**CHAPTER 6**

**IMPLEMENTATION AND RESULT**

**6.1 Implementation**

**1. System Architecture**

* **Frontend:** Utilize C#.NET with either Windows Forms or WPF to create a user-friendly, responsive graphical interface.
* **Backend:** Use C#.NET for business logic to separate concerns between the UI and data handling.
* **Database:** Implement SQL Server to ensure robust data storage, efficient queries, and management.

**2. Database Design**

Design a relational database structure to handle key fleet operations, including driver details, vehicle assignments, and trip records.

**Key Tables:**

* **Users**: Store user credentials and role information (Admin/Driver).
* **Drivers**: Maintain driver profiles and status.
* **Vehicles**: Track the status and details of each vehicle.
* **Trips**: Log assigned trips with timestamps, fares, and completion status.

**3. User Authentication**

* Implement a login system with username and password fields.
* Use **s**ecure password hashing techniques, such as SHA-256, to protect credentials.
* Verify user credentials against the database and grant role-based access accordingly.

**4.Role-Based Access Control**

Define user roles with specific access privileges:

* **Admin**:
  + Manage driver and vehicle records.
  + Assign and monitor trips.
  + View fare summaries and operational reports.
* **Driver**:
  + View assigned trips.
  + Update trip status (e.g., In Progress, Completed).
  + Receive trip notifications and updates via the dashboard.

**5. Trip and Vehicle Management**

Design functionalities to handle trip creation, vehicle assignment, and fare management:

* **Trip Assignment**: Admins assign available vehicles to drivers.
* **Vehicle Status**: Mark vehicles as "In Service" or "Available" based on assignments.
* **Trip Closure**: Drivers update trip status upon completion.

**6. Data Security**

* Encrypt sensitive information, such as user passwords, using AES encryption.
* Use SHA-256 hashing for login passwords to prevent tampering or unauthorized access.
* Secure database access by using parameterized queries to prevent SQL injection attacks.

**7. User Interface Design**

* **Admin Dashboard**:
  + Manage drivers, vehicles, and trips.
  + View performance metrics and reports.
* **Driver Dashboard**:
  + Display assigned trips and allow trip status updates.
  + Notifications and trip reminders are accessible from the dashboard.
* **Forms and Navigation**:
  + Use clear labels and easy-to-navigate forms for all user interactions (e.g., login, trip assignment, vehicle updates).

**8. Testing and Quality Assurance**

* **Unit Testing**: Verify individual functions, such as trip assignment and login authentication.
* **Integration Testing**: Ensure different modules work together seamlessly (e.g., Admin assigning trips, Drivers updating status).
* **User Acceptance Testing**: Test the entire flow to ensure it meets user expectations.
* Ensure compliance with security standards (e.g., encryption and secure authentication).

**9. Deployment**

* Prepare the production environment by mirroring the development setup to minimize deployment issues.
* Configure SQL Server to ensure proper databasesecurity (e.g., access control, backups).
* Install the Fleet Management System on designated Admin and Driver systems.

**10. Documentation**

* Develop user manuals to outline system functionalities, including:
  + Login and account management.
  + Trip assignment and closure procedures.
* Provide technical documentation for developers detailing:
  + System architecture and database schema.
  + Code structure and module descriptions to facilitate future maintenance.

**6.2 RESULT**

**6.2.1 SOURCE CODE**

**Login 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;

using System.Data.SqlClient;

namespace fleetmanagementsystem

{

public partial class login : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public login()

{

InitializeComponent();

}

protected override CreateParams CreateParams

{

get

{

CreateParams handleParam = base.CreateParams;

handleParam.ExStyle |= 0x02000000; // WS\_EX\_COMPOSITED

return handleParam;

}

}

private void login\_Load(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

string query = "Select \* from logindetails where username='" + textBox1.Text + "' and password='" + textBox2.Text + "'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

string utype = dr[2].ToString();

if (utype == "owner")

{

Program.username = dr[0].ToString();

ownerlogin obj = new ownerlogin(dr[0].ToString());

dr.Close();

ActiveForm.Hide();

obj.Show();

}

else if (utype == "driver")

{

Program.username = dr[0].ToString();

dr.Close();

string query1 = "Select \* from driverdetails where name='" + textBox1.Text + "'";

SqlCommand cmd1 = new SqlCommand(query1, con);

SqlDataReader dr1 = cmd1.ExecuteReader();

if (dr1.Read())

{

Program.did = dr1[0].ToString();

Program.dname = dr1[1].ToString();

driverlogin obj1 = new driverlogin(dr1[1].ToString());

ActiveForm.Hide();

obj1.Show();

}

}

else

{

MessageBox.Show("Incorrect username or password ");

textBox1.Text = "";

textBox2.Text = "";

}

con.Close();

}

else

{

con.Close();

}

}

private void button2\_Click(object sender, EventArgs e)

{

Application.Exit();

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

}

}

}

**Owner login 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;

using System.Data.SqlClient;

namespace fleetmanagementsystem

{

public partial class ownerlogin : Form

{

public ownerlogin(string username\_from\_login)

{

InitializeComponent();

greeting();

}

public void greeting()

{

int hour = DateTime.Now.Hour;

// Determine greeting based on the hour

if (hour >= 0 && hour < 12)

{

label1.Text="Good Morning "+Program.username ;

}

else if (hour >= 12 && hour < 17)

{

label1.Text = "Good Afternoon " + Program.username;

}

else

{

label1.Text = "Good Evening " + Program.username;

}

}

private void ownerlogin\_Load(object sender, EventArgs e)

{

}

private void toolStripButton1\_Click(object sender, EventArgs e)

{

driverregistration obj = new driverregistration();

obj.Show();

}

private void toolStripButton2\_Click(object sender, EventArgs e)

{

driverdetailsview obj = new driverdetailsview();

obj.Show();

}

private void toolStripButton6\_Click(object sender, EventArgs e)

{

addvehicles obj = new addvehicles();

obj.Show();

}

private void toolStripButton3\_Click(object sender, EventArgs e)

{

updatedetails obj = new updatedetails();

obj.Show();

}

private void toolStripButton5\_Click(object sender, EventArgs e)

{

assign\_vechicles obj = new assign\_vechicles();

obj.Show();

}

private void label1\_Click(object sender, EventArgs e)

{

}

private void panel1\_Paint(object sender, PaintEventArgs e)

{

}

private void toolStrip1\_ItemClicked(object sender, ToolStripItemClickedEventArgs e)

{

}

private void toolStripButton4\_Click(object sender, EventArgs e)

{

}

private void toolStripButton4\_Click\_1(object sender, EventArgs e)

{

Application.Exit();

}

private void toolStripButton7\_Click(object sender, EventArgs e)

{

ownerpasswordchange obj = new ownerpasswordchange();

obj.Show();

}

private void toolStripButton8\_Click(object sender, EventArgs e)

{

}

private void toolStripButton8\_Click\_1(object sender, EventArgs e)

{

OwnerViewTrips obj = new OwnerViewTrips();

obj.Show();

}

}

}

**Driver Registration Form:**

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;

using System.IO;

namespace fleetmanagementsystem

{

public partial class driverregistration : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public driverregistration()

{

InitializeComponent();

gettid();

}

public void gettid()

{

con.Open();

string query = "select isnull(MAX(did),10100)+1 from driverdetails";

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

textBox1.Text = dr[0].ToString();

}

con.Close();

}

private void driverregistration\_Load(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

if (textBox1.Text == "" || textBox2.Text == "" || textBox3.Text == "" || textBox4.Text == "" || textBox5.Text == "" || textBox7.Text == "" || comboBox1.Text == "")

{

MessageBox.Show("Fill");

return;

}

string shin1 = "select \* from logindetails where username='" + textBox2.Text + "'";

SqlCommand cmd2 = new SqlCommand(shin1, con);

con.Open();

SqlDataReader shin = cmd2.ExecuteReader();

if (shin.Read())

{

MessageBox.Show("username already exist");

return;

}

con.Close();

string extension = Path.GetExtension(textBox6.Text);

string filename = textBox1.Text + extension;

string actualpath = Application.StartupPath + "\\driverpics\\" + filename;

string virtualpath = "\\driverpics\\" + filename;

File.Copy(textBox6.Text,actualpath, overwrite: true);

string q1 = "insert into driverdetails values('" + textBox1.Text + "','" + textBox2.Text + "','" + textBox3.Text + "','" + textBox4.Text + "','" + textBox5.Text + "','" + comboBox1.Text + "','"+virtualpath+"')";

SqlCommand cmd = new SqlCommand(q1, con);

con.Open();

cmd.ExecuteNonQuery();

con.Close();

string usertype = "driver";

string q2 = "insert into logindetails values('" + textBox2.Text + "','" + textBox7.Text + "','" + usertype + "')";

SqlCommand cmd1 = new SqlCommand(q2, con);

con.Open();

if (cmd1.ExecuteNonQuery() > 0)

{

MessageBox.Show("Driver Created successfully");

textBox1.Text = (Convert.ToInt32(textBox1.Text) + 1).ToString();

textBox5.Text = "";

textBox4.Text = "";

textBox2.Text = "";

textBox3.Text = "";

textBox7.Text = "";

comboBox1.Text = "";

}

con.Close();

this.Close();

}

private void label1\_Click(object sender, EventArgs e)

{

}

private void button2\_Click(object sender, EventArgs e)

{

using (OpenFileDialog openFileDialog = new OpenFileDialog())

{

openFileDialog.Title = "Select an Image File";

openFileDialog.Filter = "Image Files|\*.jpg;\*.jpeg;\*.png;\*.bmp;\*.gif|All Files|\*.\*";

// Show the dialog and check if the user clicked OK

if (openFileDialog.ShowDialog() == DialogResult.OK)

{

textBox6.Text = openFileDialog.FileName;

pictureBox1.ImageLocation = openFileDialog.FileName;

}

}

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

}

private void pictureBox2\_Click(object sender, EventArgs e)

{

this.Close();

}

}

}

**Vechicle Registration Form:**

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;

using System.IO;

namespace fleetmanagementsystem

{

public partial class addvehicles : Form

{

private Dictionary<string, List<string>> vehicleModels = new Dictionary<string, List<string>>();

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public addvehicles()

{

InitializeComponent();

comboBox1.Items.Add("Light-Duty");

comboBox1.Items.Add("Medium-Duty");

comboBox1.Items.Add("Medium-Duty");

comboBox1.Items.Add("Heavy-Duty");

comboBox1.Items.Add("Service Vehicles");

// Add sub-items for each vehicle type to the dictionary

vehicleModels.Add("Light-Duty", new List<string> { "Ford Transit", "Mercedes-Benz Sprinter", "Ram ProMaster" });

vehicleModels.Add("Medium-Duty", new List<string> { "Isuzu N-Series", "Hino 195", "Freightliner M2 106" });

vehicleModels.Add("Heavy-Duty", new List<string> { "Freightliner Cascadia", "Volvo VNL", "Kenworth T680" });

vehicleModels.Add("Service Vehicles", new List<string> { "Ford F-550", "Chevrolet Silverado 3500HD", "Ram 5500" });

gettid();

}

public void gettid()

{

con.Open();

string query = "select isnull(MAX(vid),30100)+1 from vehiclesdetails";

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

textBox1.Text = dr[0].ToString();

}

con.Close();

}

private void button1\_Click(object sender, EventArgs e)

{

string extension = Path.GetExtension(textBox6.Text);

string filename = textBox1.Text + extension;

string actualpath = Application.StartupPath + "\\vehiclepicss\\" + filename;

string virtualpath = "\\vehiclepicss\\" + filename;

File.Copy(textBox6.Text, actualpath, overwrite: true);

if (textBox1.Text == "" || textBox2.Text == "" || comboBox1.Text == "" || comboBox2.Text == "")

{

MessageBox.Show("Fill");

return;

}

string q1 = "insert into vehiclesdetails values('" + textBox1.Text + "','" + comboBox1.Text + "','" + comboBox2.Text + "','" + textBox2.Text + "','"+virtualpath+"')";

SqlCommand cmd = new SqlCommand(q1, con);

con.Open();

if (cmd.ExecuteNonQuery() > 0)

{

MessageBox.Show("Vechicle Added successfully");

textBox1.Text = (Convert.ToInt32(textBox1.Text) + 1).ToString();

comboBox2.Text = "";

textBox2.Text = "";

comboBox1.Text = "";

}

con.Close();

this.Close();

}

private void comboBox2\_SelectedIndexChanged(object sender, EventArgs e)

{

}

private void comboBox1\_SelectedIndexChanged(object sender, EventArgs e)

{

comboBox2.Items.Clear();

// Get selected item from ComboBox1

string selectedVehicleType = comboBox1.SelectedItem.ToString();

// Populate ComboBox2 with the corresponding sub-items

if (vehicleModels.ContainsKey(selectedVehicleType))

{

comboBox2.Items.AddRange(vehicleModels[selectedVehicleType].ToArray());

}

// Optionally, select the first item in ComboBox2 automatically

if (comboBox2.Items.Count > 0)

{

comboBox2.SelectedIndex = 0;

}

}

private void label5\_Click(object sender, EventArgs e)

{

}

private void label1\_Click(object sender, EventArgs e)

{

}

private void label2\_Click(object sender, EventArgs e)

{

}

private void label4\_Click(object sender, EventArgs e)

{

}

private void label3\_Click(object sender, EventArgs e)

{

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

}

private void textBox2\_TextChanged(object sender, EventArgs e)

{

}

private void comboBox3\_SelectedIndexChanged(object sender, EventArgs e)

{

}

private void button2\_Click(object sender, EventArgs e)

{

using (OpenFileDialog openFileDialog = new OpenFileDialog())

{

openFileDialog.Title = "Select an Image File";

openFileDialog.Filter = "Image Files|\*.jpg;\*.jpeg;\*.png;\*.bmp;\*.gif|All Files|\*.\*";

// Show the dialog and check if the user clicked OK

if (openFileDialog.ShowDialog() == DialogResult.OK)

{

textBox6.Text = openFileDialog.FileName;

pictureBox1.ImageLocation = openFileDialog.FileName;

}

}

}

private void addvehicles\_Load(object sender, EventArgs e)

{

}

}

}

**Assign Vechicles Form:**

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;

using System.IO;

namespace fleetmanagementsystem

{

public partial class assign\_vechicles : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public assign\_vechicles()

{

InitializeComponent();

fillcombo1();

fillcombo();

}

public void fillcombo()

{

string query = "Select did from driverdetails";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

comboBox1.Items.Add(dr[0].ToString());

}

con.Close();

}

private void assign\_vechicles\_Load(object sender, EventArgs e)

{

}

public void fillcombo1()

{

string query = "Select vid from vehiclesdetails";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

comboBox2.Items.Add(dr[0].ToString());

}

con.Close();

}

private void comboBox1\_SelectedIndexChanged(object sender, EventArgs e)

{

string query = "Select \* from driverdetails where did='" + comboBox1.Text + "'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

textBox1.Text = dr[1].ToString();

pictureBox1.Image = Image.FromFile("E:/fleet project/fleetmanagementsystem/bin/Debug" + dr[6].ToString());

}

con.Close();

}

private void comboBox2\_SelectedIndexChanged(object sender, EventArgs e)

{

string query = "Select \* from vehiclesdetails where vid='" + comboBox2.Text + "'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

textBox3.Text = dr[3].ToString();

pictureBox2.Image = Image.FromFile("E:/fleet project/fleetmanagementsystem/bin/Debug" + dr[4].ToString());

}

con.Close();

}

private void textBox3\_TextChanged(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

if (textBox1.Text == "" || textBox3.Text == "" || comboBox1.Text == "" || comboBox2.Text == "" )

{

MessageBox.Show("Fill");

return;

}

string q1 = "insert into assignvechicle values('" + comboBox1.Text + "','" + textBox1.Text + "','" + comboBox2.Text + "','" + textBox3.Text + "')";

SqlCommand cmd = new SqlCommand(q1, con);

con.Open();

if (cmd.ExecuteNonQuery() > 0)

{

MessageBox.Show(" Vehicle Assigned Successfully");

textBox1.Text = "";

textBox3.Text = "";

comboBox1.Text = "";

comboBox2.Text = "";

}

con.Close();

}

private void label4\_Click(object sender, EventArgs e)

{

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

}

}

}

**View Details Form:**

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;

using System.IO;

namespace fleetmanagementsystem

{

public partial class driverdetailsview : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public driverdetailsview()

{

InitializeComponent();

fillgrid();

fillgrid1();

fillgrid2();

fillgrid3();

LoadImagesFromFolder(Application.StartupPath + "\\vehiclepicss");

LoadImagesFromFolder2(Application.StartupPath + "\\driverpics");

}

public void fillgrid()

{

con.Open();

string str = "select \* from driverdetails";

DataSet ds = new DataSet();

SqlDataAdapter sqlda = new SqlDataAdapter(str, con);

sqlda.Fill(ds);

dataGridView1.DataSource = ds.Tables[0].DefaultView;

con.Close();

}

public void fillgrid3()

{

}

private void LoadImagesFromFolder(string folderPath)

{

// Clear existing images

imageList1.Images.Clear();

listView1.Items.Clear();

// Get all image files in the specified folder

string[] imageFiles = Directory.GetFiles(folderPath, "\*.\*")

.Where(f => f.EndsWith(".jpg", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".jpeg", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".png", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".bmp", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".jfif", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".gif", StringComparison.OrdinalIgnoreCase))

.ToArray();

foreach (string file in imageFiles)

{

try

{

// Load the image and add it to the ImageList

Image img = Image.FromFile(file);

imageList1.Images.Add(img);

// Add an item to the ListView

ListViewItem item = new ListViewItem

{

ImageIndex = imageList1.Images.Count - 1, // Set

Text = Path.GetFileNameWithoutExtension(file) // Display the file name

};

listView1.Items.Add(item);

}

catch (Exception )

{

}

}

// Set the ImageList for the ListView

listView1.LargeImageList = imageList1;

}

private void LoadImagesFromFolder2(string folderPath)

{

// Clear existing images

imageList2.Images.Clear();

listView2.Items.Clear();

// Get all image files in the specified folder

string[] imageFiles = Directory.GetFiles(folderPath, "\*.\*")

.Where(f => f.EndsWith(".jpg", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".jpeg", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".png", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".bmp", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".jfif", StringComparison.OrdinalIgnoreCase) ||

f.EndsWith(".gif", StringComparison.OrdinalIgnoreCase))

.ToArray();

foreach (string file in imageFiles)

{

try

{

// Load the image and add it to the ImageList

Image img = Image.FromFile(file);

imageList2.Images.Add(img);

// Add an item to the ListView

ListViewItem item = new ListViewItem

{

ImageIndex = imageList2.Images.Count - 1, // Set the image index

Text = Path.GetFileNameWithoutExtension(file) // Display the file name

};

listView2.Items.Add(item);

}

catch (Exception )

{

}

}

// Set the ImageList for the ListView

listView2.LargeImageList = imageList2;

}

public void fillgrid1()

{

con.Open();

string str = "select \* from vehiclesdetails";

DataSet ds = new DataSet();

SqlDataAdapter sqlda = new SqlDataAdapter(str, con);

sqlda.Fill(ds);

dataGridView2.DataSource = ds.Tables[0].DefaultView;

con.Close();

}

public void fillgrid2()

{

con.Open();

string str = "select \* from assignvechicle";

DataSet ds = new DataSet();

SqlDataAdapter sqlda = new SqlDataAdapter(str, con);

sqlda.Fill(ds);

dataGridView3.DataSource = ds.Tables[0].DefaultView;

con.Close();

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

private void dataGridView1\_CellContentClick\_1(object sender, DataGridViewCellEventArgs e)

{

}

private void tabPage2\_Click(object sender, EventArgs e)

{

}

private void dataGridView2\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

private void tabPage3\_Click(object sender, EventArgs e)

{

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

this.Close();

}

private void dataGridView4\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

private void tabControl1\_SelectedIndexChanged(object sender, EventArgs e)

{

}

private void dataGridView1\_CellContentClick\_2(object sender, DataGridViewCellEventArgs e)

{

}

private void listView2\_SelectedIndexChanged(object sender, EventArgs e)

{

if (listView2.SelectedItems.Count > 0)

{

// Get the selected item

ListViewItem selectedItem = listView2.SelectedItems[0];

// Get the text of the selected item

string selectedText = selectedItem.Text;

persondeatilsdriver obj = new persondeatilsdriver(selectedText);

ActiveForm.Hide();

obj.Show();

}

}

private void driverdetailsview\_Load(object sender, EventArgs e)

{

}

}

}

**View Trip Form:**

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;

using System.Windows.Forms.DataVisualization.Charting;

namespace fleetmanagementsystem

{

public partial class OwnerViewTrips : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public OwnerViewTrips()

{

InitializeComponent();

filltotal();

fillactive();

fillclosed();

fillgrid1();

fillgrid2();

fillrevenue();

fillgraph1();

}

public void filltotal()

{

string query = "Select count(tid) from tripdetails";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

label4.Text=dr[0].ToString();

}

con.Close();

}

public void fillgraph1()

{

string query = "SELECT did, SUM(Fare) AS TotalFare FROM tripdetails GROUP BY did";

con.Open();

DataTable dataTable = new DataTable();

SqlDataAdapter adapter = new SqlDataAdapter(query, con);

adapter.Fill(dataTable);

// Plot the data

PlotBarGraph1(dataTable);

con.Close();

}

private void PlotBarGraph1(DataTable dataTable)

{

// Create a new chart

// Create a series and add data points

Series series = new Series

{

Name = "Fare",

};

chart1.Series.Add(series);

// Add data points from DataTable

foreach (DataRow row in dataTable.Rows)

{

string driverId = row["did"].ToString();

decimal totalFare = Convert.ToDecimal(row["TotalFare"]);

series.Points.AddXY(driverId, totalFare);

}

// Add the chart to the form

}

public void fillactive()

{

string query = "Select count(tid) from tripdetails where status='active'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

label5.Text = dr[0].ToString();

}

con.Close();

}

public void fillrevenue()

{

string query = "Select sum(fare) from tripdetails where status='close'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

label8.Text = dr[0].ToString();

}

con.Close();

}

public void fillclosed()

{

string query = "Select count(tid) from tripdetails where status='close'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

label6.Text = dr[0].ToString();

}

con.Close();

}

public void fillgrid1()

{

con.Open();

string query = "Select \* from tripdetails where status='active'";

DataSet ds = new DataSet();

SqlDataAdapter sqlda = new SqlDataAdapter(query, con);

sqlda.Fill(ds);

dataGridView1.DataSource = ds.Tables[0].DefaultView;

con.Close();

}

public void fillgrid2()

{

con.Open();

string query = "Select \* from tripdetails where status='close'";

DataSet ds = new DataSet();

SqlDataAdapter sqlda = new SqlDataAdapter(query, con);

sqlda.Fill(ds);

dataGridView2.DataSource = ds.Tables[0].DefaultView;

con.Close();

}

private void OwnerViewTrips\_Load(object sender, EventArgs e)

{

}

}

}

**Owner Password Change Form:**

using System;

using System.Data.SqlClient;

using System.Windows.Forms;

namespace fleetmanagementsystem

{

public partial class ownerpasswordchange : Form

{

// Establish a connection to the database

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true;");

// Assuming this is the driver ID (for example, you may retrieve this from the session)

private string driverId = Program.username; // Replace with actual logic to get the logged-in driver ID

public ownerpasswordchange()

{

InitializeComponent();

}

private void driverpasswordchange\_Load(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

// Step 1: Validate user input

if (textBox1.Text == "" || textBox2.Text == "" || textBox3.Text == "")

{

MessageBox.Show("Please fill in all fields.");

return;

}

string oldPassword = textBox1.Text; // Old password

string newPassword = textBox2.Text; // New password

string confirmPassword = textBox3.Text; // Confirm new password

// Step 2: Check if new password and confirm password match

if (newPassword != confirmPassword)

{

MessageBox.Show("New password and confirm password do not match!");

return;

}

try

{

// Step 3: Open the database connection

con.Open();

// Step 4: Retrieve the current (old) password from the logindetails table for the logged-in driver

string selectQuery = "SELECT Password FROM logindetails WHERE username = @DriverId";

SqlCommand selectCmd = new SqlCommand(selectQuery, con);

selectCmd.Parameters.AddWithValue("@DriverId", driverId);

object result = selectCmd.ExecuteScalar();

if (result != null)

{

string storedPassword = result.ToString();

// Step 5: Check if the old password entered by the user matches the stored password

if (storedPassword == oldPassword)

{

// Step 6: If old password is correct, update the password in the logindetails table

string updateQuery = "UPDATE logindetails SET Password = @NewPassword WHERE username= @DriverId";

SqlCommand updateCmd = new SqlCommand(updateQuery, con);

updateCmd.Parameters.AddWithValue("@NewPassword", newPassword);

updateCmd.Parameters.AddWithValue("@DriverId", driverId);

int rowsAffected = updateCmd.ExecuteNonQuery();

if (rowsAffected > 0)

{

MessageBox.Show("Password changed successfully!");

}

else

{

MessageBox.Show("Password Change Failed.");

}

}

else

{

MessageBox.Show("Old Password is Incorrect.");

}

}

else

{

MessageBox.Show("Driver Not Found.");

}

}

catch (Exception ex)

{

MessageBox.Show("Error:" + ex.InnerException.ToString());

}

finally

{

// Step 7: Close the connection

if (con.State == System.Data.ConnectionState.Open)

{

con.Close();

}

}

}

// Other event handlers (if needed)

private void label2\_Click(object sender, EventArgs e) { }

private void textBox1\_TextChanged(object sender, EventArgs e) { }

private void textBox2\_TextChanged(object sender, EventArgs e) { }

private void label1\_Click(object sender, EventArgs e) { }

private void label3\_Click(object sender, EventArgs e) { }

private void textBox3\_TextChanged(object sender, EventArgs e) { }

private void driverpasswordchange\_Load\_1(object sender, EventArgs e)

{

}

}

}

**Driver Login Form:**

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 fleetmanagementsystem

{

public partial class driverlogin : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public driverlogin(string username\_from\_login)

{

InitializeComponent();

greeting();

fillcontent( Program.did );

}

public void fillcontent(string id)

{

string query = "Select \* from driverdetails where did='" + id + "'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

pictureBox1.ImageLocation = Application.StartupPath + dr[6].ToString();

}

con.Close();

}

public void greeting()

{

int hour = DateTime.Now.Hour;

// Determine greeting based on the hour

if (hour >= 0 && hour < 12)

{

label3.Text = "Good Morning " + Program.dname;

}

else if (hour >= 12 && hour < 17)

{

label3.Text = "Good Afternoon " + Program.dname;

}

else

{

label3.Text = "Good Evening " + Program.dname;

}

}

private void label1\_Click(object sender, EventArgs e)

{

driverpasswordchange obj = new driverpasswordchange();

obj.Show();

}

private void label2\_Click(object sender, EventArgs e)

{

tripdetails obj = new tripdetails();

obj.Show();

}

private void panel1\_Paint(object sender, PaintEventArgs e)

{

}

private void label3\_Click(object sender, EventArgs e)

{

}

private void panel2\_Paint(object sender, PaintEventArgs e)

{

}

private void label4\_Click(object sender, EventArgs e)

{

closetrip obj = new closetrip();

obj.Show();

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

}

}}

**Trip Details Form:**

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 fleetmanagementsystem

{

public partial class tripdetails : Form

{

public tripdetails()

{

InitializeComponent();

textBox3.Text = Program.did;

gettid();

gettvid();

textBox8.Text = System.DateTime.Now.ToShortDateString();

}

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public void gettid()

{

con.Open();

string query = "select isnull(MAX(tid),5000)+1 from tripdetails";

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

textBox1.Text = dr[0].ToString();

}

con.Close();

}

public void gettvid()

{

comboBox1.Items.Clear();

con.Open();

string query = "select distinct(vid) from assignvechicle where did='"+Program.did+"'";

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

comboBox1.Items.Add(dr[0].ToString());

}

con.Close();

}

private void label1\_Click(object sender, EventArgs e)

{

}

private void textBox2\_TextChanged(object sender, EventArgs e)

{

}

private void textBox3\_TextChanged(object sender, EventArgs e)

{

}

private void textBox8\_TextChanged(object sender, EventArgs e)

{

}

private void textBox4\_TextChanged(object sender, EventArgs e)

{

}

private void textBox5\_TextChanged(object sender, EventArgs e)

{

}

private void tripdetails\_Load(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

if (textBox1.Text == "" || comboBox1.Text==""|| textBox3.Text == "" || textBox4.Text == "" || textBox5.Text == "" || textBox8.Text == "" )

{

MessageBox.Show("Fill");

return;

}

string q1 = "insert into tripdetails values('" + textBox1.Text + "','" + comboBox1.Text + "','" + textBox3.Text + "','" + textBox5.Text + "','','','" + textBox4.Text + "','" + textBox8.Text + "','','','','active','')";

SqlCommand cmd = new SqlCommand(q1, con);

con.Open();

if (cmd.ExecuteNonQuery() > 0)

{

MessageBox.Show("Trip Added Successfully");

textBox1.Text = "";

textBox5.Text = "";

textBox4.Text = "";

textBox3.Text = "";

textBox8.Text = "";

}

con.Close();

this.Close();

}

}

}

**Close Trip Form:**

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 fleetmanagementsystem

{

public partial class closetrip : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public closetrip()

{

InitializeComponent();

gettid();

getvid();

}

public void gettid()

{

con.Open();

string query = "select distinct(tid) from tripdetails where did='"+Program.did+"' and status='active'";

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

comboBox1.Items.Add(dr[0].ToString());

}

con.Close();

}

public void getvid()

{

con.Open();

string query = "select \* from tripdetails where starting\_reading = '" + textBox3.Text + "'";

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

textBox1.Text = dr[3].ToString();

}

con.Close();

}

private void closetrip\_Load(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

string query = @"update tripdetails

set end\_reading=@endreading,kilometers=@kilo,enddate=@enddate,toll=@toll,Fare=@fare,status='close',total=@total

where tid=@tid";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

cmd.Parameters.AddWithValue("@endreading", textBox4.Text);

cmd.Parameters.AddWithValue("@kilo", textBox5.Text);

cmd.Parameters.AddWithValue("@enddate", dateTimePicker1.Value.ToString("yyyy-mm-dd"));

cmd.Parameters.AddWithValue("@toll", textBox6.Text);

cmd.Parameters.AddWithValue("@fare", textBox2.Text);

cmd.Parameters.AddWithValue("@total", label13.Text);

cmd.Parameters.AddWithValue("@tid", comboBox1.Text);

cmd.ExecuteReader();

con.Close();

MessageBox.Show("Trip Closed Successfully");

this.Close();

// comboBox1.Text = "";

// textBox4.Text="";

//textBox1.Text = "";

//textBox8.Text = "";

// textBox5.Text = "";

//textBox9.Text = "";

//textBox3.Text = "";

//textBox6.Text = "";

// t/extBox2.Text = "";

//label13.Text = "";

//string query = "UPDATE tripdetails SET end\_reading='" + textBox4.Text + "', kilometers='" + textBox5.Text + "',enddate='" + dateTimePicker1.Value.ToString("yyyy-mm-dd") + "',Toll='" + textBox6.Text + "',total='" + label13.Text + "',status='close' WHERE did='" + Program.did + "'";

//con.Open();

//SqlCommand cmd = new SqlCommand(query, con);

//con.Close();

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

}

private void comboBox1\_SelectedIndexChanged(object sender, EventArgs e)

{

string query = "Select \* from tripdetails where tid='" + comboBox1.Text + "'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

textBox1.Text = dr[3].ToString();

textBox8.Text = dr[7].ToString();

}

con.Close();

}

private void textBox4\_TextChanged(object sender, EventArgs e)

{

// Display the difference in textBox5

// Check if the value in textBox4 is less than the value in textBox1

}

private void dateTimePicker1\_ValueChanged(object sender, EventArgs e)

{

}

private void textBox5\_TextChanged(object sender, EventArgs e)

{

}

private void button2\_Click(object sender, EventArgs e)

{

panel1.Visible = true;

DateTime secondate = dateTimePicker1.Value;

DateTime firstdate = Convert.ToDateTime(textBox8.Text);

TimeSpan dt = secondate - firstdate;

textBox9.Text = dt.Days.ToString();

if (string.IsNullOrEmpty(textBox1.Text) || string.IsNullOrEmpty(textBox4.Text))

{

textBox5.Text = ""; // Clear textBox5 if either is empty

return; // Exit if either textBox is empty

}

// Try to parse the values of textBox1 and textBox4

decimal value1 = Convert.ToDecimal(textBox4.Text);

decimal value4 = Convert.ToDecimal(textBox1.Text);

// Calculate the difference

decimal difference = value1 - value4;

textBox5.Text = difference.ToString();

if (dt.Days == 0)

{

textBox9.Text = "1";

textBox3.Text = Convert.ToString(Convert.ToDecimal(textBox9.Text) \* Convert.ToDecimal(Program.bata));

}

else

{

textBox3.Text = Convert.ToString(Convert.ToDecimal(textBox9.Text) \* Convert.ToDecimal(Program.bata));

}

if (Convert.ToDecimal(textBox5.Text) > 0)

{

textBox2.Text = Convert.ToString(Convert.ToDecimal(textBox5.Text) \* Convert.ToDecimal(Program.fare));

}

label13.Text = Convert.ToString(Convert.ToDecimal(textBox6.Text) + Convert.ToDecimal(textBox2.Text) + Convert.ToDecimal(textBox3.Text));

}

}

}

**Update Details Form:**

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 fleetmanagementsystem

{

public partial class updatedetails : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public updatedetails()

{

InitializeComponent();

fillcombo();

fillgrid();

fillcombo1();

}

public updatedetails(string id)

{

InitializeComponent();

comboBox1.Text = id;

string query = "Select \* from driverdetails where did='" + comboBox1.Text + "'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

textBox1.Text = dr[1].ToString();

textBox2.Text = dr[2].ToString();

textBox3.Text = dr[3].ToString();

textBox4.Text = dr[4].ToString();

comboBox3.Text = dr[5].ToString();

}

dataGridView1.Visible = false;

con.Close();

}

public void fillcombo()

{

string query = "Select did from driverdetails";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

comboBox1.Items.Add(dr[0].ToString());

}

con.Close();

}

public void fillcombo1()

{

string query = "Select did from driverdetails";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

comboBox2.Items.Add(dr[0].ToString());

}

con.Close();

}

private void tabPage1\_Click(object sender, EventArgs e)

{

}

private void updatedetails\_Load(object sender, EventArgs e)

{

}

public void fillgrid()

{

con.Open();

string str = "select \* from driverdetails";

DataSet ds = new DataSet();

SqlDataAdapter sqlda = new SqlDataAdapter(str, con);

sqlda.Fill(ds);

dataGridView1.DataSource = ds.Tables[0].DefaultView;

con.Close();

}

private void button1\_Click(object sender, EventArgs e)

{

string query = "update driverdetails set name='" + textBox1.Text + "',age='" + textBox2.Text + "',mobile='" + textBox3.Text + "',gender='" + comboBox3.Text + "'where did='"+comboBox1.Text+"'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

if (cmd.ExecuteNonQuery() > 0)

{

MessageBox.Show("Value updated successfully");

textBox1.Text = "";

textBox2.Text = "";

textBox3.Text = "";

textBox4.Text = "";

comboBox3.Text = "";

comboBox1.Text = "";

}

con.Close();

fillgrid();

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

private void comboBox1\_SelectedIndexChanged(object sender, EventArgs e)

{

string query = "Select \* from driverdetails where did='" + comboBox1.Text + "'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

textBox1.Text = dr[1].ToString();

textBox2.Text = dr[2].ToString();

textBox3.Text = dr[3].ToString();

textBox4.Text = dr[4].ToString();

comboBox3.Text = dr[5].ToString();

}

con.Close();

}

private void button2\_Click(object sender, EventArgs e)

{

string query = "delete from driverdetails where did='" + comboBox2.Text + "'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

if (cmd.ExecuteNonQuery() > 0)

{

MessageBox.Show("driver details deleted");

}

con.Close();

}

}

}

**Owner View Trip Form:**

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;

using System.Windows.Forms.DataVisualization.Charting;

namespace fleetmanagementsystem

{

public partial class OwnerViewTrips : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public OwnerViewTrips()

{

InitializeComponent();

filltotal();

fillactive();

fillclosed();

fillgrid1();

fillgrid2();

fillrevenue();

fillgraph1();

}

public void filltotal()

{

string query = "Select count(tid) from tripdetails";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

label4.Text=dr[0].ToString();

}

con.Close();

}

public void fillgraph1()

{

string query = "SELECT did, SUM(Fare) AS TotalFare FROM tripdetails GROUP BY did";

con.Open();

DataTable dataTable = new DataTable();

SqlDataAdapter adapter = new SqlDataAdapter(query, con);

adapter.Fill(dataTable);

// Plot the data

PlotBarGraph1(dataTable);

con.Close();

}

private void PlotBarGraph1(DataTable dataTable)

{

// Create a new chart

// Create a series and add data points

Series series = new Series

{

Name = "Fare",

};

chart1.Series.Add(series);

// Add data points from DataTable

foreach (DataRow row in dataTable.Rows)

{

string driverId = row["did"].ToString();

decimal totalFare = Convert.ToDecimal(row["TotalFare"]);

series.Points.AddXY(driverId, totalFare);

}

// Add the chart to the form

}

public void fillactive()

{

string query = "Select count(tid) from tripdetails where status='active'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

label5.Text = dr[0].ToString();

}

con.Close();

}

public void fillrevenue()

{

string query = "Select sum(fare) from tripdetails where status='close'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

label8.Text = dr[0].ToString();

}

con.Close();

}

public void fillclosed()

{

string query = "Select count(tid) from tripdetails where status='close'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

if (dr.Read())

{

label6.Text = dr[0].ToString();

}

con.Close();

}

public void fillgrid1()

{

con.Open();

string query = "Select \* from tripdetails where status='active'";

DataSet ds = new DataSet();

SqlDataAdapter sqlda = new SqlDataAdapter(query, con);

sqlda.Fill(ds);

dataGridView1.DataSource = ds.Tables[0].DefaultView;

con.Close();

}

public void fillgrid2()

{

con.Open();

string query = "Select \* from tripdetails where status='close'";

DataSet ds = new DataSet();

SqlDataAdapter sqlda = new SqlDataAdapter(query, con);

sqlda.Fill(ds);

dataGridView2.DataSource = ds.Tables[0].DefaultView;

con.Close();

}

private void OwnerViewTrips\_Load(object sender, EventArgs e)

{

}

}

}

**Personal Details View Form:**

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.IO;

using System.Data.SqlClient;

namespace fleetmanagementsystem

{

public partial class persondeatilsdriver : Form

{

SqlConnection con = new SqlConnection("server=DESKTOP-PBIP1KS; database=fleet; Integrated Security=true; ");

public persondeatilsdriver()

{

InitializeComponent();

}

public persondeatilsdriver(string id)

{

InitializeComponent();

fillcontent(id);

filltrips(id);

fillkilometers(id);

fillrevenue(id);

}

public void fillrevenue(string id)

{

con.Open();

string query = "SELECT SUM(CAST(total AS INT)) AS Revenue FROM tripdetails WHERE ISNUMERIC(total) = 1 and did='" + id + "'";

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

label16.Text = dr[0].ToString();

}

con.Close();

}

public void filltrips(string id)

{

con.Open();

string query="select count(tid) from tripdetails where did='" + id + "'";

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

label7.Text = dr[0].ToString();

}

con.Close();

}

public void fillkilometers(string id)

{

con.Open();

string query = "SELECT SUM(CAST(kilometers AS INT)) AS TotalKilometers FROM tripdetails WHERE ISNUMERIC(kilometers) = 1 and did='" + id + "'";

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

label14.Text = dr[0].ToString();

}

con.Close();

}

public void fillcontent(string id)

{

textBox1.Text = id;

string query = "Select \* from driverdetails where did='"+id+"'";

con.Open();

SqlCommand cmd = new SqlCommand(query, con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

textBox2.Text = dr[1].ToString();

textBox3.Text = dr[2].ToString();

textBox6.Text = dr[3].ToString();

textBox5.Text = dr[4].ToString();

textBox4.Text = dr[5].ToString();

pictureBox1.ImageLocation = Application.StartupPath + dr[6].ToString();

}

con.Close();

}

private void persondeatilsdriver\_Load(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

updatedetails obj = new updatedetails(textBox1.Text);

ActiveForm.Hide();

obj.Show();

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

}

}

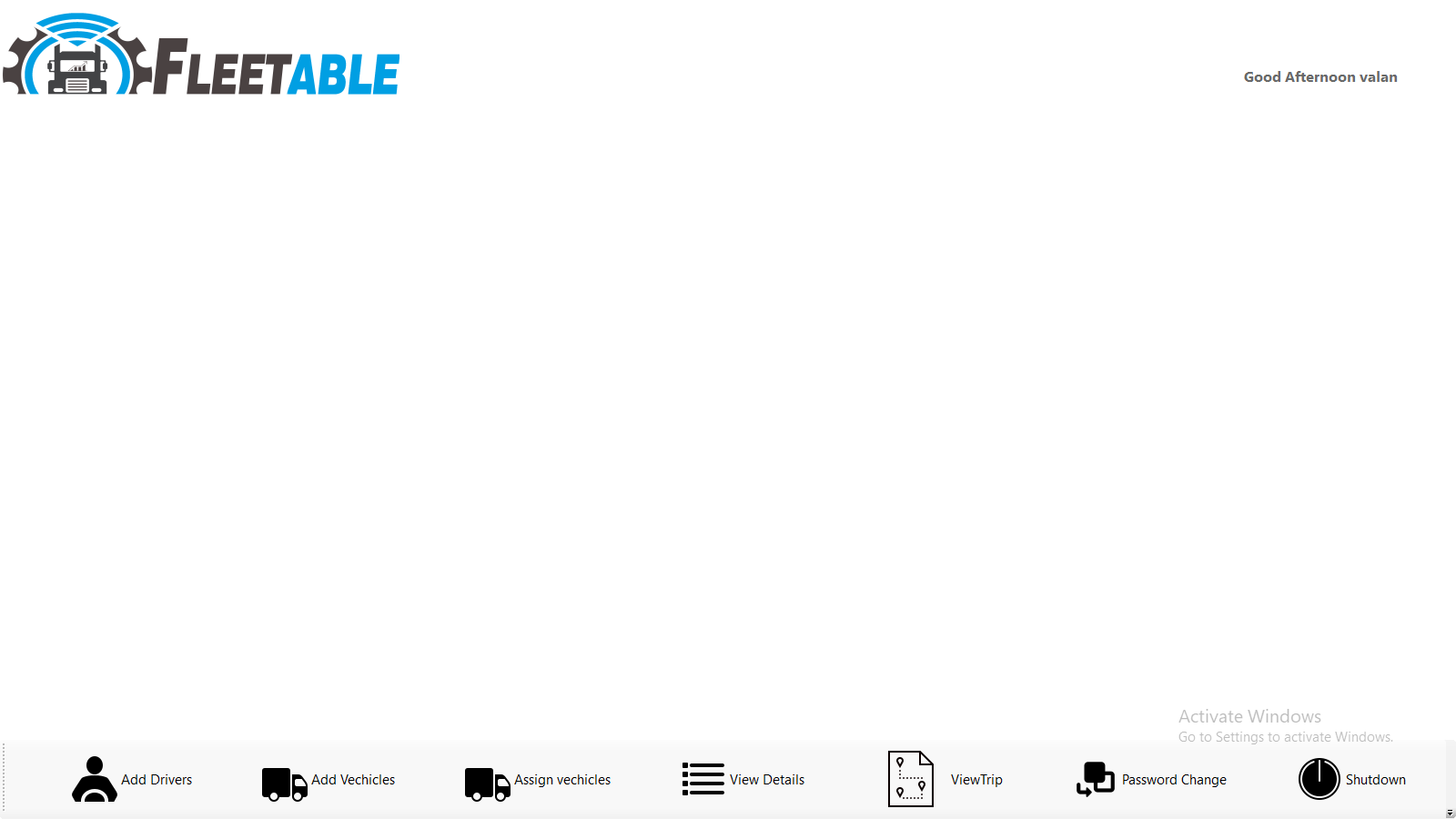
}

**6.2.2 SCREENSHOTS**

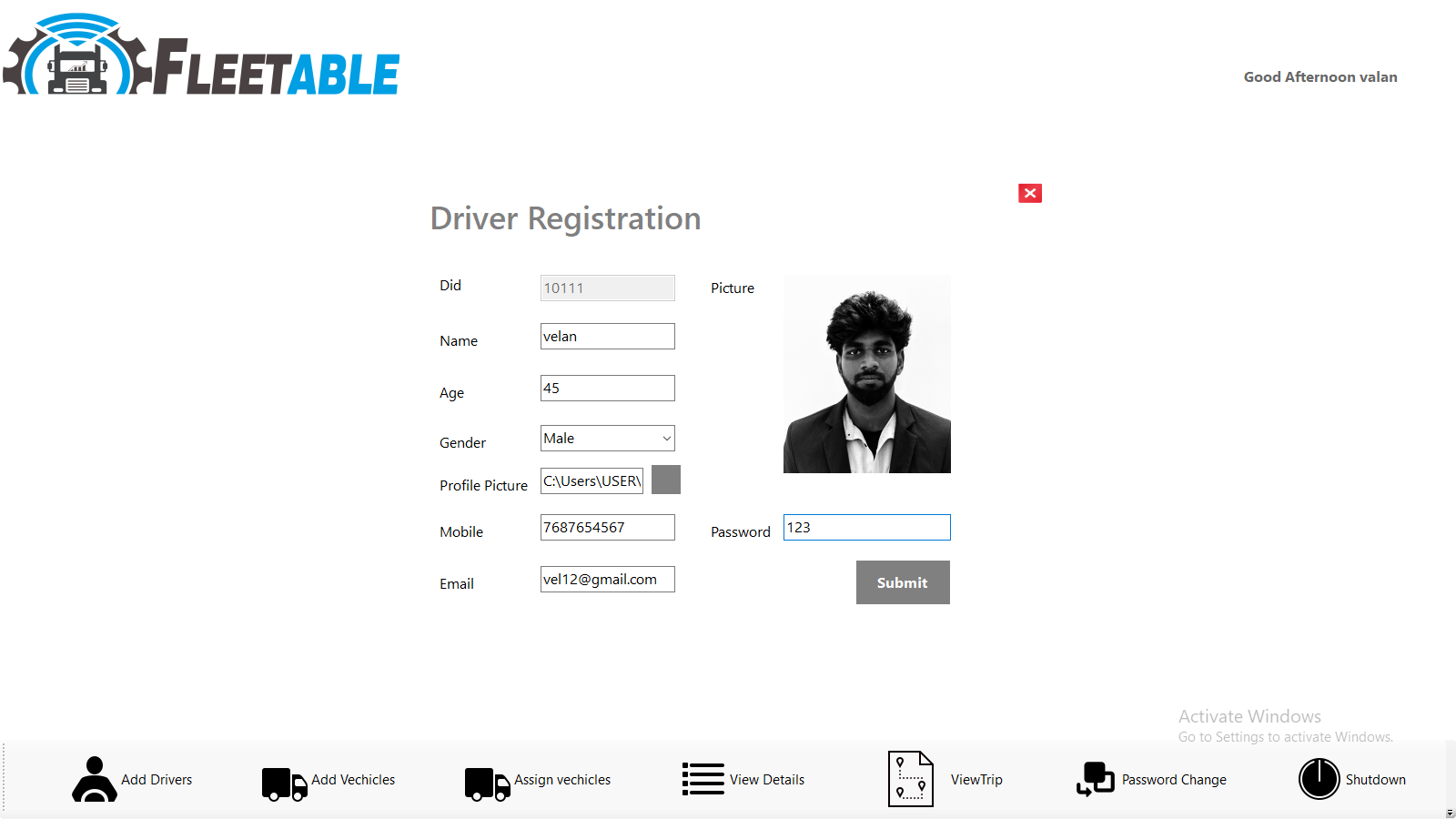
**Login**

****

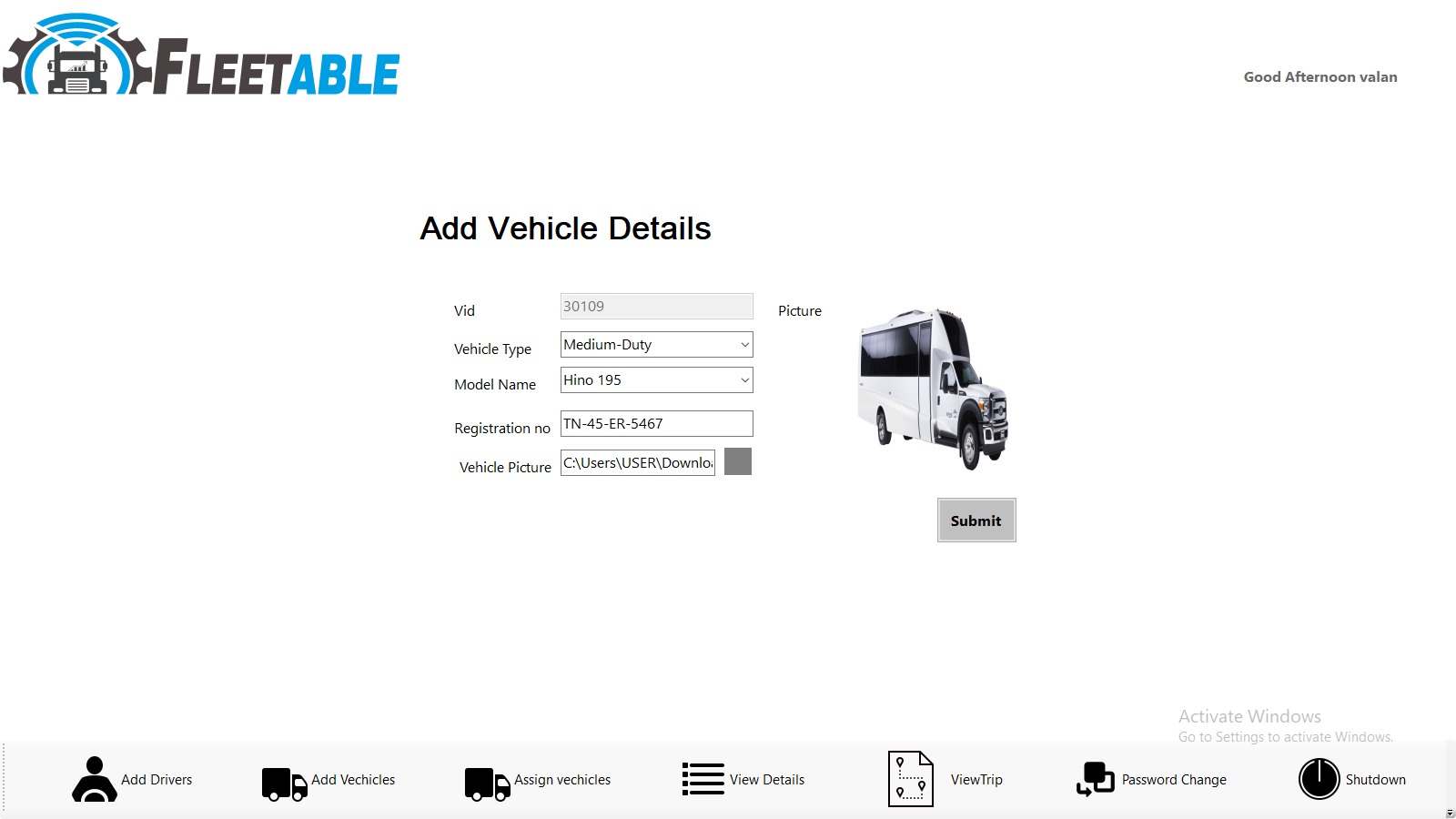
**Owner Login**

****

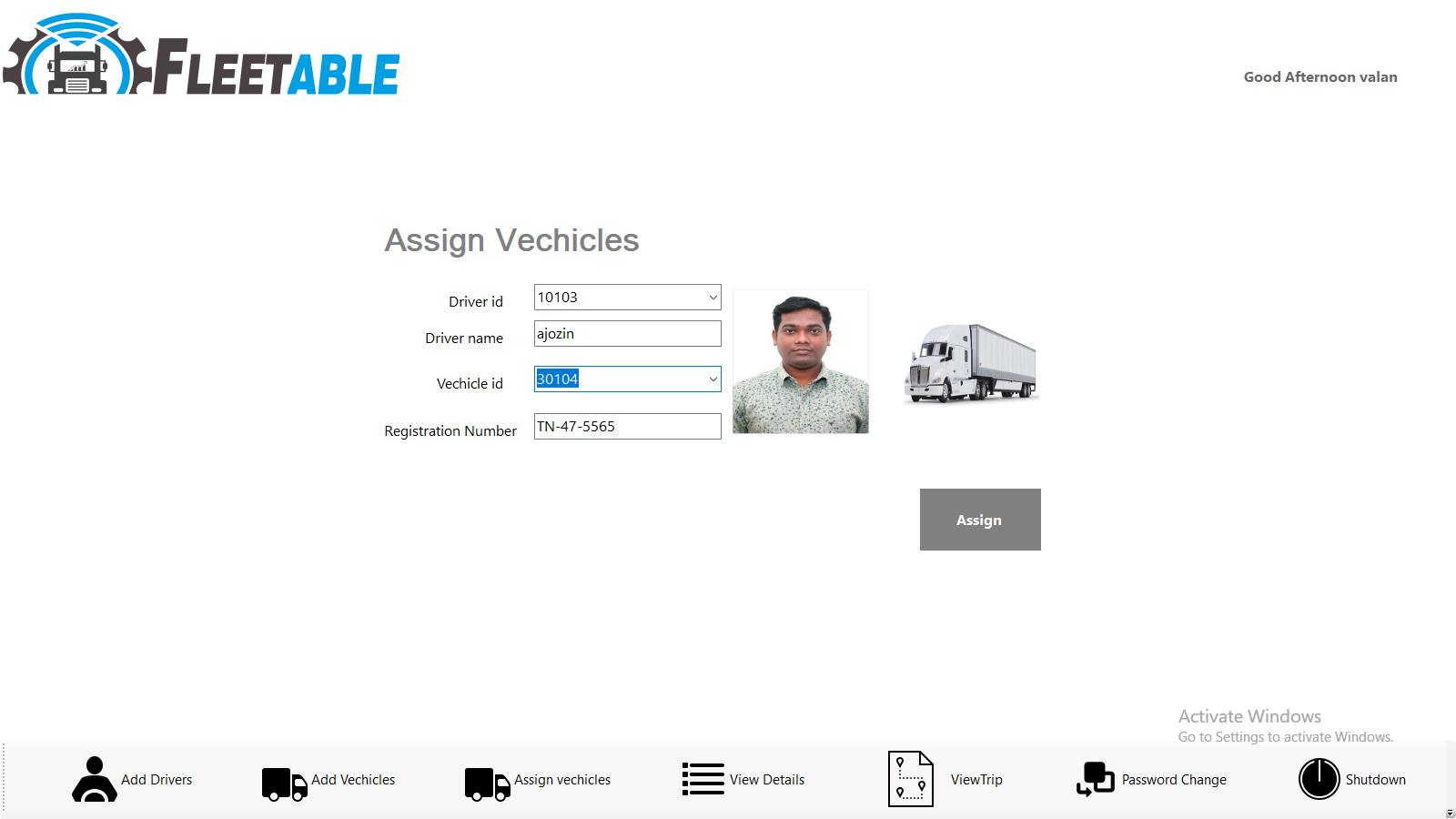
**Add Driver**

****

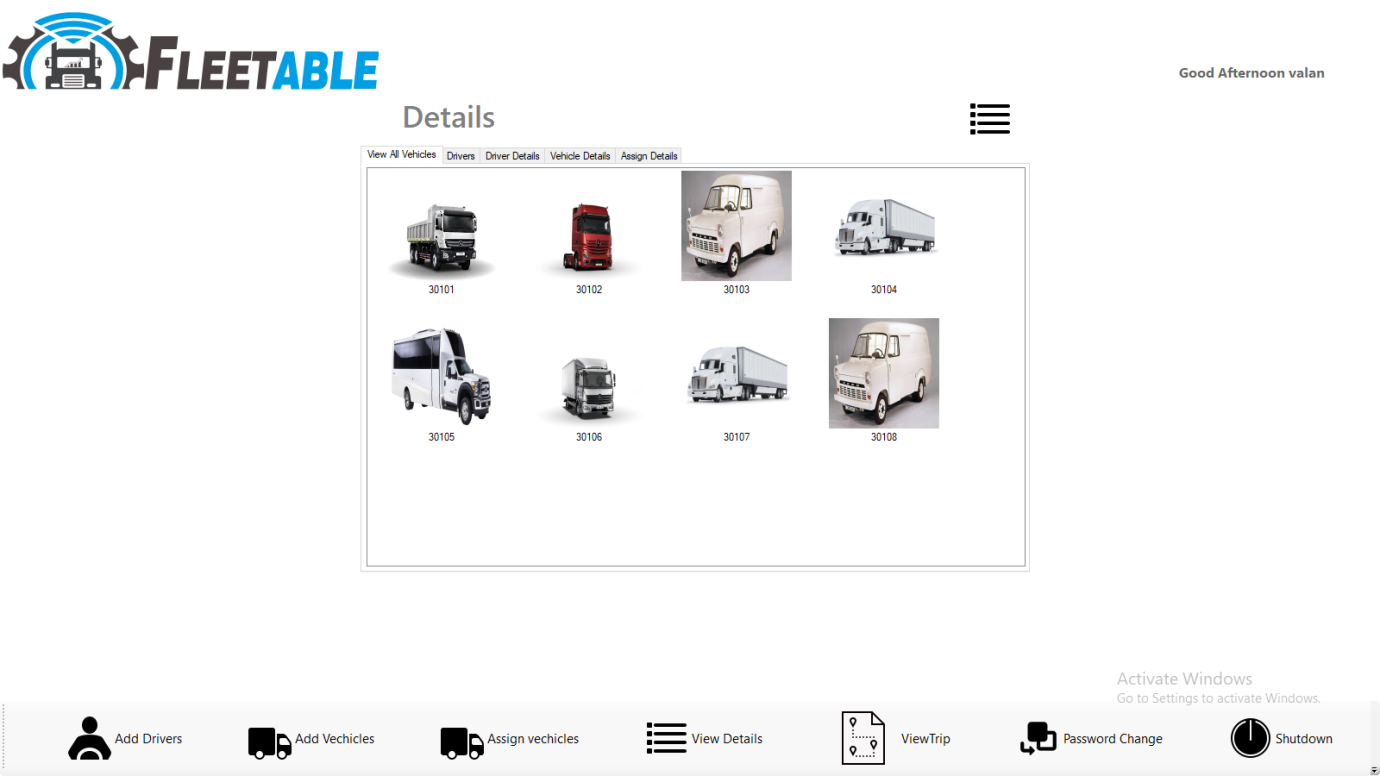
**Add Vechicles**

****

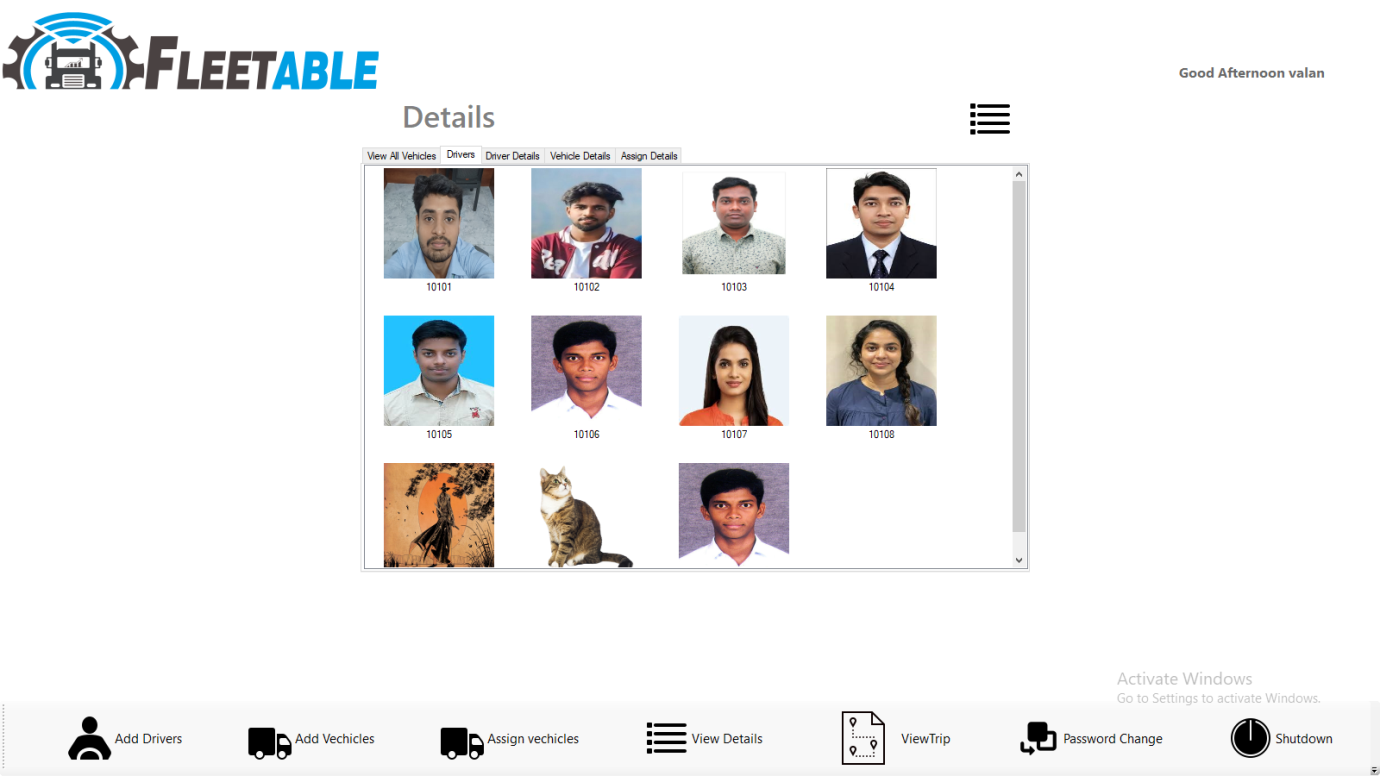
**Assign Vehicles**

****

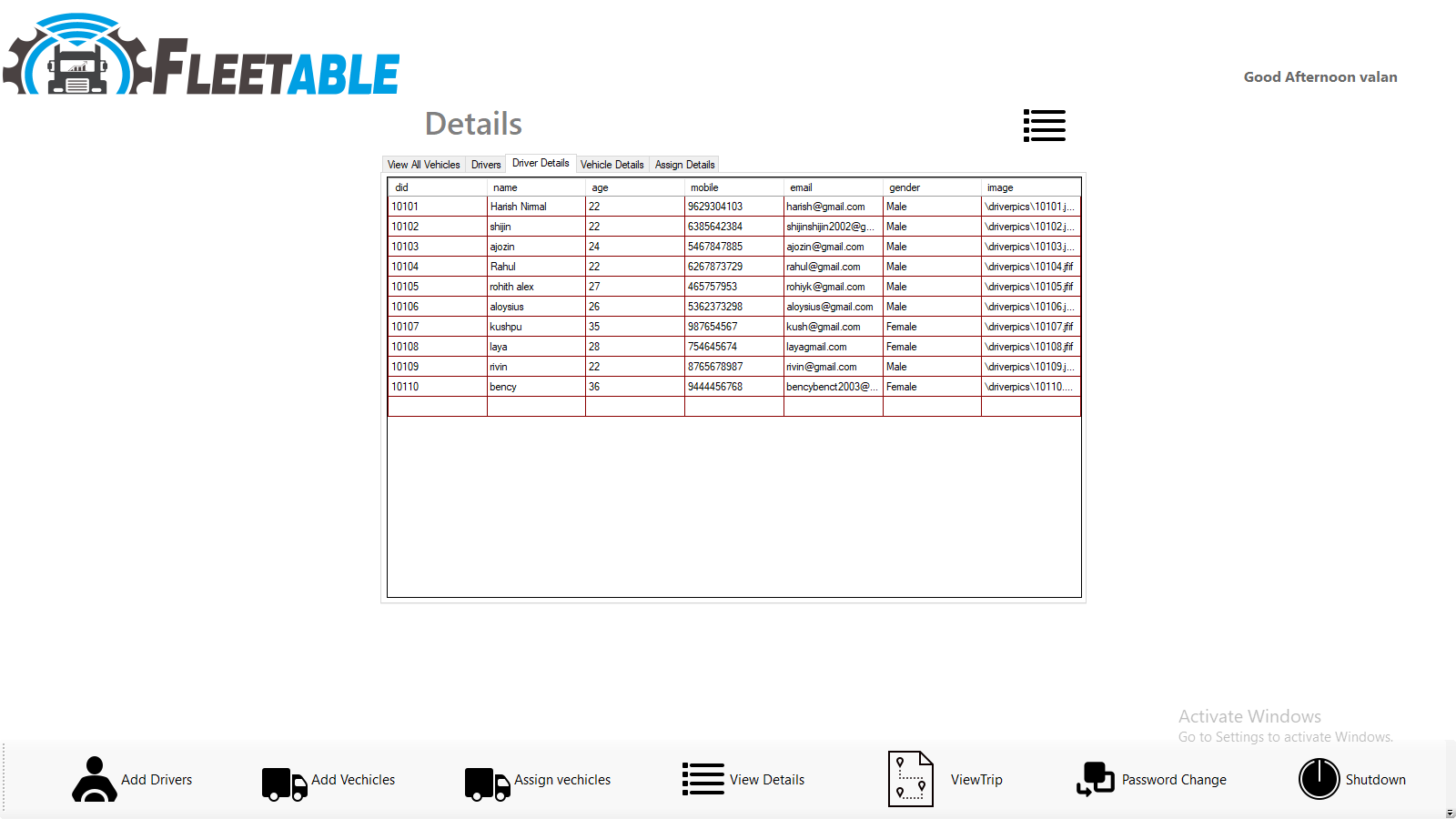
**View Details**

****

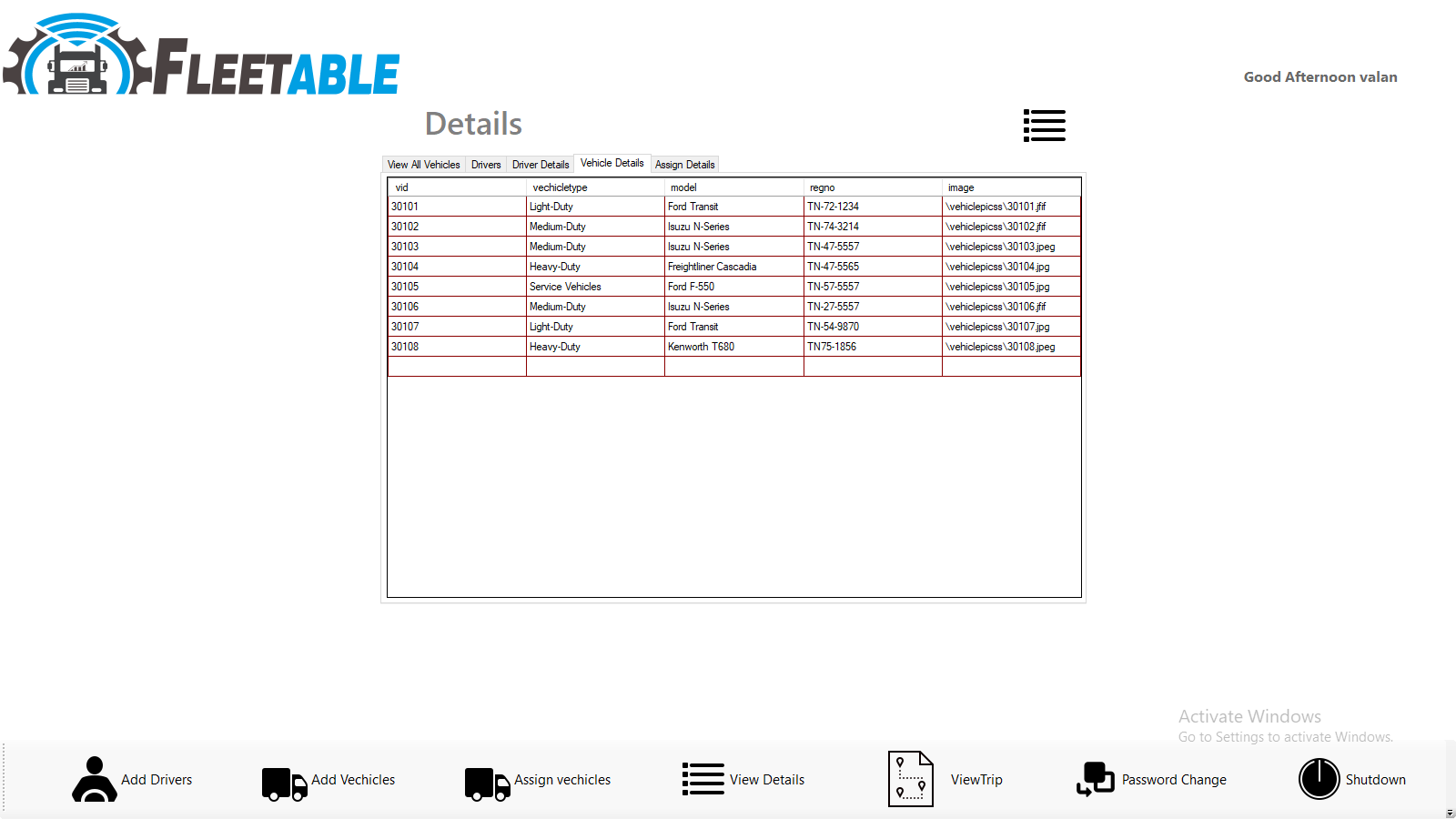
**View Driver**

****

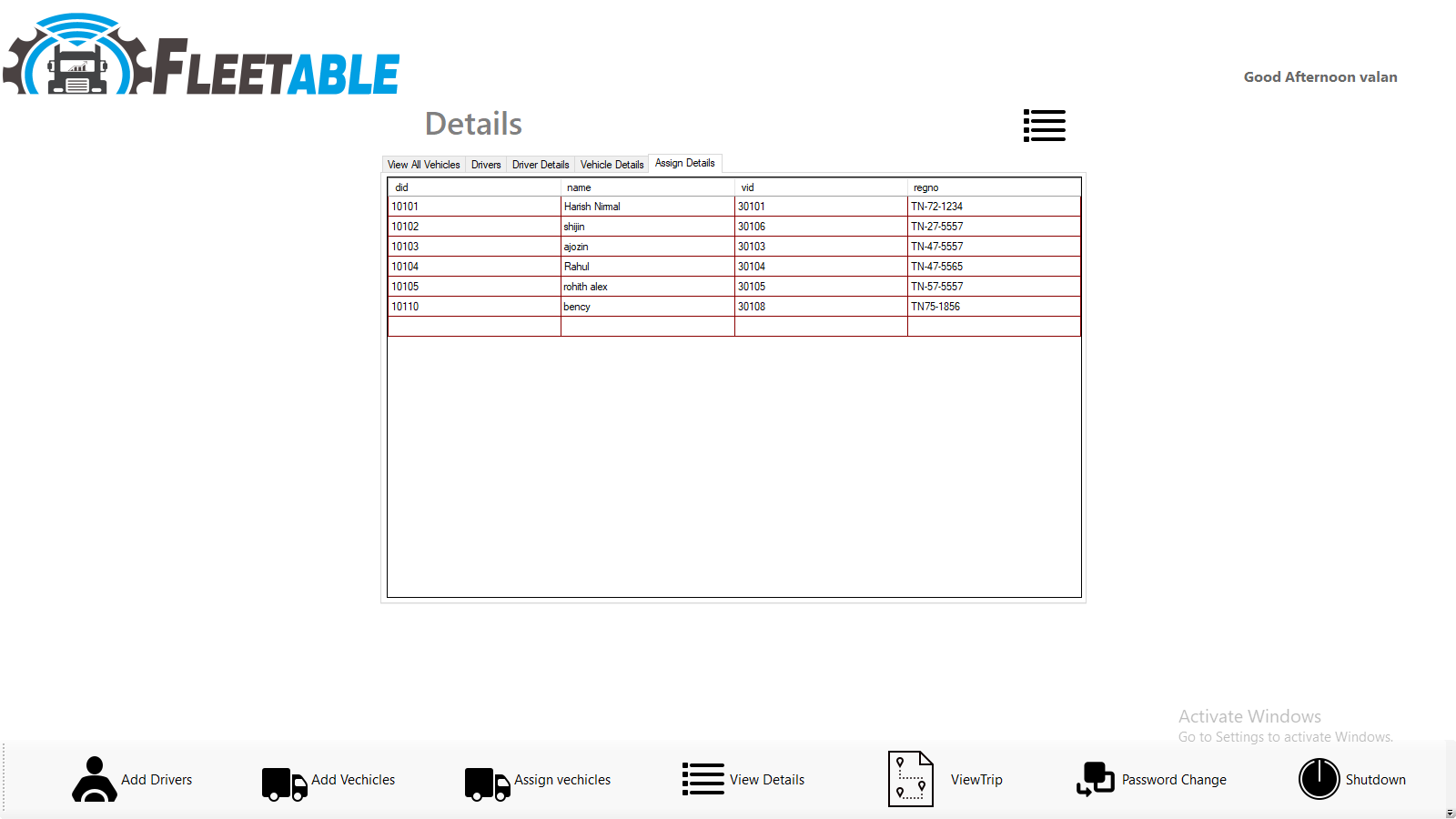
**View Driver Details**

****

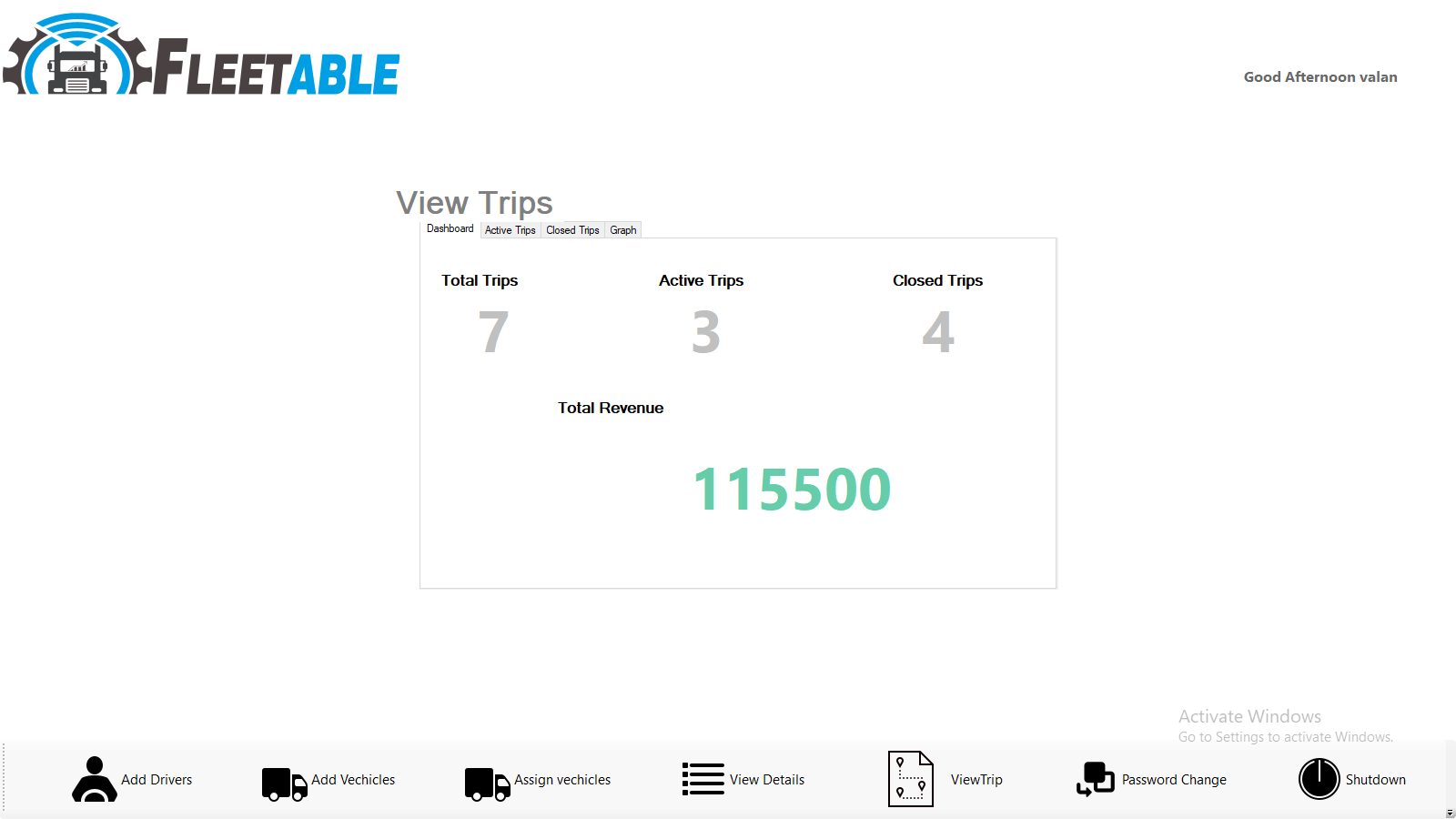
**View Vehicles Details**

****

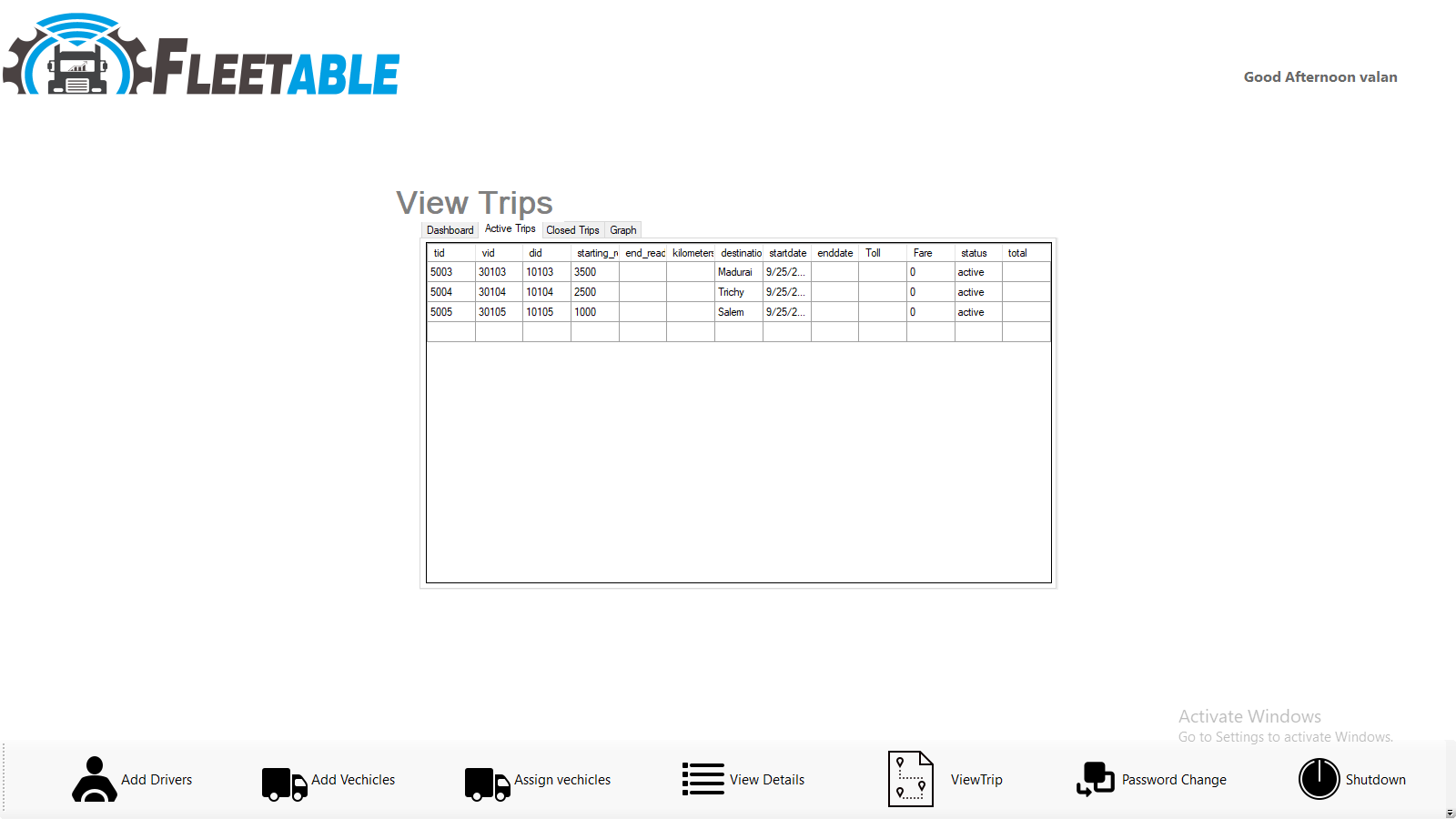
**View Assign Details**

****

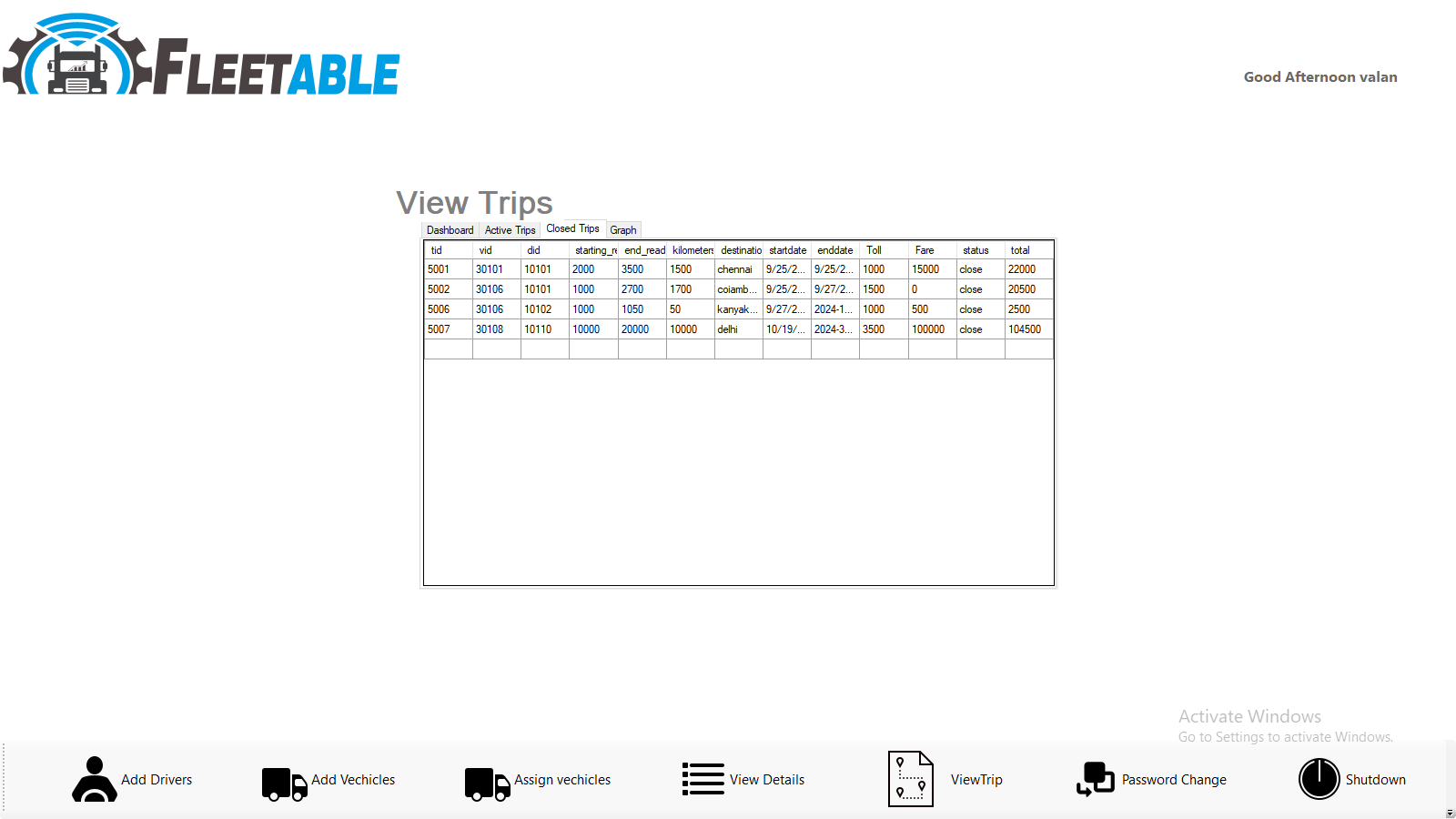
**View Trip**

****

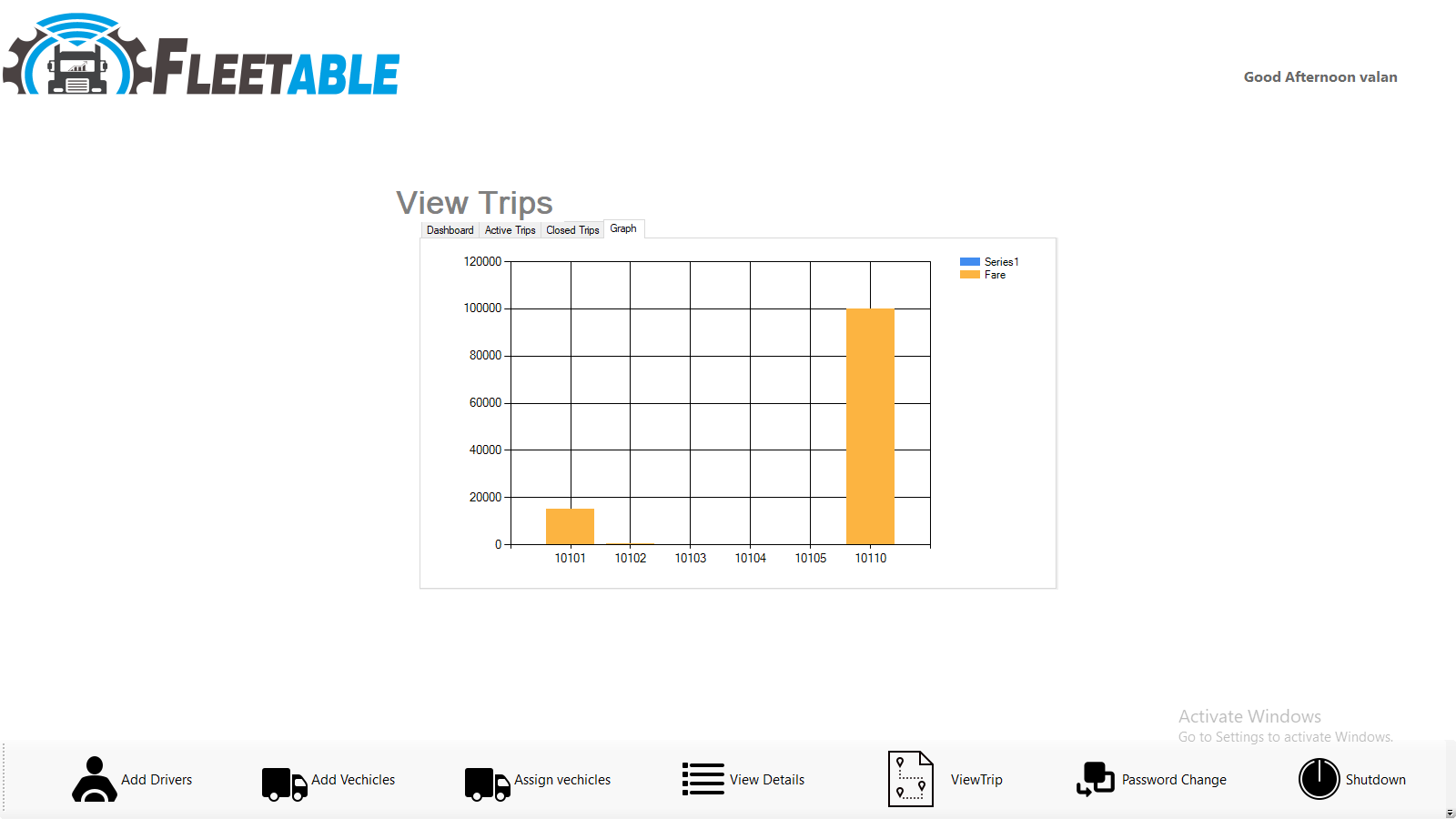
**View Active Trip Details**

****

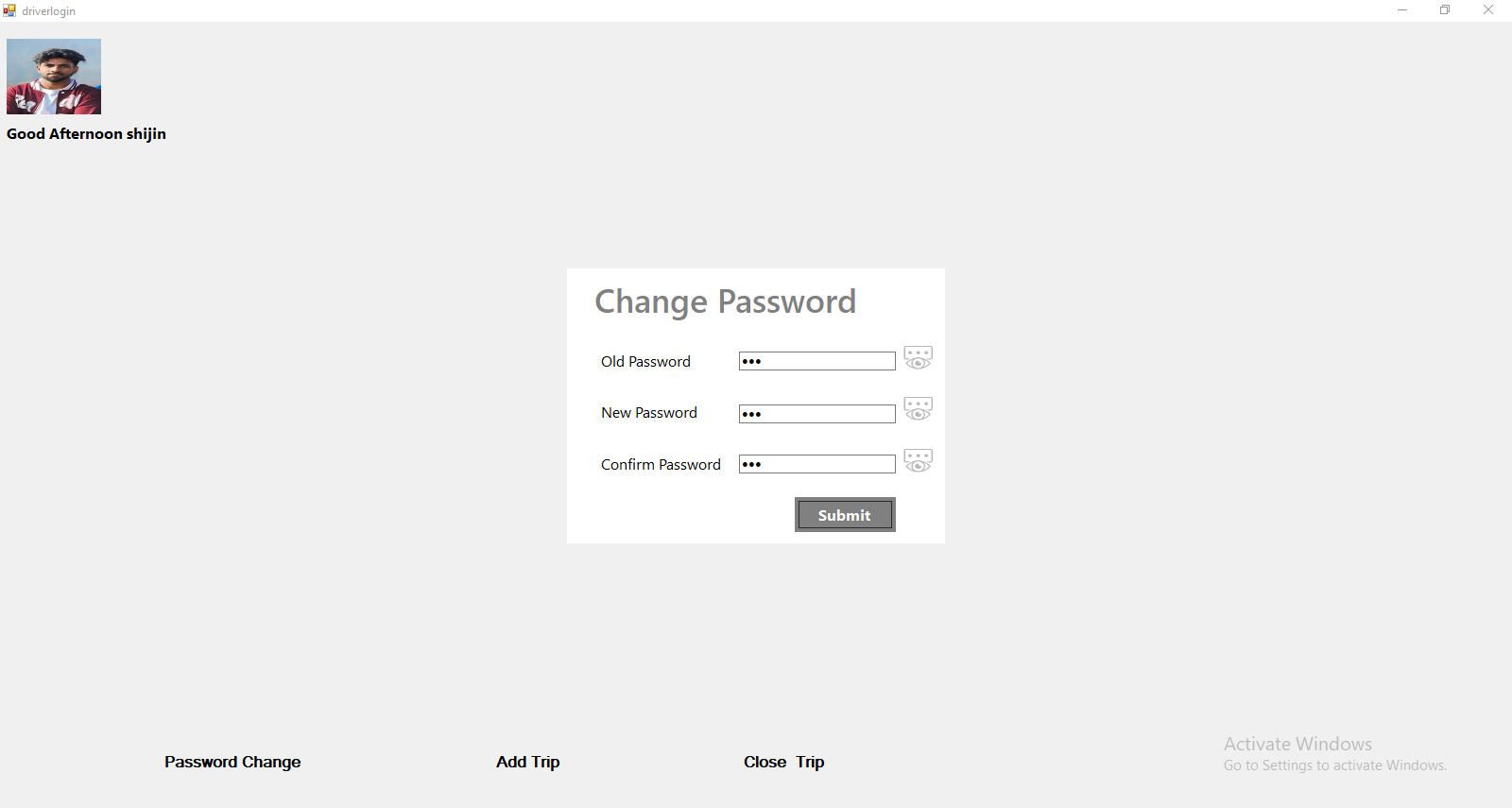
**View Close Trip Details**

****

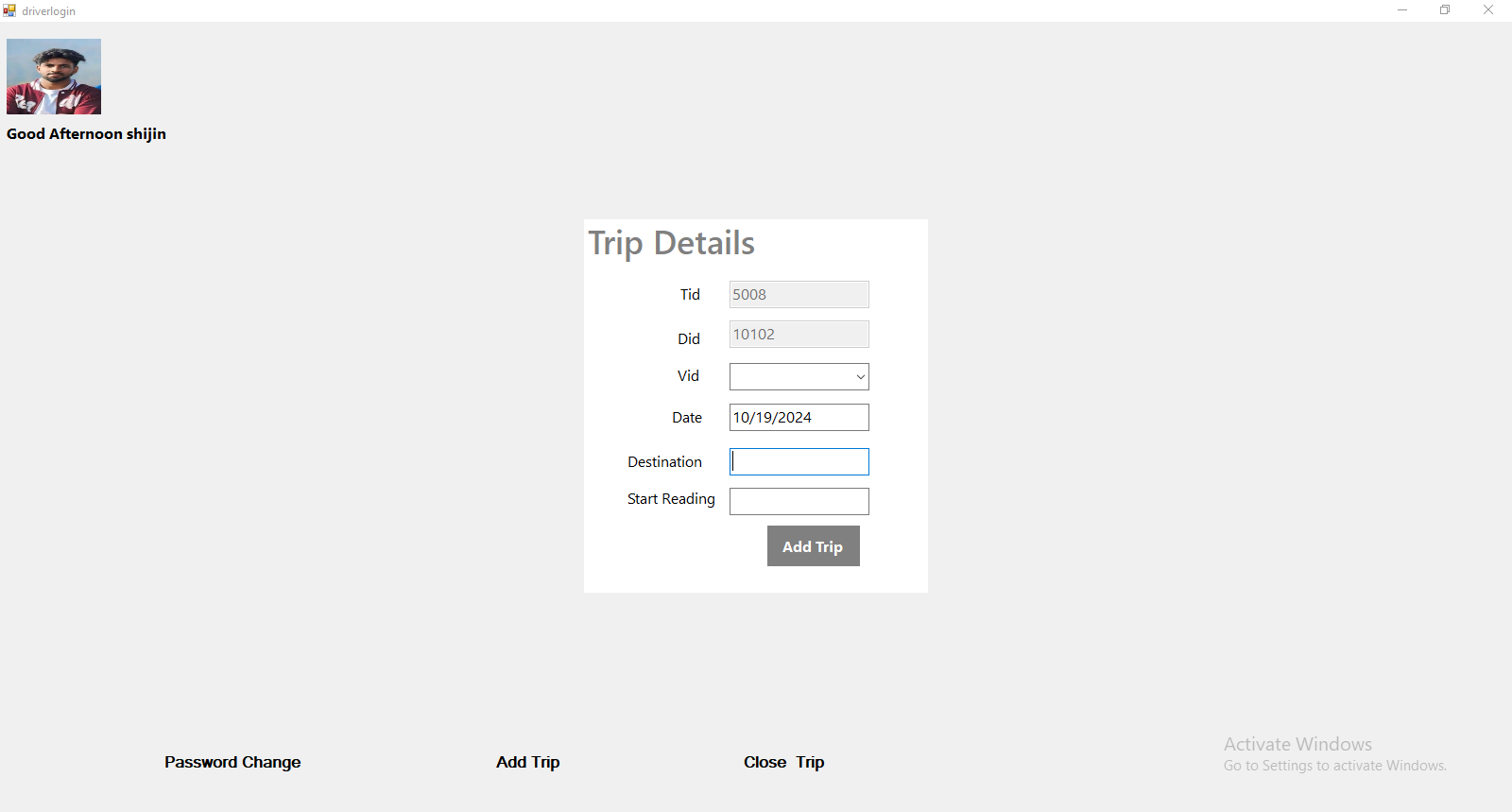
**View Graph Details**

****

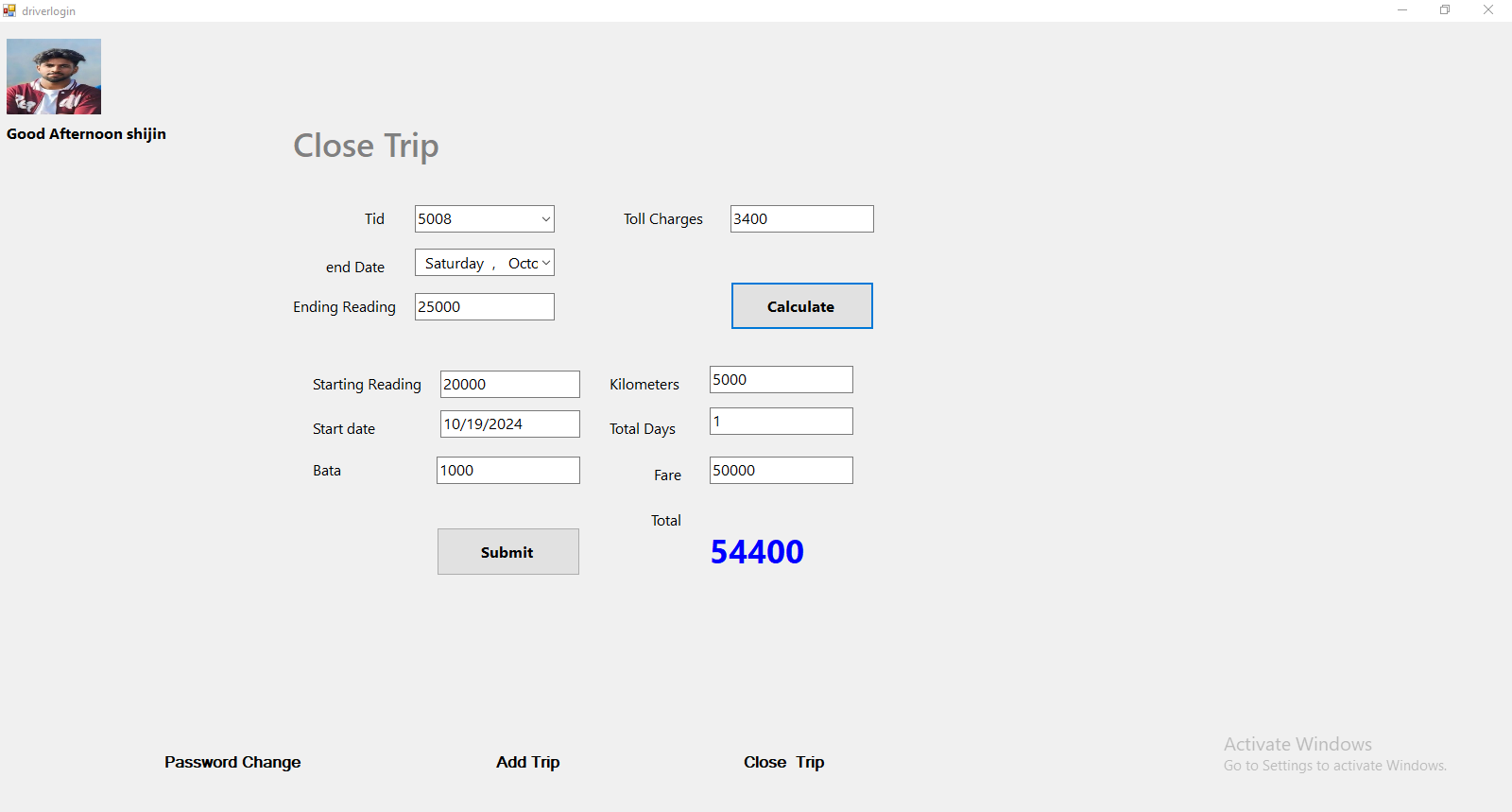
**Driver Change Password**

****

**Driver View Trip**

****

**Driver Close Trip**

****