);

                connection.Open();
                command.ExecuteNonQuery();

                MessageBox.Show("Registration Complete !");
                //Cleaning textboxes
                txtname2.Clear();
                txtaddress2.Clear();
                txttelephoneNo2.Clear();
                txtEmail2.Clear();
                txtgender2.Clear();
                txtidno2.Clear();
            }
            catch (Exception ex)
            {
                MessageBox.Show("Registration Failed !" + ex);
            }
            finally
            {
                connection.Close();
            }
        }
    }
}
```

10

Thanks

**Thank you for everyone
who helped me in this project**

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