



ISDS 309

F A L L 2 0 - S 8 0

DMV CarShop PROJECT

Team Name: DMV

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SHOP. CLICK. DRIVE.



Project Summary

Our project allows a user to purchase vehicles. The user can select the make, model, VIN number, and the price. Next, the user has the option to add the selected car to their shopping cart. The user also can remove the car out of the shopping cart. When the user is ready to check out, they click “check out,” and they are prompted to fill out their billing address and payment method. Last, the user clicks “Print Receipt,” and this opens their receipt for their purchase.

DMV Car Shop Application Description

Team Name: DMV

Write a GUI program named **DMVCarShop** that allows a user to order a car on application.

1. Application car read file: DMVcarshop.txt.

File DMVcarshop.txt contains make, model, VIN number and price.

Examples:

BMW,3-Series-340i,WBAEV33412KL74726,35000.00

LEXUS,ES-350,JTHBK262365016114,39900.00

Audi,A3,WAUKGAFL8AA022171,33700.00

Audi,A8,WAUGFBFC7FN005716,89700.00

Porsche,Cayenne,WP1AD29PX9LA64805,67500.00

Cadillac,Escalade,3GYEK63N43G0004EX,76800.00

In car finder, there are four search boxes.

First box: Make

Second box: Model

Third box: VIN Number

Fourth box: Price

2. Click on search once you have filled each box. That car will show up in the Car List box.
The content will show on one line.

For example: Audi,A3,WAUKGAFL8AA022171,33700.00

3. User can “Add to Cart” or “Remove from Cart”.

Add to cart: user will select a car from car list to add to shopping cart.

Remove from cart: user can remove a car from shopping cart.

4. Checkout: User must select a car from the shopping cart. When user clicks “Check Out” a message box appears.
5. Billing Address: Ask the user for the customer’s information.
 - A. First and Last Name
 - B. Address and city
 - C. Zip code and state.

Condition: security code accepts only three numbers. If user enters over or under three numbers, a message box with an error message will appear.

6. Method payment:

Credit Card:

1. Asks the user for their credit card number
1. Asks the user for their card’s month and year expiration
2. Asks the user for their card’s security code number

Condition:

Credit card number must contain 16 digits

First 4 digits must begin with 4147, 4266, 4342, 4347, 4427, and 4525

Month accepts numbers from 1 to 12

Year must be greater than 2020.

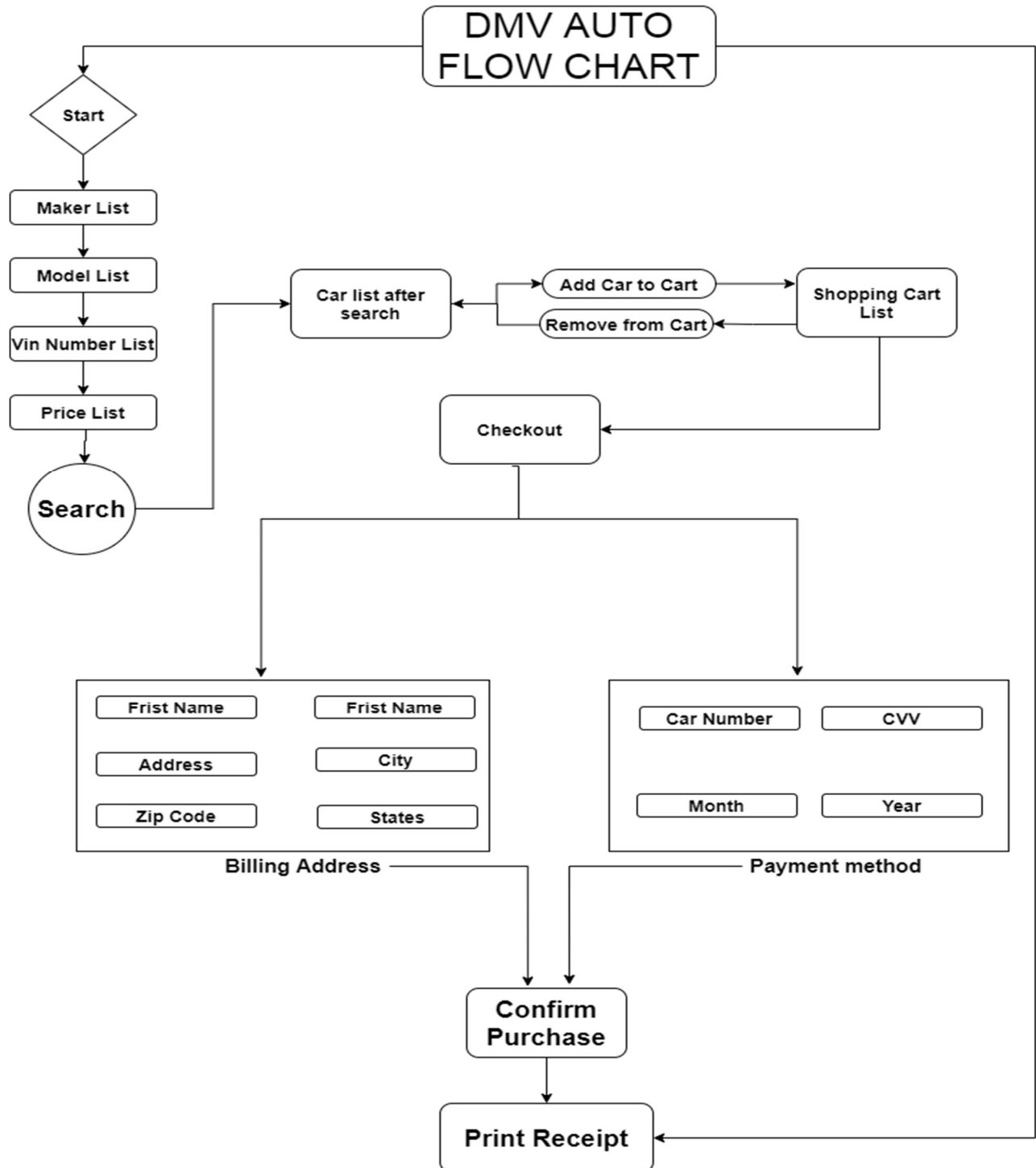
Security code accepts only three digits.

7. Print Receipt:

1. Create a receipt form
2. Show customer’s information, items and

3. Credit card just show last 4 digits number
8. Sales log is an external output file which keeps records transaction during day by day

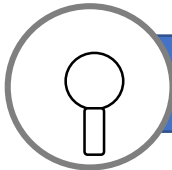
Flow chart:



DMV Car Shop User Guide

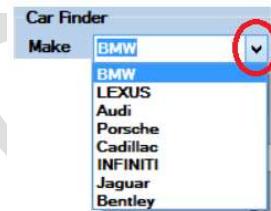
Team Name: DMV

DMV CarShop welcomes all clients. We are happy to assist you in finding your car at DMV Auto. Please follow the step-by-step guide below for ordering a car.

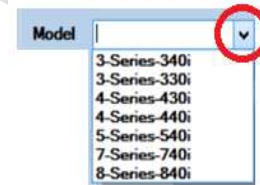


Search a Car

Step 1: Click the arrow beside the “**Make**” Box to select a make of a vehicle.



Step 2: Click the arrow beside the “**Model**” Box to select a model specific to the make.



Step 3: Click the arrow beside “**Price**” Box to select the price.



Step 4: Click on the **Search** button. Your cars will show up in the car list.



Car's information

Car list	
BMW 3-Series-340i	WBAEV33412KL74726 35000.00
Audi A3	WAUKGAFL8AA022171 33700.00
Cadillac XT6	1GYS3EEJ1CR142608 48000.00
LEXUS ES-350	JTHBK262365016114 39900.00

Step 5: Select a car then add it to the shopping Cart.



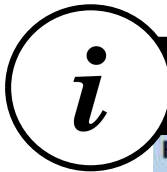
Add a Car to Shopping Cart

Shopping Cart	
BMW 3-Series-340i WBAEV33412KL74726	35000.00
Cadillac XT6 1GYS3EEJ1CR142608	48000.00
LEXUS ES-350 JTHBK262365016114	39900.00

Step 6: Client can remove a car from the shopping cart by selecting a car and clicking “**Remove from Cart**”

Step 7: Click on the “**checkout**” button to check out

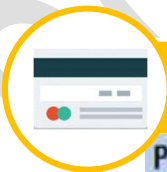
Step 8: Client will then fill out their information into the boxes below.



Fill information

Billing Address:	
First Name	Last Name
<input type="text" value="John"/>	<input type="text" value="Smith"/>
Address:	City
<input type="text" value="323 Bettes Place"/>	<input type="text" value="Garden Grove"/>
Zip Code	States
<input type="text" value="92840"/>	<input type="text" value="CA"/>

Step 9: Client will fill out their credit card, CVV, month, and year into form below.



Add Credit Card

Payment Method:		
Card Number >>	<input type="text" value="4147456778903456"/>	
Month(MM)	Year(YYYY)	Security Code
<input type="text" value="11"/>	<input type="text" value="2023"/>	<input type="text" value="234"/>
<input type="button" value="Confirm Purchase"/>		

Step 10: Click on “**Confirm Purchase**” button. If bank information is correct, system will show a message “**Thank you for your purchase**” as well as write the transaction information to the external file named “Saleslogs” to keep the record.

SalesLog - Notepad
File Edit Format View Help

nvq, vnpqnjn
Date and Time of Purchase: 12/8/2020 9:46:16 PM
Porsche Panamera, 87200.00

ivy, ohln
Date and Time of Purchase: 12/8/2020 9:50:20 PM
Audi Q5, 48300.00

tim, jerry
Date and Time of Purchase: 12/8/2020 9:52:27 PM
INFINITI Q50, 41700.00

jhgkjk, ghkghjk
Date and Time of Purchase: 12/8/2020 9:55:46 PM
LEXUS ES-350H, 45500.00

theoror, ionovo
Date and Time of Purchase: 12/8/2020 9:59:33 PM

Porsche Macan WPoAA2A9oHS1o6o99 52000.00
Porsche Cayenne WPoAA2A7oGLo0o646 67500.00

nvqn, nvqnpnv
Date and Time of Purchase: 12/8/2020 10:12:32 PM

Porsche Panamera WPoAA2A7oGLo0o646 87000.000

jimmy, thetcher
Date and Time of Purchase: 12/8/2020 10:36:04 PM

Step 11: Click on icon “**print receipt**” in right corner to get the receipt form and the external file for receipt to keep record.

DMV AUTO SHOP

Address: 235 N Euclid St, Santa Ana, CA 92703

Phone Number: (714) 800 07 Email: dmvonline@dmvauto.com

Transaction Invoice

***** CUSTOMER RECEIPT *****

Date: 12/10/2020 8:15:31 PM

Customer's Name: Will Smith

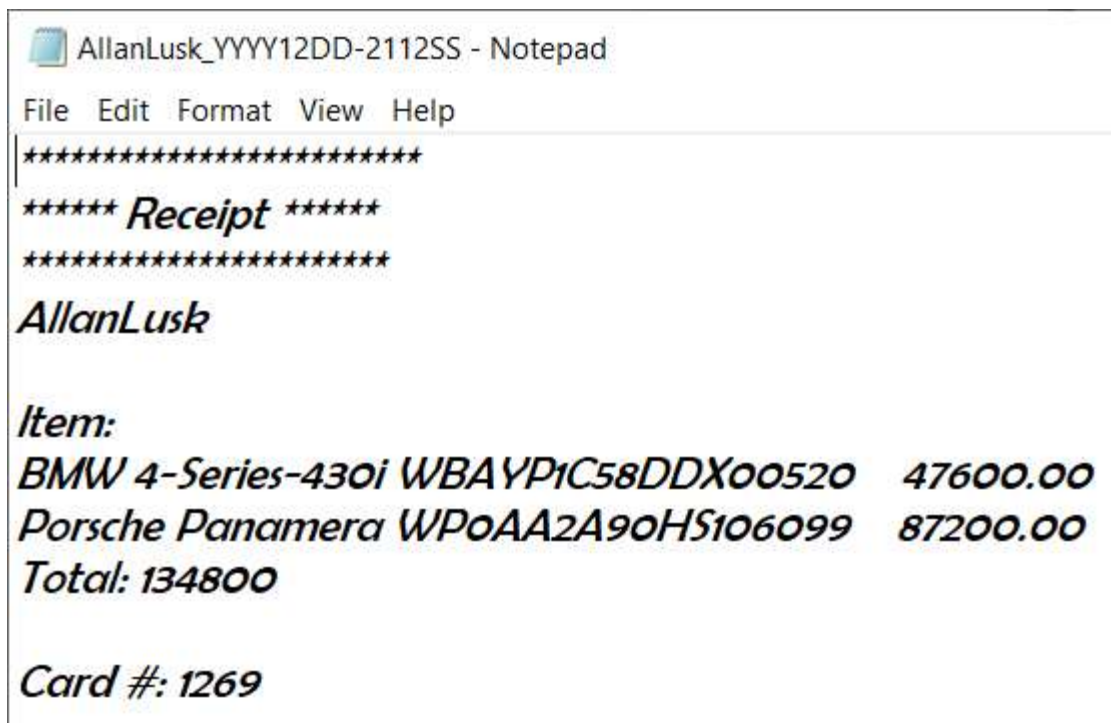
Address: 452 Lancaster ave West Hills MO 91305

Items:

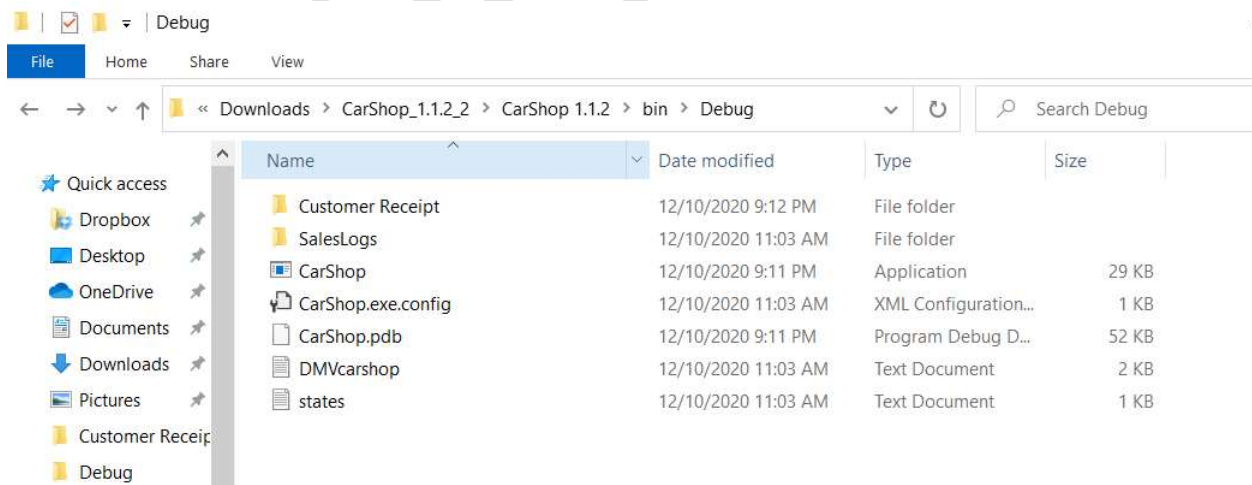
Porsche Panamera WP0AA2A90HS106099 87200.00

Card: 3658

Exit



These two external files will be saved in “**Customer Receipt**” folder for keeping the customers’ receipts and “**SalesLogs**” folder for keeping the “**saleslogs.txt**”



Step 12: Click on the button “**Exit**” to close the program. Transaction is done.

Main Form

DMV Auto

Car Finder

Make

Model

Vin

Price

Search

Car list

list_car

Add to Cart

Remove from Cart

Shopping Cart

list_checkout

Check out

Billing Address:

First Name

Last Name

Address:

City

Zip Code

States

Payment Method:

Card Number >>

Month(MM) Year(YYYY) CVV

Print Receipt

Confirm Purchase

Form1.cs

```
using System;
using System.Windows.Forms;
using System.IO;
using System.Collections.Generic;
using System.Text.RegularExpressions; //represents an immutable regular expression

namespace CarShop
{
    public partial class Form1 : Form
    {
        public static string ValueFirstName = "";
        public static string ValueLastName = "";
        public static string ValueAddress = "";
        public static string ValueCity = "";
        public static string States = "";
        public static string ZipCode = "";
        public static string ListTotal = "";
        public static double totalPrice = 0.0;
        public static string CreditCard = "";
        public static bool isConfirm = false;

        const string SALESLOG = @"SalesLogs\SalesLog.txt";

        static FileStream outFile = new FileStream(SALESLOG, FileMode.Append,
        FileAccess.Write);
        StreamWriter writer = new StreamWriter(outFile);
        public Form1()
        {
            InitializeComponent();
        }
    }
}
```

```

        MessageBox.Show("Welcome to DMV Auto Sales!");
    }
    const string FileName = "DMVcarshop.txt";
    const char COMMA = ',';
    const int ROWS = 40;
    const int COLS = 4;

    int row;

    string recordln;
    string[] fields;

    string[,] carShop = new string[ROWS, COLS];

    private string cardNo { get; set; }

    private void Form1_Load(object sender, EventArgs e)
    {
        FileStream inFile = new FileStream(FileName, FileMode.Open, FileAccess.Read);
        StreamReader reader = new StreamReader(inFile);

        recordln = reader.ReadLine();

        //Add value to the array carshop
        while (recordln != null)
        {
            fields = recordln.Split(COMMA);

            carShop[row, 0] = fields[0];
            carShop[row, 1] = fields[1];
            carShop[row, 2] = fields[2];
            carShop[row, 3] = fields[3];

            recordln = reader.ReadLine();
            row++;
        }

        //Add value for the combo box
        for (row = 0; row < ROWS; row++)
        {
            if (!cb_make.Items.Contains(carShop[row, 0]))
            {
                cb_make.Items.Add(carShop[row, 0]);
            }
            if (!cb_model.Items.Contains(carShop[row, 1]))
            {
                cb_model.Items.Add(carShop[row, 1]);
            }
            if (!cb_vin.Items.Contains(carShop[row, 2]))
            {
                cb_vin.Items.Add(carShop[row, 2]);
            }
            if (!cb_price.Items.Contains(carShop[row, 3]))
            {
                cb_price.Items.Add(carShop[row, 3]);
            }
        }
    }

```

```

        //read and add states in combobox states
        string path = "states.txt";
        string[] lines = File.ReadAllLines(path);
        string[] word;
        foreach (string line in lines)
        {
            word = line.Split(COMMA);
            list_states.Items.AddRange(word);
        }
        reader.Close();
        inFile.Close();
    }

    private void btn_search_Click(object sender, EventArgs e)
    {
        if (cb_make.SelectedItem != null && cb_model.SelectedItem != null &&
            cb_price.SelectedItem != null && cb_vin.SelectedItem != null)
        {
            list_car.Items.Add(cb_make.Text + " " + cb_model.Text + " " + cb_vin.Text
+ " " + cb_price.Text);
            cb_make.Text = "";
            cb_model.Text = "";
            cb_vin.Text = "";
            cb_price.Text = "";
        }
        else
        {
            MessageBox.Show("Error! Please fill in all options");
        }
    }

    private void cb_model_SelectedIndexChanged(object sender, EventArgs e)
    {
        cb_price.Items.Clear();

        //filters the model and price when the user chooses make
        for (row = 0; row < ROWS; row++)
        {
            if (carShop[row, 1] == cb_model.SelectedItem.ToString())
            {
                if (!cb_vin.Items.Contains(carShop[row, 2]))
                {
                    cb_vin.Items.Add(carShop[row, 2]);
                }
                if (!cb_price.Items.Contains(carShop[row, 3]))
                {
                    cb_price.Items.Add(carShop[row, 3]);
                }
            }
        }
    }

    private void cb_make_SelectedIndexChanged(object sender, EventArgs e)
    {
        cb_model.Items.Clear();
        cb_vin.Items.Clear();
        cb_price.Items.Clear();
    }

```

```

//filter to model and price when user chooses make
for (row = 0; row < ROWS; row++)
{
    if (carShop[row, 0] == cb_make.SelectedItem.ToString())
    {
        if (!cb_model.Items.Contains(carShop[row, 1]))
        {
            cb_model.Items.Add(carShop[row, 1]);
        }
        if (!cb_vin.Items.Contains(carShop[row, 2]))
        {
            cb_vin.Items.Add(carShop[row, 2]);
        }
        if (!cb_price.Items.Contains(carShop[row, 3]))
        {
            cb_price.Items.Add(carShop[row, 3]);
        }
    }
}

private void btn_addcart_Click(object sender, EventArgs e)
{
    int i = 0;
    //moves car from car list to shopping cart
    if (list_car.SelectedIndex == -1)
    {
        MessageBox.Show("You haven't selected any car yet");
        return;
    }

    list_checkout.Items.Add(list_car.SelectedItem);

    i = list_car.SelectedIndex;
    list_car.Items.RemoveAt(i);
}

private void btn_checkout_Click(object sender, EventArgs e)
{
    //moves car from shopping cart to list total
    /*list_total.Items.Add(list_checkout.SelectedItem);
    int i = 0;
    i = list_checkout.SelectedIndex;
    list_checkout.Items.RemoveAt(i);*/

    MessageBox.Show("Please enter your information for checkout");
    txt_firstName.Focus();
}

private void btn_confirm_Click(object sender, EventArgs e)
{
    const int ZIP_CODE_LEN = 5;
    if (list_checkout.Items.Count == 0)
    {
        MessageBox.Show("Nothing is in your shopping cart");
        return;
    }
    string firstName = txt_firstName.Text;

```

```

string lastname = txt_lastName.Text ;
string address = txt_address.Text ;
string city = txt_city.Text;
string zipCode = txt_zipcode.Text;
string state;

if (firstName == "")
{
    MessageBox.Show("Please enter your first name");
    return;
}
if (lastname == "")
{
    MessageBox.Show("Please enter your last name");
    return;
}
if (address == "")
{
    MessageBox.Show("Please enter your address");
    return;
}
if (city == "")
{
    MessageBox.Show("Please enter your city");
    return;
}
if (zipCode == "")
{
    MessageBox.Show("Please enter your zipcode");
    return;
}
if (zipCode.Length != ZIP_CODE_LEN)
{
    MessageBox.Show("Please enter your zipcode");
    return;
}
if (list_states.SelectedItem != null)
{
    state = list_states.SelectedItem.ToString();
}
else
{
    MessageBox.Show("Please select the state");
    return;
}

cardNo = txt_cardInput.Text;
string cvv = txt_seCode.Text;

var cardCheck = new Regex(@"^(4147|4266|4342|4347|4427|4525)([-\s]?[0-9]{4}){3}$"); // set first 4-digits credit card number
var monthCheck = new Regex(@"^(0[1-9]|1[0-2])$");

var yearCheck = new Regex(@"^20\d{2}$"); //get YYYY from (2020-2099)
var cvvCheck = new Regex(@"^\d{3}$");

if (!cardCheck.IsMatch(cardNo))
{ // <1>check card number is valid

```

```

with"
        MessageBox.Show("Incorrect! Please try again. Your card should be start
            + "\n 4147,4266,4342,4347,4427,4525");
        return;
    }

    if (!cvvCheck.IsMatch(cvv))
    { // <2>check cvv is valid as "999"
        MessageBox.Show("Incorrect CVV");
        return;
    }
    int year;
    if (txt_year.Text != "")
    {
        year = int.Parse(txt_year.Text);
    }
    else
    {
        MessageBox.Show("Incorrect year");
        return;
    }
    int month;
    if (txt_month.Text != "")
    {
        month = int.Parse(txt_month.Text);
    }
    else
    {
        MessageBox.Show("Incorrect month");
        return;
    }

    int lastDateOfExpiryMonth = DateTime.DaysInMonth(year, month); //get actual
expiry date
    DateTime cardExpiry = new DateTime(year, month, lastDateOfExpiryMonth, 23,
59, 59); //23hrs 59mins 59secs
    bool isValidDate = cardExpiry > DateTime.Now && cardExpiry <
DateTime.Now.AddYears(6);
    bool isValid = Regex.Match(txt_seCode.Text, @"^\d{3}$").Success;

    if ((isValidDate == true) && (isValid == true))
    {
        MessageBox.Show("Thank you for your purchase");
        ValueFirstName = txt_firstName.Text;
        ValueLastName = txt_lastName.Text;
        ValueAddress = txt_address.Text;
        ValueCity = txt_city.Text;
        States = list_states.SelectedItem.ToString();
        ZipCode = txt_zipcode.Text;
        for (int i = 0; i < list_checkout.Items.Count; i++)
        {
            string ttt = list_checkout.Items[i].ToString();
            int n = ttt.Length;
            while (ttt[n - 1] != ' ') n--;
            string price = ttt.Substring(n);
            totalPrice += double.Parse(price);
        }
    }
}

```



```

        ListTotal += "\n" + ttt;
    }
    //ListTotal = list_checkout.SelectedItem.ToString();
    CreditCard = txt_cardInput.Text.Substring(cardNo.Length - 4);
    writer.WriteLine(ValueFirstName + ", " + ValueLastName + "\n" + "Date and
Time of Purchase: " + DateTime.Now + "\n" + ListTotal + "\nTotal: " +
totalPrice.ToString());
    writer.WriteLine();

    isConfirm = true;
}
else
{
    MessageBox.Show("Please input valid card");
    txt_firstName.Focus();
}
writer.Close();
outFile.Close();
}
private void btn_remove_Click(object sender, EventArgs e)
{
    //moves car in shopping cart back to car list
    if (list_checkout.SelectedIndex == -1)
    {
        MessageBox.Show("You haven't added any car in the shopping cart");
        return;
    }

    list_car.Items.Add(list_checkout.SelectedItem);
    int i = 0;
    i = list_checkout.SelectedIndex;
    list_checkout.Items.RemoveAt(i);
}
private void btn_end_Click(object sender, EventArgs e)
{
    if (!isConfirm)
        return;

    string subFolderName = "Customer Receipt";
    //generate an unique files name which named following First and Last
Customer's Name, and date time formatted
    string fileName = string.Format(@"{0}_{1}_{2}.txt", ValueFirstName,
ValueLastName, DateTime.Now.ToString("YYYYMMDD-HHMMSS"));
    string path = "";
    //VyVo_2020/12/08-12:45:56
    Directory.CreateDirectory(subFolderName); //create customers' receipt folder
    path = subFolderName + @"\" + fileName;
    FileStream outFile = new FileStream(path, FileMode.Create, FileAccess.Write);
//create a file customer name that followed to the format
    StreamWriter writer = new StreamWriter(outFile);
    writer.WriteLine("*****" +
        "\n***** Receipt *****" +
        "\n*****");
    writer.WriteLine(ValueFirstName + " " + ValueLastName +
        "\n\n" + "Item: " + ListTotal + "\nTotal: " +
totalPrice.ToString() + "\n\n" +
        "Card #: " + CreditCard);

```

```

        txt_firstName.Text = "";
        txt_lastName.Text = "";
        txt_address.Text = "";
        txt_city.Text = "";
        txt_zipcode.Text = "";
        list_states.SelectedItem = "";
        list_checkout.Items.Clear();
        list_car.Items.Clear();
        txt_cardInput.Text = "";
        txt_month.Text = "";
        txt_year.Text = "";
        txt_seCode.Text = "";

        writer.Close();
        outFile.Close();
        new frmReceipt().Show();
    }
}

```

Form1.Designer.cs

```

namespace CarShop
{
    partial class Form1
    {
        /// <summary>
        /// Required designer variable.
        /// </summary>
        private System.ComponentModel.IContainer components = null;

        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        /// <param name="disposing">true if managed resources should be disposed;
        otherwise, false.</param>
        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        #region Windows Form Designer generated code

        /// <summary>
        /// Required method for Designer support - do not modify
        /// the contents of this method with the code editor.
        /// </summary>
        private void InitializeComponent()
        {
            this.groupBox1 = new System.Windows.Forms.GroupBox();
            this.label11 = new System.Windows.Forms.Label();
            this.cb_vin = new System.Windows.Forms.ComboBox();
            this.lb_price = new System.Windows.Forms.Label();
            this.cb_price = new System.Windows.Forms.ComboBox();
            this.cb_model = new System.Windows.Forms.ComboBox();
        }
    }
}

```

```

this.cb_make = new System.Windows.Forms.ComboBox();
this.btn_search = new System.Windows.Forms.Button();
this.lb_model = new System.Windows.Forms.Label();
this.lb_make = new System.Windows.Forms.Label();
this.list_car = new System.Windows.Forms.ListBox();
this.btn_addcart = new System.Windows.Forms.Button();
this.list_checkout = new System.Windows.Forms.ListBox();
this.btn_checkout = new System.Windows.Forms.Button();
this.lb_shoppingcart = new System.Windows.Forms.Label();
this.groupBox2 = new System.Windows.Forms.GroupBox();
this.lbl_price = new System.Windows.Forms.Label();
this.backgroundWorker1 = new System.ComponentModel.BackgroundWorker();
this.lbl_cardNum = new System.Windows.Forms.Label();
this.txt_cardInput = new System.Windows.Forms.TextBox();
this.btn_confirm = new System.Windows.Forms.Button();
this.btn_remove = new System.Windows.Forms.Button();
this.txt_firstName = new System.Windows.Forms.TextBox();
this.txt_lastName = new System.Windows.Forms.TextBox();
this.txt_address = new System.Windows.Forms.TextBox();
this.label1 = new System.Windows.Forms.Label();
this.label2 = new System.Windows.Forms.Label();
this.label3 = new System.Windows.Forms.Label();
this.txt_month = new System.Windows.Forms.TextBox();
this.txt_seCode = new System.Windows.Forms.TextBox();
this.txt_year = new System.Windows.Forms.TextBox();
this.label4 = new System.Windows.Forms.Label();
this.label5 = new System.Windows.Forms.Label();
this.label6 = new System.Windows.Forms.Label();
this.label7 = new System.Windows.Forms.Label();
this.label8 = new System.Windows.Forms.Label();
this.label9 = new System.Windows.Forms.Label();
this.label10 = new System.Windows.Forms.Label();
this.txt_zipcode = new System.Windows.Forms.TextBox();
this.City = new System.Windows.Forms.Label();
this.txt_city = new System.Windows.Forms.TextBox();
this.list_states = new System.Windows.Forms.ComboBox();
this.btn_end = new System.Windows.Forms.Button();
this.groupBox1.SuspendLayout();
this.groupBox2.SuspendLayout();
this.SuspendLayout();
//
// groupBox1
//
this.groupBox1.Controls.Add(this.label11);
this.groupBox1.Controls.Add(this.cb_vin);
this.groupBox1.Controls.Add(this.lb_price);
this.groupBox1.Controls.Add(this.cb_price);
this.groupBox1.Controls.Add(this.cb_model);
this.groupBox1.Controls.Add(this.cb_make);
this.groupBox1.Controls.Add(this.btn_search);
this.groupBox1.Controls.Add(this.lb_model);
this.groupBox1.Controls.Add(this.lb_make);
this.groupBox1.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)0));
this.groupBox1.Location = new System.Drawing.Point(34, 9);
this.groupBox1.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
this.groupBox1.Name = "groupBox1";
this.groupBox1.Padding = new System.Windows.Forms.Padding(2, 2, 2, 2);

```

```

this.groupBox1.Size = new System.Drawing.Size(250, 211);
this.groupBox1.TabIndex = 0;
this.groupBox1.TabStop = false;
this.groupBox1.Text = "Car Finder";
//
// label11
//
this.label11.AutoSize = true;
this.label11.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.label11.Location = new System.Drawing.Point(11, 107);
this.label11.Margin = new System.Windows.Forms.Padding(2, 0, 2, 0);
this.label11.Name = "label11";
this.label11.Size = new System.Drawing.Size(31, 17);
this.label11.TabIndex = 12;
this.label11.Text = "Vin";
//
// cb_vin
//
this.cb_vin.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.cb_vin.FormattingEnabled = true;
this.cb_vin.Location = new System.Drawing.Point(58, 104);
this.cb_vin.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
this.cb_vin.Name = "cb_vin";
this.cb_vin.Size = new System.Drawing.Size(162, 23);
this.cb_vin.TabIndex = 9;
//
// lb_price
//
this.lb_price.AutoSize = true;
this.lb_price.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.lb_price.Location = new System.Drawing.Point(9, 145);
this.lb_price.Margin = new System.Windows.Forms.Padding(2, 0, 2, 0);
this.lb_price.Name = "lb_price";
this.lb_price.Size = new System.Drawing.Size(45, 17);
this.lb_price.TabIndex = 10;
this.lb_price.Text = "Price";
//
// cb_price
//
this.cb_price.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.cb_price.FormattingEnabled = true;
this.cb_price.Location = new System.Drawing.Point(58, 141);
this.cb_price.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
this.cb_price.Name = "cb_price";
this.cb_price.Size = new System.Drawing.Size(127, 23);
this.cb_price.TabIndex = 10;
//
// cb_model
//
this.cb_model.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.cb_model.FormattingEnabled = true;
this.cb_model.Location = new System.Drawing.Point(60, 64);
this.cb_model.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);

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        this.cb_model.Name = "cb_model";
        this.cb_model.Size = new System.Drawing.Size(127, 23);
        this.cb_model.TabIndex = 8;
        this.cb_model.SelectedIndexChanged += new
System.EventHandler(this.cb_model_SelectedIndexChanged);
        //
        // cb_make
        //
        this.cb_make.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)0));
        this.cb_make.FormattingEnabled = true;
        this.cb_make.Location = new System.Drawing.Point(60, 25);
        this.cb_make.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
        this.cb_make.Name = "cb_make";
        this.cb_make.Size = new System.Drawing.Size(127, 23);
        this.cb_make.TabIndex = 7;
        this.cb_make.SelectedIndexChanged += new
System.EventHandler(this.cb_make_SelectedIndexChanged);
        //
        // btn_search
        //
        this.btn_search.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)0));
        this.btn_search.Location = new System.Drawing.Point(62, 173);
        this.btn_search.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
        this.btn_search.Name = "btn_search";
        this.btn_search.Size = new System.Drawing.Size(94, 36);
        this.btn_search.TabIndex = 11;
        this.btn_search.Text = "Search";
        this.btn_search.UseVisualStyleBackColor = true;
        this.btn_search.Click += new System.EventHandler(this.btn_search_Click);
        //
        // lb_model
        //
        this.lb_model.AutoSize = true;
        this.lb_model.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)0));
        this.lb_model.Location = new System.Drawing.Point(10, 67);
        this.lb_model.Margin = new System.Windows.Forms.Padding(2, 0, 2, 0);
        this.lb_model.Name = "lb_model";
        this.lb_model.Size = new System.Drawing.Size(51, 17);
        this.lb_model.TabIndex = 1;
        this.lb_model.Text = "Model";
        //
        // lb_make
        //
        this.lb_make.AutoSize = true;
        this.lb_make.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)0));
        this.lb_make.Location = new System.Drawing.Point(10, 28);
        this.lb_make.Margin = new System.Windows.Forms.Padding(2, 0, 2, 0);
        this.lb_make.Name = "lb_make";
        this.lb_make.Size = new System.Drawing.Size(46, 17);
        this.lb_make.TabIndex = 0;
        this.lb_make.Text = "Make";
        //
        // list_car
        //

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```

        this.list_car.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.list_car.FormattingEnabled = true;
        this.list_car.ItemHeight = 15;
        this.list_car.Location = new System.Drawing.Point(8, 24);
        this.list_car.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
        this.list_car.Name = "list_car";
        this.list_car.Size = new System.Drawing.Size(362, 169);
        this.list_car.TabIndex = 1;
        //
        // btn_addcart
        //
        this.btn_addcart.Font = new System.Drawing.Font("Microsoft Sans Serif",
10.2F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.btn_addcart.Location = new System.Drawing.Point(676, 73);
        this.btn_addcart.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
        this.btn_addcart.Name = "btn_addcart";
        this.btn_addcart.Size = new System.Drawing.Size(63, 51);
        this.btn_addcart.TabIndex = 12;
        this.btn_addcart.Text = "Add to Cart";
        this.btn_addcart.UseVisualStyleBackColor = true;
        this.btn_addcart.Click += new System.EventHandler(this.btn_addcart_Click);
        //
        // list_checkout
        //
        this.list_checkout.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.list_checkout.FormattingEnabled = true;
        this.list_checkout.ItemHeight = 15;
        this.list_checkout.Location = new System.Drawing.Point(765, 38);
        this.list_checkout.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
        this.list_checkout.Name = "list_checkout";
        this.list_checkout.Size = new System.Drawing.Size(355, 169);
        this.list_checkout.TabIndex = 3;
        //
        // btn_checkout
        //
        this.btn_checkout.BackColor =
System.Drawing.Color.FromArgb(((int)(((byte)(224)))), ((int)(((byte)(224)))),
((int)(((byte)(224))))));
        this.btn_checkout.Font = new System.Drawing.Font("Microsoft Sans Serif",
13.8F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.btn_checkout.ForeColor = System.Drawing.SystemColors.ControlText;
        this.btn_checkout.Location = new System.Drawing.Point(929, 242);
        this.btn_checkout.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
        this.btn_checkout.Name = "btn_checkout";
        this.btn_checkout.Size = new System.Drawing.Size(115, 38);
        this.btn_checkout.TabIndex = 14;
        this.btn_checkout.Text = "Check out";
        this.btn_checkout.UseVisualStyleBackColor = false;
        this.btn_checkout.Click += new System.EventHandler(this.btn_checkout_Click);
        //
        // lb_shoppingcart
        //
        this.lb_shoppingcart.AutoSize = true;
        this.lb_shoppingcart.Font = new System.Drawing.Font("Microsoft Sans Serif",
12F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.lb_shoppingcart.Location = new System.Drawing.Point(783, 17);

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this.lb_shoppingcart.Margin = new System.Windows.Forms.Padding(2, 0, 2, 0);
this.lb_shoppingcart.Name = "lb_shoppingcart";
this.lb_shoppingcart.Size = new System.Drawing.Size(124, 20);
this.lb_shoppingcart.TabIndex = 6;
this.lb_shoppingcart.Text = "Shopping Cart";
//
// groupBox2
//
this.groupBox2.Controls.Add(this.list_car);
this.groupBox2.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.groupBox2.Location = new System.Drawing.Point(288, 17);
this.groupBox2.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
this.groupBox2.Name = "groupBox2";
this.groupBox2.Padding = new System.Windows.Forms.Padding(2, 2, 2, 2);
this.groupBox2.Size = new System.Drawing.Size(374, 205);
this.groupBox2.TabIndex = 7;
this.groupBox2.TabStop = false;
this.groupBox2.Text = "Car list";
//
// lbl_price
//
this.lbl_price.AutoSize = true;
this.lbl_price.Location = new System.Drawing.Point(578, 362);
this.lbl_price.Margin = new System.Windows.Forms.Padding(2, 0, 2, 0);
this.lbl_price.Name = "lbl_price";
this.lbl_price.Size = new System.Drawing.Size(0, 13);
this.lbl_price.TabIndex = 9;
//
// lbl_cardNum
//
this.lbl_cardNum.AutoSize = true;
this.lbl_cardNum.Font = new System.Drawing.Font("Microsoft Sans Serif",
10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.lbl_cardNum.ForeColor = System.Drawing.Color.Black;
this.lbl_cardNum.Location = new System.Drawing.Point(534, 318);
this.lbl_cardNum.Name = "lbl_cardNum";
this.lbl_cardNum.Size = new System.Drawing.Size(112, 17);
this.lbl_cardNum.TabIndex = 13;
this.lbl_cardNum.Text = "Card Number >>";
//
// txt_cardInput
//
this.txt_cardInput.Font = new System.Drawing.Font("Microsoft Sans Serif",
10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.txt_cardInput.Location = new System.Drawing.Point(650, 316);
this.txt_cardInput.Name = "txt_cardInput";
this.txt_cardInput.Size = new System.Drawing.Size(192, 23);
this.txt_cardInput.TabIndex = 23;
//
// btn_confirm
//
this.btn_confirm.Font = new System.Drawing.Font("Microsoft Sans Serif",
16.2F, System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.btn_confirm.Location = new System.Drawing.Point(630, 444);
this.btn_confirm.Name = "btn_confirm";
this.btn_confirm.Size = new System.Drawing.Size(216, 39);
this.btn_confirm.TabIndex = 15;

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        this.btn_confirm.Text = "Confirm Purchase";
        this.btn_confirm.UseVisualStyleBackColor = true;
        this.btn_confirm.Click += new System.EventHandler(this.btn_confirm_Click);
        //
        // btn_remove
        //
        this.btn_remove.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.btn_remove.Location = new System.Drawing.Point(676, 150);
        this.btn_remove.Name = "btn_remove";
        this.btn_remove.Size = new System.Drawing.Size(84, 57);
        this.btn_remove.TabIndex = 13;
        this.btn_remove.Text = "Remove from Cart";
        this.btn_remove.UseVisualStyleBackColor = true;
        this.btn_remove.Click += new System.EventHandler(this.btn_remove_Click);
        //
        // txt_firstName
        //
        this.txt_firstName.Font = new System.Drawing.Font("Microsoft Sans Serif",
10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.txt_firstName.Location = new System.Drawing.Point(104, 332);
        this.txt_firstName.Name = "txt_firstName";
        this.txt_firstName.Size = new System.Drawing.Size(131, 23);
        this.txt_firstName.TabIndex = 17;
        //
        // txt_lastName
        //
        this.txt_lastName.Font = new System.Drawing.Font("Microsoft Sans Serif",
10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.txt_lastName.Location = new System.Drawing.Point(296, 332);
        this.txt_lastName.Name = "txt_lastName";
        this.txt_lastName.Size = new System.Drawing.Size(132, 23);
        this.txt_lastName.TabIndex = 18;
        //
        // txt_address
        //
        this.txt_address.Font = new System.Drawing.Font("Microsoft Sans Serif",
10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.txt_address.Location = new System.Drawing.Point(103, 373);
        this.txt_address.Multiline = true;
        this.txt_address.Name = "txt_address";
        this.txt_address.Size = new System.Drawing.Size(132, 22);
        this.txt_address.TabIndex = 19;
        //
        // label1
        //
        this.label1.AutoSize = true;
        this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.label1.ForeColor = System.Drawing.Color.Black;
        this.label1.Location = new System.Drawing.Point(104, 313);
        this.label1.Name = "label1";
        this.label1.Size = new System.Drawing.Size(76, 17);
        this.label1.TabIndex = 20;
        this.label1.Text = "First Name";
        //
        // label2
        //

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        this.label2.AutoSize = true;
        this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.label2.Location = new System.Drawing.Point(38, 287);
        this.label2.Name = "label2";
        this.label2.Size = new System.Drawing.Size(133, 20);
        this.label2.TabIndex = 21;
        this.label2.Text = "Billing Address:";
        //
        // label3
        //
        this.label3.AutoSize = true;
        this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.label3.ForeColor = System.Drawing.Color.Black;
        this.label3.Location = new System.Drawing.Point(499, 293);
        this.label3.Name = "label3";
        this.label3.Size = new System.Drawing.Size(148, 20);
        this.label3.TabIndex = 22;
        this.label3.Text = "Payment Method:";
        //
        // txt_month
        //
        this.txt_month.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.txt_month.Location = new System.Drawing.Point(552, 366);
        this.txt_month.Name = "txt_month";
        this.txt_month.Size = new System.Drawing.Size(69, 23);
        this.txt_month.TabIndex = 24;
        //
        // txt_seCode
        //
        this.txt_seCode.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.txt_seCode.Location = new System.Drawing.Point(795, 366);
        this.txt_seCode.Name = "txt_seCode";
        this.txt_seCode.Size = new System.Drawing.Size(52, 23);
        this.txt_seCode.TabIndex = 26;
        //
        // txt_year
        //
        this.txt_year.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.txt_year.Location = new System.Drawing.Point(658, 366);
        this.txt_year.Name = "txt_year";
        this.txt_year.Size = new System.Drawing.Size(81, 23);
        this.txt_year.TabIndex = 25;
        //
        // label4
        //
        this.label4.AutoSize = true;
        this.label4.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.label4.ForeColor = System.Drawing.Color.Black;
        this.label4.Location = new System.Drawing.Point(550, 349);
        this.label4.Name = "label4";
        this.label4.Size = new System.Drawing.Size(79, 17);
        this.label4.TabIndex = 28;

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this.label4.Text = "Month(MM)";
//
// label5
//
this.label5.AutoSize = true;
this.label5.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.label5.ForeColor = System.Drawing.Color.Black;
this.label5.Location = new System.Drawing.Point(656, 349);
this.label5.Name = "label5";
this.label5.Size = new System.Drawing.Size(84, 17);
this.label5.TabIndex = 29;
this.label5.Text = "Year(YYYY)";
//
// label6
//
this.label6.AutoSize = true;
this.label6.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.label6.ForeColor = System.Drawing.Color.Black;
this.label6.Location = new System.Drawing.Point(793, 349);
this.label6.Name = "label6";
this.label6.Size = new System.Drawing.Size(35, 17);
this.label6.TabIndex = 30;
this.label6.Text = "CVV";
//
// label7
//
this.label7.AutoSize = true;
this.label7.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.label7.ForeColor = System.Drawing.Color.Black;
this.label7.Location = new System.Drawing.Point(295, 314);
this.label7.Name = "label7";
this.label7.Size = new System.Drawing.Size(76, 17);
this.label7.TabIndex = 31;
this.label7.Text = "Last Name";
//
// label8
//
this.label8.AutoSize = true;
this.label8.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.label8.ForeColor = System.Drawing.Color.Black;
this.label8.Location = new System.Drawing.Point(101, 356);
this.label8.Name = "label8";
this.label8.Size = new System.Drawing.Size(64, 17);
this.label8.TabIndex = 32;
this.label8.Text = "Address:";
//
// label9
//
this.label9.AutoSize = true;
this.label9.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.label9.ForeColor = System.Drawing.Color.Black;
this.label9.Location = new System.Drawing.Point(100, 405);
this.label9.Name = "label9";

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```

this.label9.Size = new System.Drawing.Size(65, 17);
this.label9.TabIndex = 33;
this.label9.Text = "Zip Code";
//
// label10
//
this.label10.AutoSize = true;
this.label10.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.label10.ForeColor = System.Drawing.Color.Black;
this.label10.Location = new System.Drawing.Point(296, 405);
this.label10.Name = "label10";
this.label10.Size = new System.Drawing.Size(48, 17);
this.label10.TabIndex = 34;
this.label10.Text = "States";
//
// txt_zipcode
//
this.txt_zipcode.Font = new System.Drawing.Font("Microsoft Sans Serif",
10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.txt_zipcode.Location = new System.Drawing.Point(163, 402);
this.txt_zipcode.Name = "txt_zipcode";
this.txt_zipcode.Size = new System.Drawing.Size(66, 23);
this.txt_zipcode.TabIndex = 21;
//
// City
//
this.City.AutoSize = true;
this.City.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.City.ForeColor = System.Drawing.Color.Black;
this.City.Location = new System.Drawing.Point(294, 356);
this.City.Name = "City";
this.City.Size = new System.Drawing.Size(31, 17);
this.City.TabIndex = 38;
this.City.Text = "City";
//
// txt_city
//
this.txt_city.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.txt_city.Location = new System.Drawing.Point(296, 373);
this.txt_city.Multiline = true;
this.txt_city.Name = "txt_city";
this.txt_city.Size = new System.Drawing.Size(132, 22);
this.txt_city.TabIndex = 20;
//
// list_states
//
this.list_states.Font = new System.Drawing.Font("Microsoft Sans Serif",
10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.list_states.FormattingEnabled = true;
this.list_states.Location = new System.Drawing.Point(363, 401);
this.list_states.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
this.list_states.Name = "list_states";
this.list_states.Size = new System.Drawing.Size(64, 25);
this.list_states.TabIndex = 22;
//

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```

// btn_end
//
this.btn_end.Font = new System.Drawing.Font("Consolas", 19.8F,
((System.Drawing.FontStyle)((System.Drawing.FontStyle.Bold |
System.Drawing.FontStyle.Italic))), System.Drawing.GraphicsUnit.Point, ((byte)(0)));
this.btn_end.Location = new System.Drawing.Point(72, 474);
this.btn_end.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
this.btn_end.Name = "btn_end";
this.btn_end.Size = new System.Drawing.Size(227, 43);
this.btn_end.TabIndex = 39;
this.btn_end.Text = "Print Receipt";
this.btn_end.UseVisualStyleBackColor = true;
this.btn_end.Click += new System.EventHandler(this.btn_end_Click);
//
// Form1
//
this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
this.BackColor = System.Drawing.Color.FromArgb(((int)(((byte)(224))))),
((int)(((byte)(224))))), ((int)(((byte)(224)))));
this.ClientSize = new System.Drawing.Size(1131, 525);
this.Controls.Add(this.btn_end);
this.Controls.Add(this.list_states);
this.Controls.Add(this.City);
this.Controls.Add(this.txt_city);
this.Controls.Add(this.txt_zipcode);
this.Controls.Add(this.label10);
this.Controls.Add(this.label9);
this.Controls.Add(this.label8);
this.Controls.Add(this.label7);
this.Controls.Add(this.label6);
this.Controls.Add(this.label5);
this.Controls.Add(this.label4);
this.Controls.Add(this.txt_year);
this.Controls.Add(this.txt_seCode);
this.Controls.Add(this.txt_month);
this.Controls.Add(this.label3);
this.Controls.Add(this.label2);
this.Controls.Add(this.label1);
this.Controls.Add(this.txt_address);
this.Controls.Add(this.txt_lastName);
this.Controls.Add(this.txt_firstName);
this.Controls.Add(this.btn_remove);
this.Controls.Add(this.btn_confirm);
this.Controls.Add(this.txt_cardInput);
this.Controls.Add(this.lbl_cardNum);
this.Controls.Add(this.lbl_price);
this.Controls.Add(this.groupBox2);
this.Controls.Add(this.lb_shoppingcart);
this.Controls.Add(this.btn_checkout);
this.Controls.Add(this.list_checkout);
this.Controls.Add(this.btn_addcart);
this.Controls.Add(this.groupBox1);
this.ForeColor = System.Drawing.Color.Black;
this.Margin = new System.Windows.Forms.Padding(2, 2, 2, 2);
this.Name = "Form1";
this.Text = "DMV Auto";
this.Load += new System.EventHandler(this.Form1_Load);

```

```

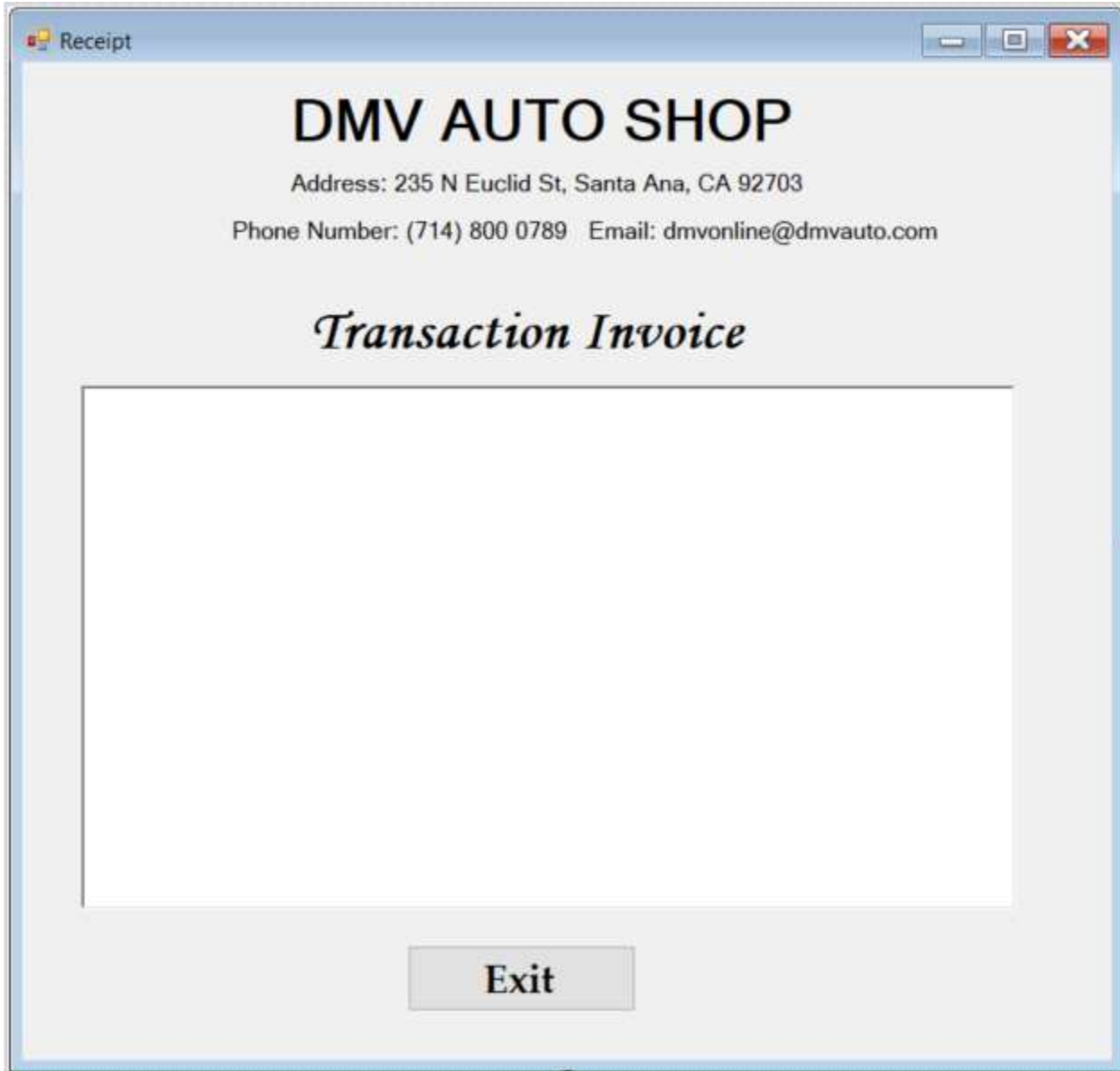
        this.groupBox1.ResumeLayout(false);
        this.groupBox1.PerformLayout();
        this.groupBox2.ResumeLayout(false);
        this.ResumeLayout(false);
        this.PerformLayout();
    }

    #endregion

    private System.Windows.Forms.GroupBox groupBox1;
    private System.Windows.Forms.Label lb_model;
    private System.Windows.Forms.Label lb_make;
    private System.Windows.Forms.ListBox list_car;
    private System.Windows.Forms.Button btn_addcart;
    private System.Windows.Forms.ListBox list_checkout;
    private System.Windows.Forms.Button btn_checkout;
    private System.Windows.Forms.Label lb_shoppingcart;
    private System.Windows.Forms.GroupBox groupBox2;
    private System.Windows.Forms.Button btn_search;
    private System.Windows.Forms.Label lbl_price;
    private System.ComponentModel.BackgroundWorker backgroundWorker1;
    private System.Windows.Forms.ComboBox cb_make;
    private System.Windows.Forms.ComboBox cb_model;
    private System.Windows.Forms.Label lb_price;
    private System.Windows.Forms.ComboBox cb_price;
    private System.Windows.Forms.Label lbl_cardNum;
    private System.Windows.Forms.TextBox txt_cardInput;
    private System.Windows.Forms.Button btn_confirm;
    private System.Windows.Forms.Button btn_remove;
    private System.Windows.Forms.TextBox txt_firstName;
    private System.Windows.Forms.TextBox txt_lastName;
    private System.Windows.Forms.TextBox txt_address;
    private System.Windows.Forms.Label label1;
    private System.Windows.Forms.Label label2;
    private System.Windows.Forms.Label label3;
    private System.Windows.Forms.TextBox txt_month;
    private System.Windows.Forms.TextBox txt_seCode;
    private System.Windows.Forms.TextBox txt_year;
    private System.Windows.Forms.Label label4;
    private System.Windows.Forms.Label label5;
    private System.Windows.Forms.Label label6;
    private System.Windows.Forms.Label label7;
    private System.Windows.Forms.Label label8;
    private System.Windows.Forms.Label label9;
    private System.Windows.Forms.Label label10;
    private System.Windows.Forms.TextBox txt_zipcode;
    private System.Windows.Forms.Label City;
    private System.Windows.Forms.TextBox txt_city;
    private System.Windows.Forms.Label label11;
    private System.Windows.Forms.ComboBox cb_vin;
    private System.Windows.Forms.ComboBox list_states;
    private System.Windows.Forms.Button btn_end;
}
}

```

Form Receipt



The screenshot shows a Windows application window titled "Receipt". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main content area is light gray and contains the following text:

DMV AUTO SHOP

Address: 235 N Euclid St, Santa Ana, CA 92703

Phone Number: (714) 800 0789 Email: dmvonline@dmvauto.com

Transaction Invoice

Below the text is a large, empty rectangular box, likely intended for a receipt image or detailed transaction information. At the bottom center of the window is a button labeled "Exit".

Receipt.cs

```
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;

namespace CarShop
{
    public partial class frmReceipt : Form
```



```

{

    public frmReceipt()
    {
        InitializeComponent();
    }

    private void frmReceipt_Load(object sender, EventArgs e)
    {
        txt_Result.Clear();
        txt_Result.Text += "*****\n" ;
        txt_Result.Text += "***** CUSTOMER RECEIPT *****\n";
        txt_Result.Text += "*****\n";
        txt_Result.Text += "Date: " + DateTime.Now + "\n\n";

        txt_Result.Text += "Customer's Name: " + Form1.ValueFirstName + " " +
Form1.ValueLastName + "\n\n";
        txt_Result.Text += "Address: " + Form1.ValueAddress + " " + Form1.ValueCity +
" " + Form1.States + " " + Form1.ZipCode + "\n\n";
        txt_Result.Text += "Items: " + Form1.ListTotal + "\n\n";
        txt_Result.Text += "Card: " + Form1.CreditCard ;
    }

    private void btn_Exit_Click(object sender, EventArgs e)
    {
        this.Close();
    }
}
}

```

Receipt.Designer.cs

```

namespace CarShop
{
    partial class frmReceipt
    {
        /// <summary>
        /// Required designer variable.
        /// </summary>
        private System.ComponentModel.IContainer components = null;

        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        /// <param name="disposing">true if managed resources should be disposed;
otherwise, false.</param>
        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        #region Windows Form Designer generated code

```

```

/// <summary>
/// Required method for Designer support - do not modify
/// the contents of this method with the code editor.
/// </summary>
private void InitializeComponent()
{
    this.txt_Result = new System.Windows.Forms.RichTextBox();
    this.lbl_receipt = new System.Windows.Forms.Label();
    this.btn_Exit = new System.Windows.Forms.Button();
    this.label1 = new System.Windows.Forms.Label();
    this.label2 = new System.Windows.Forms.Label();
    this.label3 = new System.Windows.Forms.Label();
    this.label4 = new System.Windows.Forms.Label();
    this.SuspendLayout();
    //
    // txt_Result
    //
    this.txt_Result.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
    this.txt_Result.Location = new System.Drawing.Point(41, 225);
    this.txt_Result.Name = "txt_Result";
    this.txt_Result.Size = new System.Drawing.Size(650, 364);
    this.txt_Result.TabIndex = 0;
    this.txt_Result.Text = "";
    //
    // lbl_receipt
    //
    this.lbl_receipt.AutoSize = true;
    this.lbl_receipt.Font = new System.Drawing.Font("Monotype Corsiva", 24F,
((System.Drawing.FontStyle)((System.Drawing.FontStyle.Bold |
System.Drawing.FontStyle.Italic))), System.Drawing.GraphicsUnit.Point, ((byte)(0)));
    this.lbl_receipt.Location = new System.Drawing.Point(191, 162);
    this.lbl_receipt.Name = "lbl_receipt";
    this.lbl_receipt.Size = new System.Drawing.Size(323, 49);
    this.lbl_receipt.TabIndex = 1;
    this.lbl_receipt.Text = "Transaction Invoice";
    //
    // btn_Exit
    //
    this.btn_Exit.Font = new System.Drawing.Font("Palatino Linotype", 16.2F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
    this.btn_Exit.Location = new System.Drawing.Point(268, 614);
    this.btn_Exit.Name = "btn_Exit";
    this.btn_Exit.Size = new System.Drawing.Size(159, 46);
    this.btn_Exit.TabIndex = 2;
    this.btn_Exit.Text = "Exit";
    this.btn_Exit.UseVisualStyleBackColor = true;
    this.btn_Exit.Click += new System.EventHandler(this.btn_Exit_Click);
    //
    // label1
    //
    this.label1.AutoSize = true;
    this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 24F,
System.Drawing.FontStyle.Bold, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
    this.label1.Location = new System.Drawing.Point(179, 18);
    this.label1.Name = "label1";
    this.label1.Size = new System.Drawing.Size(369, 46);

```

```

        this.label1.TabIndex = 3;
        this.label1.Text = "DMV AUTO SHOP";
        //
        // label2
        //
        this.label2.AutoSize = true;
        this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.label2.Location = new System.Drawing.Point(183, 74);
        this.label2.Name = "label2";
        this.label2.Size = new System.Drawing.Size(365, 20);
        this.label2.TabIndex = 4;
        this.label2.Text = "Address: 235 N Euclid St, Santa Ana, CA 92703";
        //
        // label3
        //
        this.label3.AutoSize = true;
        this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.label3.Location = new System.Drawing.Point(142, 107);
        this.label3.Name = "label3";
        this.label3.Size = new System.Drawing.Size(242, 20);
        this.label3.TabIndex = 5;
        this.label3.Text = "Phone Number: (714) 800 0789";
        //
        // label4
        //
        this.label4.AutoSize = true;
        this.label4.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.label4.Location = new System.Drawing.Point(390, 107);
        this.label4.Name = "label4";
        this.label4.Size = new System.Drawing.Size(252, 20);
        this.label4.TabIndex = 6;
        this.label4.Text = "Email: dmvonline@dmvauto.com";
        //
        // frmReceipt
        //
        this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);
        this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
        this.ClientSize = new System.Drawing.Size(758, 694);
        this.Controls.Add(this.label4);
        this.Controls.Add(this.label3);
        this.Controls.Add(this.label2);
        this.Controls.Add(this.label1);
        this.Controls.Add(this.btn_Exit);
        this.Controls.Add(this.lbl_receipt);
        this.Controls.Add(this.txt_Result);
        this.Name = "frmReceipt";
        this.Text = "Receipt";
        this.Load += new System.EventHandler(this.frmReceipt_Load);
        this.ResumeLayout(false);
        this.PerformLayout();

    }

#endregion

```

```
private System.Windows.Forms.RichTextBox txt_Result;  
private System.Windows.Forms.Label lbl_receipt;  
private System.Windows.Forms.Button btn_Exit;  
private System.Windows.Forms.Label label1;  
private System.Windows.Forms.Label label2;  
private System.Windows.Forms.Label label3;  
private System.Windows.Forms.Label label4;  
    }  
}
```

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