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PRG521 SA Q3

CODE:

Form Address

```csharp
public partial class Address : Form
    {
        int ComplexNumber = 0;

        // Connection String established here for later use
        public string connectionString = @"Data Source=DESKTOP-A9EC70F; Initial
Catalog=DBCtuLogistics;Integrated Security=True";
        SqlCommand formCommand = new SqlCommand();
        SqlDataAdapter adapt;

        public Address()
        {
            InitializeComponent();
            showData();
        }

        // Method to display the data on the data grid view
        private void showData()
        {
            using (SqlConnection connect = new SqlConnection(connectionString))
            {
                connect.Open();

                DataTable Table = new DataTable();
                adapt = new SqlDataAdapter("SELECT * FROM [DBCtuLogistics].[dbo].[Address]",
connect);
                adapt.Fill(Table);
                dataGridView1.DataSource = Table;
                connect.Close();

            }
        }
        // Method to clear the text boxes after it's been used in the create, update or delete button
        private void ClearTextBoxes()
```

```csharp
        {
            ComplexNmbrTxtbox.Text = "";
            ComplexNameTxtbox.Text = "";
            StreetTxtbox.Text = "";
            SuburbTxtbox.Text = "";
            CityTxtbox.Text = "";
            ProvinceTxtbox.Text = "";
            CountryTxtbox.Text = "";
            PostalCodeTxtbox.Text = "";
        }
        // Displays the content to string on data grid view
        private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
        {
            ComplexNmbrTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[1].Value.ToString();
            ComplexNameTxtbox.Text =
dataGridView1.Rows[e.RowIndex].Cells[2].Value.ToString();
            StreetTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[3].Value.ToString();
            SuburbTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[4].Value.ToString();
            CityTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[5].Value.ToString();
            ProvinceTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[6].Value.ToString();
            CountryTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[7].Value.ToString();
            PostalCodeTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[8].Value.ToString();
        }

        // Create button created here
        private void CreateBtn_Click(object sender, EventArgs e)
        {
            SqlConnection connect = new SqlConnection(connectionString);
            connect.Open();

            if (ComplexNmbrTxtbox.Text != "" && ComplexNameTxtbox.Text != "" &&
StreetTxtbox.Text != "" && SuburbTxtbox.Text != "" && CityTxtbox.Text != "" &&
ProvinceTxtbox.Text != "" && CountryTxtbox.Text != "" && PostalCodeTxtbox.Text != "")
            {
                SqlCommand formCommand = new SqlCommand("Insert into Address(CNumber,
CName, Street, Suburb, City, Province, Country, PostalCode) values (@ComplexNumber,
@ComplexName, @Street, @Suburb, @City, @Province, @Country, @PostalCode)", connect);

                formCommand.Connection = connect;

                formCommand.Parameters.AddWithValue("@ComplexNumber",
ComplexNmbrTxtbox.Text);
```

```csharp
            formCommand.Parameters.AddWithValue("@ComplexName",
ComplexNameTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Street", StreetTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Suburb", SuburbTxtbox.Text);
            formCommand.Parameters.AddWithValue("@City", CityTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Province", ProvinceTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Country", CountryTxtbox.Text);
            formCommand.Parameters.AddWithValue("@PostalCode", PostalCodeTxtbox.Text);

            formCommand.ExecuteNonQuery();
            connect.Close();
            MessageBox.Show("Your record has been saved.");

            showData();
            ClearTextBoxes();

        }
        else
        {
            MessageBox.Show("Missing some or all fields. Please fill in all the fields");
        }
    }

    // Read button created here
    private void ReadBtn_Click(object sender, EventArgs e)
    {
        SqlConnection connect = new SqlConnection(connectionString);
        formCommand.Connection = connect;

        if (ComplexNmbrTxtbox.Text != "")
        {
            int Find = Convert.ToInt32(ComplexNmbrTxtbox.Text);
            formCommand = new SqlCommand("Select CNumber, CName, Street, Suburb, City,
Province, Country, PostalCode from Address where ComplexNumber =" + Find);
            formCommand.CommandType = CommandType.Text;
            formCommand.Connection = connect;
            connect.Open();

            SqlDataReader reader = formCommand.ExecuteReader();
            reader.Read();

            ComplexNmbrTxtbox.Text = reader["ComplexNumber"].ToString();
            ComplexNameTxtbox.Text = reader["ComplexName"].ToString();
            StreetTxtbox.Text = reader["Street"].ToString();
```

```csharp
            SuburbTxtbox.Text = reader["Suburb"].ToString();
            CityTxtbox.Text = reader["City"].ToString();
            ProvinceTxtbox.Text = reader["Province"].ToString();
            CountryTxtbox.Text = reader["Country"].ToString();
            PostalCodeTxtbox.Text = reader["PostalCode"].ToString();

            connect.Close();
        }
        else
        {
            MessageBox.Show("No Complex Number entered. Please enter Complex Number.");
        }
    }

    // Update button created
    private void UpdateBtn_Click(object sender, EventArgs e)
    {
        SqlConnection connect = new SqlConnection(connectionString);
        formCommand.Connection = connect;

        if (ComplexNmbrTxtbox.Text != "" && ComplexNameTxtbox.Text != "" &&
StreetTxtbox.Text != "" && SuburbTxtbox.Text != "" && CityTxtbox.Text != "" &&
ProvinceTxtbox.Text != "" && CountryTxtbox.Text != "" && PostalCodeTxtbox.Text != "")
        {
            formCommand = new SqlCommand("update Address set
CNumber=@ComplexNumber, CName=@ComplexName, Street=@Street, Suburb=@Suburb,
City=@City, Province=@Province, Country=@Country, PostalCode=@PostalCode where
ComplexNumber=@ComplexNumber AND ComplexName=@ComplexName", connect);
            formCommand.Connection = connect;
            connect.Open();

            formCommand.Parameters.AddWithValue("@ComplexNumber",
ComplexNmbrTxtbox.Text);
            formCommand.Parameters.AddWithValue("@ComplexName",
ComplexNameTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Street", StreetTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Suburb", SuburbTxtbox.Text);
            formCommand.Parameters.AddWithValue("@City", CityTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Province", ProvinceTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Country", CountryTxtbox.Text);
            formCommand.Parameters.AddWithValue("@PostalCode", PostalCodeTxtbox.Text);
            formCommand.ExecuteNonQuery();
            MessageBox.Show("Your record has been updated");
            connect.Close();
```

```csharp
                    showData();
                    ClearTextBoxes();
                }
                else
                {
                    MessageBox.Show("No record selected. Insert a record you with to update with
Complex Number and Complex Name.");
                }
        }

        // Delete button created
        private void DeleteBtn_Click(object sender, EventArgs e)
        {
            SqlConnection connect = new SqlConnection(connectionString);
            formCommand.Connection = connect;

            ComplexNumber = Convert.ToInt32(ComplexNmbrTxtbox.Text);
            if (ComplexNumber != 0)
            {
                formCommand = new SqlCommand("delete Address where CNumber =
@ComplexNumber AND CName=@ComplexName", connect);
                connect.Open();
                formCommand.Parameters.AddWithValue("@ComplexNumber", ComplexNumber);
                formCommand.Parameters.AddWithValue("@ComplexName",
ComplexNameTxtbox.Text);
                formCommand.ExecuteNonQuery();
                connect.Close();
                MessageBox.Show("Record has been deleted.");
                showData();
                ClearTextBoxes();
            }
            else
            {
                MessageBox.Show("No Complex Number or Complex Name filled in. Please fill in a
Complex Number and Complex Name.");
            }
        }


        // Exit button created here
        // Returns user to main menu
        private void ExitBtn_Click(object sender, EventArgs e)
        {
            this.Hide();
        }
```

```csharp
        private void Address_Load(object sender, EventArgs e)
        {

        }
    }
```

Form Customer
```csharp
public partial class Customer : Form
    {
        int ContactNumber = 0;

        // Connection String established here for later use
        public string connectionString = @"Data Source=DESKTOP-A9EC70F; Initial
Catalog=DBCtuLogistics;Integrated Security=True";
        SqlCommand formCommand = new SqlCommand();
        SqlDataAdapter adapt;

        public Customer()
        {
            InitializeComponent();
            showData();
        }

        // Method to display the data on the data grid view
        private void showData()
        {
            using (SqlConnection connect = new SqlConnection(connectionString))
            {
                connect.Open();

                DataTable Table = new DataTable();
                adapt = new SqlDataAdapter("SELECT * FROM [DBCtuLogistics].[dbo].[Customer]",
connect);
                adapt.Fill(Table);
                dataGridView1.DataSource = Table;
                connect.Close();

            }
        }
        // Method to clear the text boxes after it's been used in the create, update or delete button
        private void ClearTextBoxes()
        {
            FullNameTxtbox.Text = "";
            ContactNumberTxtBox.Text = "";
```

```csharp
            EmailTxtbox.Text = "";
        }
        // Displays the content to string on data grid view
        private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs
e)
        {
            FullNameTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[1].Value.ToString();
            ContactNumberTxtBox.Text =
dataGridView1.Rows[e.RowIndex].Cells[2].Value.ToString();
            EmailTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[3].Value.ToString();
        }
        // Create button created here
        private void CreateBtn_Click(object sender, EventArgs e)
        {
            SqlConnection connect = new SqlConnection(connectionString);
            connect.Open();

            if (FullNameTxtbox.Text != "" && ContactNumberTxtBox.Text != "" && EmailTxtbox.Text
!= "")
            {
                SqlCommand formCommand = new SqlCommand("Insert into Customer(FullName,
ContactNumber, Email) values (@Fullname, @ContactNumber, @Email)", connect);

                formCommand.Connection = connect;

                formCommand.Parameters.AddWithValue("@FullName", FullNameTxtbox.Text);
                formCommand.Parameters.AddWithValue("@ContactNumber",
ContactNumberTxtBox.Text);
                formCommand.Parameters.AddWithValue("@Email", EmailTxtbox.Text);

                formCommand.ExecuteNonQuery();
                connect.Close();
                MessageBox.Show("Your record has been saved.");

                showData();
                ClearTextBoxes();

            }
            else
            {
                MessageBox.Show("Missing some or all fields. Please fill in all the fields");
            }
        }
```

```csharp
// Read button created here
private void ReadBtn_Click(object sender, EventArgs e)
{
    SqlConnection connect = new SqlConnection(connectionString);
    formCommand.Connection = connect;

    if (ContactNumberTxtBox.Text != "")
    {
        int Find = Convert.ToInt32(ContactNumberTxtBox.Text);
        formCommand = new SqlCommand("Select FullName, ContactNumber, Email from
Customer where ContactNumber =" + Find);

        formCommand.CommandType = CommandType.Text;
        formCommand.Connection = connect;
        connect.Open();

        SqlDataReader reader = formCommand.ExecuteReader();
        reader.Read();

        FullNameTxtbox.Text = reader["FullName"].ToString();
        ContactNumberTxtBox.Text = reader["ContactNumber"].ToString();
        EmailTxtbox.Text = reader["Email"].ToString();

        connect.Close();
    }
    else
    {
        MessageBox.Show("No Contact Number entered. Please enter a Contact Number.");
    }
}
// Update button created
private void UpdateBtn_Click(object sender, EventArgs e)
{
    SqlConnection connect = new SqlConnection(connectionString);
    formCommand.Connection = connect;

    if (FullNameTxtbox.Text != "" && ContactNumberTxtBox.Text != "" && EmailTxtbox.Text
!= "")
    {
        formCommand = new SqlCommand("update Customer set FullName=@FullName,
ContactNumber=@ContactNumber, Email=@Email where ContactNumber=@ContactNumber",
connect);
        formCommand.Connection = connect;
        connect.Open();
```

```csharp
            formCommand.Parameters.AddWithValue("@FullName", FullNameTxtbox.Text);
            formCommand.Parameters.AddWithValue("@ContactNumber",
ContactNumberTxtBox.Text);
            formCommand.Parameters.AddWithValue("@Email", EmailTxtbox.Text);
            formCommand.ExecuteNonQuery();
            MessageBox.Show("Your record has been updated");
            connect.Close();
            showData();
            ClearTextBoxes();


        }
        else
        {
            MessageBox.Show("No record selected. Please select a record update with Contact
Number.");
        }
    }
    // Delete button created
    private void DeleteBtn_Click(object sender, EventArgs e)
    {
        SqlConnection connect = new SqlConnection(connectionString);
        formCommand.Connection = connect;

        ContactNumber = Convert.ToInt32(ContactNumberTxtBox.Text);
        if (ContactNumber != 0)
        {
            formCommand = new SqlCommand("delete Customer where ContactNumber =
@ContactNumber", connect);
            connect.Open();
            formCommand.Parameters.AddWithValue("@ContactNumber", ContactNumber);
            formCommand.ExecuteNonQuery();
            connect.Close();
            MessageBox.Show("Record has been deleted.");
            showData();
            ClearTextBoxes();
        }
        else
        {
            MessageBox.Show("No record selected. Select a record to delete with Contact
Number.");
        }
    }
```

```csharp
        // Exit button created here
        // Returns user to main menu
        private void Exit_Click(object sender, EventArgs e)
        {
            this.Hide();
        }

        private void Customer_Load(object sender, EventArgs e)
        {

        }
    }
```

Form Freight
```csharp
    public partial class Freight : Form
    {
        int CustomerNumber = 0;

        // Connecton string established here for later use
        public string connectionString = @"Data Source=DESKTOP-A9EC70F; Initial
Catalog=DBCtuLogistics;Integrated Security=True";
        SqlCommand formCommand = new SqlCommand();
        SqlDataAdapter adapt;

        public Freight()
        {
            InitializeComponent();
            ComboBoxItems();
            showData();
        }

        // Method to add items to combo box
        private void ComboBoxItems()
        {
            StatusCombox.Items.Add("Delivered");
            StatusCombox.Items.Add("Not Delivered");
            StatusCombox.Items.Add("En Route");
        }

        // Method to show data from database in data grid view
        private void showData()
        {
            using (SqlConnection connect = new SqlConnection(connectionString))
            {
```

```csharp
            connect.Open();

            DataTable Table = new DataTable();
            adapt = new SqlDataAdapter("SELECT * FROM [DBCtuLogistics].[dbo].[Freight]",
connect);
            adapt.Fill(Table);
            dataGridView1.DataSource = Table;
            connect.Close();

        }
    }
    // Method to clear all text boxes after use
    private void ClearTextBoxes()
    {
        CustomerNmbrTxtbox.Text = "";
        HeightTxtbox.Text = "";
        LengthTxtbox.Text = "";
        WeightTxtbox.Text = "";
        DestinationTxtbox.Text = "";
        OriginAddressTxtbox.Text = "";
        StatusCombox.Text = "Status:";
    }

    // Displays the content to string on data grid view
    private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs
e)
    {
        CustomerNmbrTxtbox.Text =
dataGridView1.Rows[e.RowIndex].Cells[1].Value.ToString();
        HeightTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[2].Value.ToString();
        LengthTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[3].Value.ToString();
        WeightTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[4].Value.ToString();
        DestinationTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[5].Value.ToString();
        StatusCombox.Text = dataGridView1.Rows[e.RowIndex].Cells[6].Value.ToString();
        OriginAddressTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[7].Value.ToString();
        DatePicker.Text = dataGridView1.Rows[e.RowIndex].Cells[8].Value.ToString();
    }

    // Create button created here
    private void CreateBtn_Click(object sender, EventArgs e)
    {
        SqlConnection connect = new SqlConnection(connectionString);
        connect.Open();
```

```csharp
        if (CustomerNmbrTxtbox.Text != "" && HeightTxtbox.Text != "" && LengthTxtbox.Text !=
"" && WeightTxtbox.Text != "" && DestinationTxtbox.Text != "" && OriginAddressTxtbox.Text !=
"")
        {
            SqlCommand formCommand = new SqlCommand("Insert into
Freight(CustomerNumber, Height, Weight, Lenght, DestinationAddressId, StatusId,
OriginAddressId, Date) values (@CustomerNumber, @Height, @Weight, @Length,
@DestinationAddressId, @StatusId, @OriginAddressId, @Date)", connect);

            formCommand.Connection = connect;

            formCommand.Parameters.AddWithValue("@CustomerNumber",
CustomerNmbrTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Height", HeightTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Length", LengthTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Weight", WeightTxtbox.Text);
            formCommand.Parameters.AddWithValue("@DestinationAddressId",
DestinationTxtbox.Text);
            formCommand.Parameters.AddWithValue("@StatusId",
StatusCombox.GetItemText(StatusCombox.SelectedItem));
            formCommand.Parameters.AddWithValue("@OriginAddressId",
OriginAddressTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Date", DatePicker.Text);

            formCommand.ExecuteNonQuery();
            connect.Close();
            MessageBox.Show("Your record has been saved.");

            showData();
            ClearTextBoxes();

        }
        else
        {
            MessageBox.Show("Missing some or all fields. Please fill in all the fields");
        }
    }

    // Read button created here
    private void ReadBtn_Click(object sender, EventArgs e)
    {
        SqlConnection connect = new SqlConnection(connectionString);
        formCommand.Connection = connect;
```

```csharp
        if (CustomerNmbrTxtbox.Text != "")
        {
            int Find = Convert.ToInt32(CustomerNmbrTxtbox.Text);
            formCommand = new SqlCommand("Select CustomerNumber, Height, Weight,
Lenght, DestinationAddressId, StatusId, OriginAddressId, Date from Freight where
CustomerNumber =" + Find);

            formCommand.CommandType = CommandType.Text;
            formCommand.Connection = connect;
            connect.Open();

            SqlDataReader reader = formCommand.ExecuteReader();
            reader.Read();

            CustomerNmbrTxtbox.Text = reader["CustomerNumber"].ToString();
            HeightTxtbox.Text = reader["Height"].ToString();
            LengthTxtbox.Text = reader["Length"].ToString();
            WeightTxtbox.Text = reader["Weight"].ToString();
            DestinationTxtbox.Text = reader["DestinationAddressId"].ToString();
            StatusCombox.Text = reader["StatusId"].ToString();
            OriginAddressTxtbox.Text = reader["OriginAddressId"].ToString();
            DatePicker.Text = reader["Date"].ToString();

            connect.Close();

        }
        else
        {
            MessageBox.Show("No Customer Number entered. Please enter a Customer
Number.");
        }
    }

    // Update button created here
    private void UpdateBtn_Click(object sender, EventArgs e)
    {
        SqlConnection connect = new SqlConnection(connectionString);
        formCommand.Connection = connect;

        if (CustomerNmbrTxtbox.Text != "" && HeightTxtbox.Text != "" && LengthTxtbox.Text !=
"" && WeightTxtbox.Text != "" && DestinationTxtbox.Text != "" && OriginAddressTxtbox.Text !=
"")
        {
```

```
            formCommand = new SqlCommand("update Freight set
CustomerNumber=@CustomerNumber, Height=@Height, Lenght=@Length, Weight=@Weight,
DestinationAddressId=@DestinationAddressId, StatusId=@StatusId,
OriginAddressId=@OriginAddressId, Date=@Date where
CustomerNumber=@CustomerNumber", connect);
            formCommand.Connection = connect;
            connect.Open();

            formCommand.Parameters.AddWithValue("@CustomerNumber",
CustomerNmbrTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Height", HeightTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Length", LengthTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Weight", WeightTxtbox.Text);
            formCommand.Parameters.AddWithValue("@DestinationAddressId",
DestinationTxtbox.Text);
            formCommand.Parameters.AddWithValue("@StatusId",
StatusCombox.GetItemText(StatusCombox.SelectedItem));
            formCommand.Parameters.AddWithValue("@OriginAddressId",
OriginAddressTxtbox.Text);
            formCommand.Parameters.AddWithValue("@Date", DatePicker.Text);


            formCommand.ExecuteNonQuery();
            MessageBox.Show("Your record has been updated");
            connect.Close();
            showData();
            ClearTextBoxes();

        }
        else
        {
            MessageBox.Show("No record selected. Please select a record update with Customer
Number.");
        }
    }

    // Delete button created here
    private void DeleteBtn_Click(object sender, EventArgs e)
    {
        SqlConnection connect = new SqlConnection(connectionString);
        formCommand.Connection = connect;

        CustomerNumber = Convert.ToInt32(CustomerNmbrTxtbox.Text);
```

```csharp
            if (CustomerNumber != 0)
            {
                formCommand = new SqlCommand("delete Freight where CustomerNumber =
@CustomerNumber", connect);
                connect.Open();
                formCommand.Parameters.AddWithValue("@CustomerNumber", CustomerNumber);
                formCommand.ExecuteNonQuery();
                connect.Close();
                MessageBox.Show("Record has been deleted.");
                showData();
                ClearTextBoxes();
            }
            else
            {
                MessageBox.Show("No record selected. Select a record to delete with Customer
Number.");
            }
        }

        // Exit button created here
        private void ExitBtn_Click(object sender, EventArgs e)
        {
            this.Hide();
        }

        private void Freight_Load(object sender, EventArgs e)
        {

        }
    }
```

Form Driver
```csharp
public partial class Driver : Form
    {
        string RadioButtonTest;

        // Connection String established here for later use
        public string connectionString = @"Data Source=DESKTOP-A9EC70F; Initial
Catalog=DBCtuLogistics;Integrated Security=True";
        SqlCommand formCommand = new SqlCommand();
        SqlDataAdapter adapt;

        public Driver()
        {
```

```csharp
            InitializeComponent();
            ComboBoxItems();
            showData();
        }
        // Method to display the data on the data grid view
        private void showData()
        {
            using (SqlConnection connect = new SqlConnection(connectionString))
            {
                connect.Open();

                DataTable Table = new DataTable();
                adapt = new SqlDataAdapter("SELECT * FROM [DBCtuLogistics].[dbo].[Driver]",
connect);
                adapt.Fill(Table);
                dataGridView1.DataSource = Table;
                connect.Close();

            }
        }
        // Method to clear the text boxes after it's been used in the create, update or delete button
        private void ClearTextBoxes()
        {
            FullNameTxtbox.Text = "";
            LicenseTypeCombox.Text = "";
            YesRadioBtn.Checked = false;
            NoRadioBtn.Checked = false;
        }
        // Method to add combo box items to combo box
        private void ComboBoxItems()
        {
            LicenseTypeCombox.Items.Add("Code 1");
            LicenseTypeCombox.Items.Add("Code 2");
            LicenseTypeCombox.Items.Add("Code 3");
        }

        // // Displays the content to string on data grid view
        private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs
e)
        {
            FullNameTxtbox.Text = dataGridView1.Rows[e.RowIndex].Cells[1].Value.ToString();
            LicenseTypeCombox.Text = dataGridView1.Rows[e.RowIndex].Cells[2].Value.ToString();
        }
```

```csharp
// Create button created here
private void CreateBtn_Click(object sender, EventArgs e)
{
    SqlConnection connect = new SqlConnection(connectionString);
    connect.Open();

    if (FullNameTxtbox.Text != "" && LicenseTypeCombox.Text != "")
    {
        SqlCommand formCommand = new SqlCommand("Insert into Driver(FullName,
LicenseType, Owner) values (@Fullname, @LicenseType, @Owner)", connect);

        formCommand.Connection = connect;

        formCommand.Parameters.AddWithValue("@FullName", FullNameTxtbox.Text);
        formCommand.Parameters.AddWithValue("@LicenseType",
LicenseTypeCombox.GetItemText(LicenseTypeCombox.SelectedItem));

        if (YesRadioBtn.Checked)
            formCommand.Parameters.AddWithValue("@Owner", "Yes");
        else
            formCommand.Parameters.AddWithValue("@Owner", "No");

        formCommand.ExecuteNonQuery();
        connect.Close();
        MessageBox.Show("Your record has been saved.");

        showData();
        ClearTextBoxes();

    }
    else
    {
        MessageBox.Show("Missing some or all fields. Please fill in all the fields");
    }

}

// Read button created here
private void ReadBtn_Click(object sender, EventArgs e)
{
    SqlConnection connect = new SqlConnection(connectionString);
    formCommand.Connection = connect;

    if (FullNameTxtbox.Text != "")
```

```csharp
    {
        formCommand = new SqlCommand("Select FullName, LicenseType, Owner from
Driver where FullName=@FullName", connect);

        formCommand.CommandType = CommandType.Text;
        formCommand.Connection = connect;
        connect.Open();

        formCommand.Parameters.AddWithValue("@FullName", FullNameTxtbox.Text);

        SqlDataReader reader = formCommand.ExecuteReader();
        reader.Read();

        FullNameTxtbox.Text = reader["FullName"].ToString();
        LicenseTypeCombox.Text = reader["LicenseType"].ToString();
        RadioButtonTest = reader["Owner"].ToString();

        if (RadioButtonTest == "Yes")
        {
            YesRadioBtn.Checked = true;
        }
        else
        {
            NoRadioBtn.Checked = true;
        }

        connect.Close();
    }
    else
    {
        MessageBox.Show("No Full Name entered. Please enter a Full Name.");
    }
}

// Update button created here
private void UpdateBtn_Click(object sender, EventArgs e)
{
    SqlConnection connect = new SqlConnection(connectionString);
    formCommand.Connection = connect;

    if (FullNameTxtbox.Text != "" && LicenseTypeCombox.Text != "")
    {
        formCommand = new SqlCommand("update Driver set FullName=@FullName,
LicenseType=@LicenseType, Owner=@Owner where FullName=@FullName", connect);
```

```csharp
            formCommand.Connection = connect;
            connect.Open();

            formCommand.Parameters.AddWithValue("@FullName", FullNameTxtbox.Text);
            formCommand.Parameters.AddWithValue("@LicenseType",
LicenseTypeCombox.Text);

                if (YesRadioBtn.Checked)
                    formCommand.Parameters.AddWithValue("@Owner", "Yes");
                else
                    formCommand.Parameters.AddWithValue("@Owner", "No");

                formCommand.ExecuteNonQuery();
                MessageBox.Show("Your record has been updated");
                connect.Close();
                showData();
                ClearTextBoxes();

            }
            else
            {
                MessageBox.Show("No record selected. Please select a record update with Full
Name.");
            }
        }

        // Delete button created here
        private void DeleteBtn_Click(object sender, EventArgs e)
        {
            SqlConnection connect = new SqlConnection(connectionString);
            formCommand.Connection = connect;

            if (FullNameTxtbox.Text != "")
            {
                formCommand = new SqlCommand("delete Driver where FullName = @FullName",
connect);
                connect.Open();
                formCommand.Parameters.AddWithValue("@FullName", FullNameTxtbox.Text);
                formCommand.ExecuteNonQuery();
                connect.Close();
                MessageBox.Show("Record has been deleted.");
                showData();
                ClearTextBoxes();
            }
```

```csharp
            else
            {
                MessageBox.Show("No Full Name entered. Enter a Full Name to delete a row.");
            }
        }


        // Exit button created here
        // Returns user to main menu
        private void ExitBtn_Click(object sender, EventArgs e)
        {
            this.Hide();
        }


        private void Driver_Load(object sender, EventArgs e)
        {

        }
    }
```

Form Status
```csharp
    public partial class Status : Form
    {
        public Status()
        {
            InitializeComponent();
        }


        // Create button created here in order to
        // Create a new text file
        private void CreateBtn_Click(object sender, EventArgs e)
        {
            string TextFile = "status.txt";
            using (StreamWriter write = File.CreateText(TextFile))
            {
                write.WriteLine("Status ID: " + StatusIDTxtbox.Text);
                write.WriteLine("Driver ID: " + DriverIDTxtbox.Text);
                write.WriteLine("Picked up: " + dateTimePicker1.Text);
                write.WriteLine("Delivered: " + dateTimePicker2.Text);
                MessageBox.Show("File created successfully.");
            }
        }
        // Read button created here to read the text
        // File in a textbox
        private void ReadBtn_Click(object sender, EventArgs e)
```
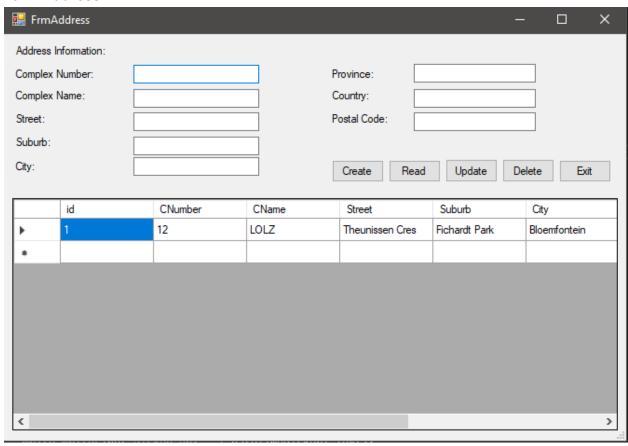
```csharp
{
    string TextFile = "status.txt";
    if (File.Exists(TextFile))
    {
        using (StreamReader read = File.OpenText(TextFile))
        {
            string FullText = File.ReadAllText(TextFile);
            displayText.Text = FullText;
        }
    }
    else
    {
        MessageBox.Show("File not found or not created yet!");
    }
}

// Update button created here which updates all
// Information inside of the text file
private void UpdateBtn_Click(object sender, EventArgs e)
{
    string TextFile = "status.txt";
    if (File.Exists(TextFile))
    {
        using (StreamWriter write = File.CreateText(TextFile))
        {
            write.WriteLine("Status ID: " + StatusIDTxtbox.Text);
            write.WriteLine("Driver ID: " + DriverIDTxtbox.Text);
            write.WriteLine("Picked up: " + dateTimePicker1.Text);
            write.WriteLine("Delivered: " + dateTimePicker2.Text);
            MessageBox.Show("File updated sucessfully.");
        }
    }
    else
    {
        MessageBox.Show("No file to update. Create a file first.");
    }
}

// Delete button created here that deletes all information
// Insides of the text file, but it does not delete the
// The text file itself
private void DeleteBtn_Click(object sender, EventArgs e)
{
    string TextFile = "status.txt";
```

```csharp
            if (File.Exists(TextFile))
            {
                using (StreamWriter write = File.CreateText(TextFile))
                {
                    write.WriteLine("");
                    MessageBox.Show("Text deleted successfully.");
                }
            }
            else
            {
                MessageBox.Show("No file to delete. Create a file first.");
            }
        }

        // Exit button created here that returns the user to the
        // Main Menu
        private void ExitBtn_Click(object sender, EventArgs e)
        {
            this.Hide();
        }

        private void Status_Load(object sender, EventArgs e)
        {

        }
    }
```
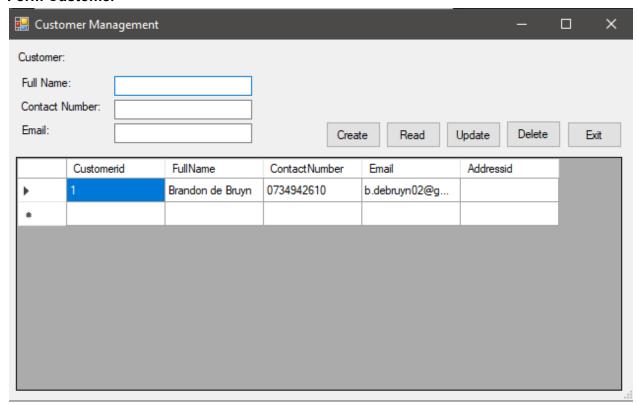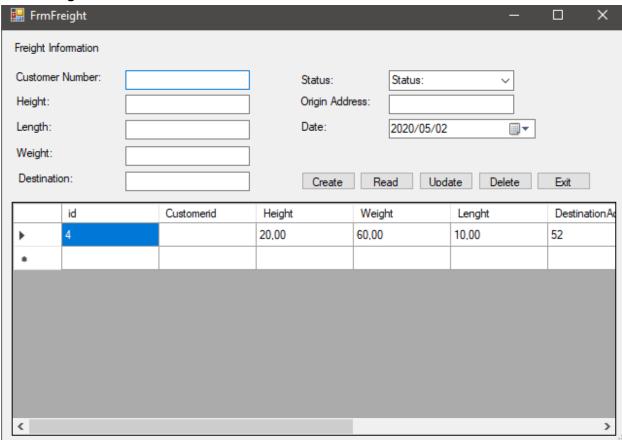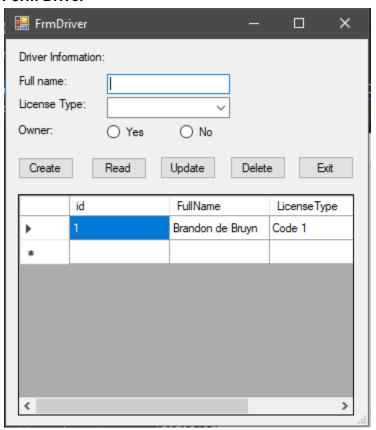
SCREENSHOTS:

Form Address

Form Customer

Form Freight

Form Driver

Form Status