

ELITE SERVICE CENTRE

Term Project



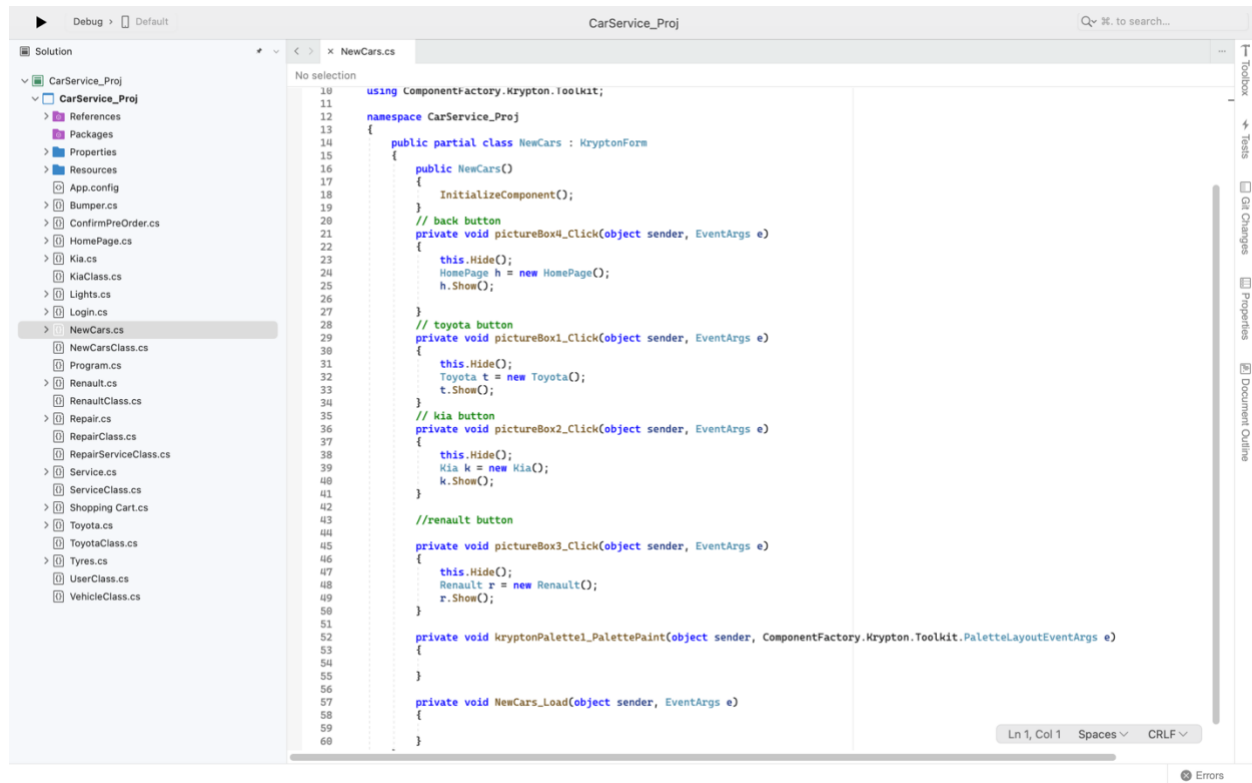
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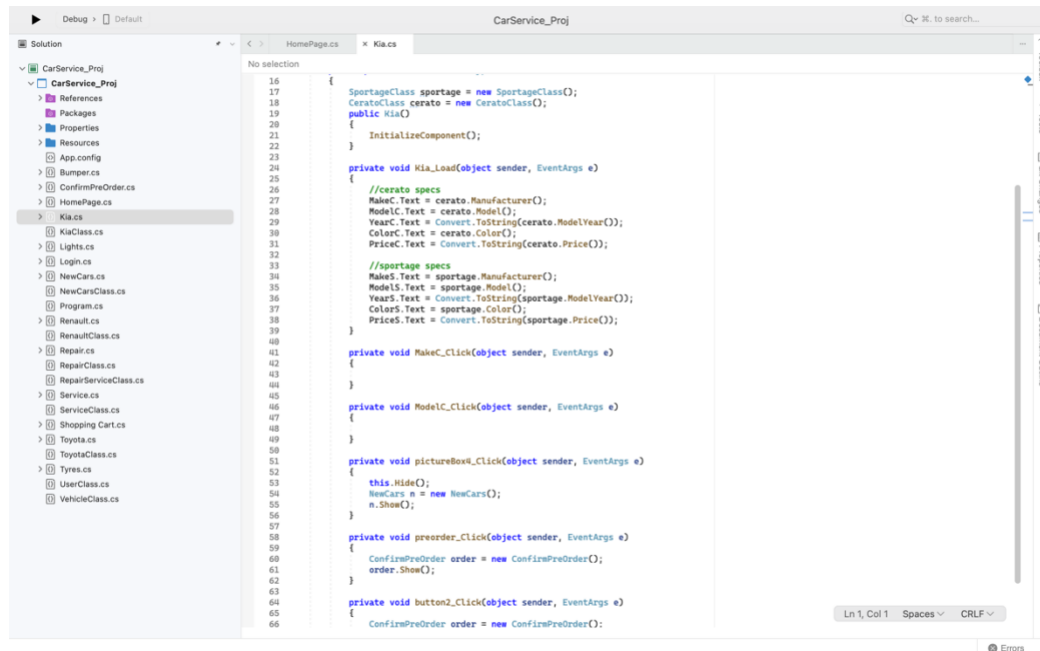
New Cars Class



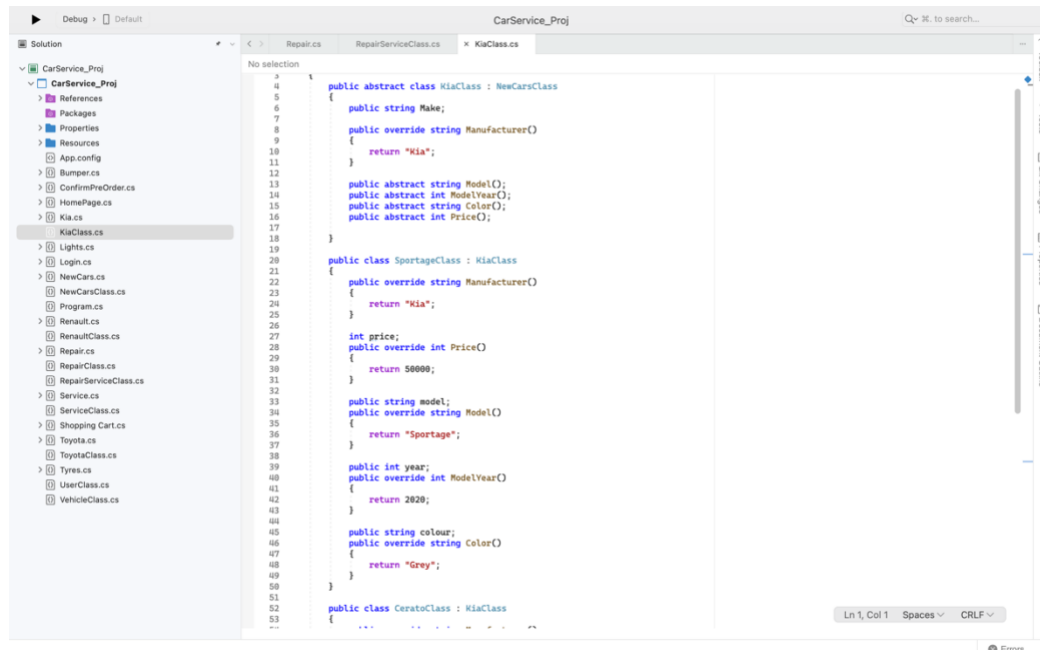
```
10 using ComponentFactory.Krypton.Toolkit;
11
12 namespace CarService_Proj
13 {
14     public partial class NewCars : KryptonForm
15     {
16         public NewCars()
17         {
18             InitializeComponent();
19         }
20         // back button
21         private void pictureBox_Click(object sender, EventArgs e)
22         {
23             this.Hide();
24             HomePage h = new HomePage();
25             h.Show();
26         }
27         // toyota button
28         private void pictureBox1_Click(object sender, EventArgs e)
29         {
30             this.Hide();
31             Toyota t = new Toyota();
32             t.Show();
33         }
34         // kia button
35         private void pictureBox2_Click(object sender, EventArgs e)
36         {
37             this.Hide();
38             Kia k = new Kia();
39             k.Show();
40         }
41         //renault button
42         private void pictureBox3_Click(object sender, EventArgs e)
43         {
44             this.Hide();
45             Renault r = new Renault();
46             r.Show();
47         }
48         private void kryptonPalette1_PalettePaint(object sender, ComponentFactory.Krypton.Toolkit.PaletteLayoutEventArgs e)
49         {
50         }
51         private void NewCars_Load(object sender, EventArgs e)
52         {
53         }
54     }
55 }
```

- Base class for all new cars class (Kia, Renault, Toyota) with abstract method for the Manufacturer label.
- Derived classes inherit this abstract method and declare new abstract methods for the other car spec labels.

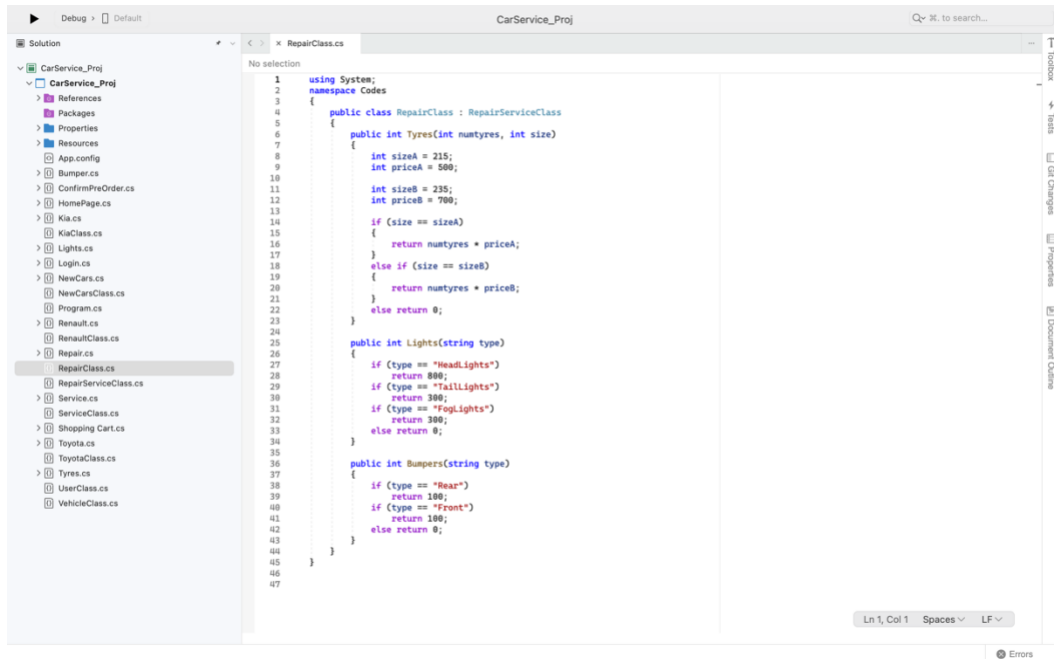
Kia Form:



- Shows and hides forms upon corresponding click
- Car specs are shown as labels where their text is modified using inherited methods from the base class of the car manufacturer.

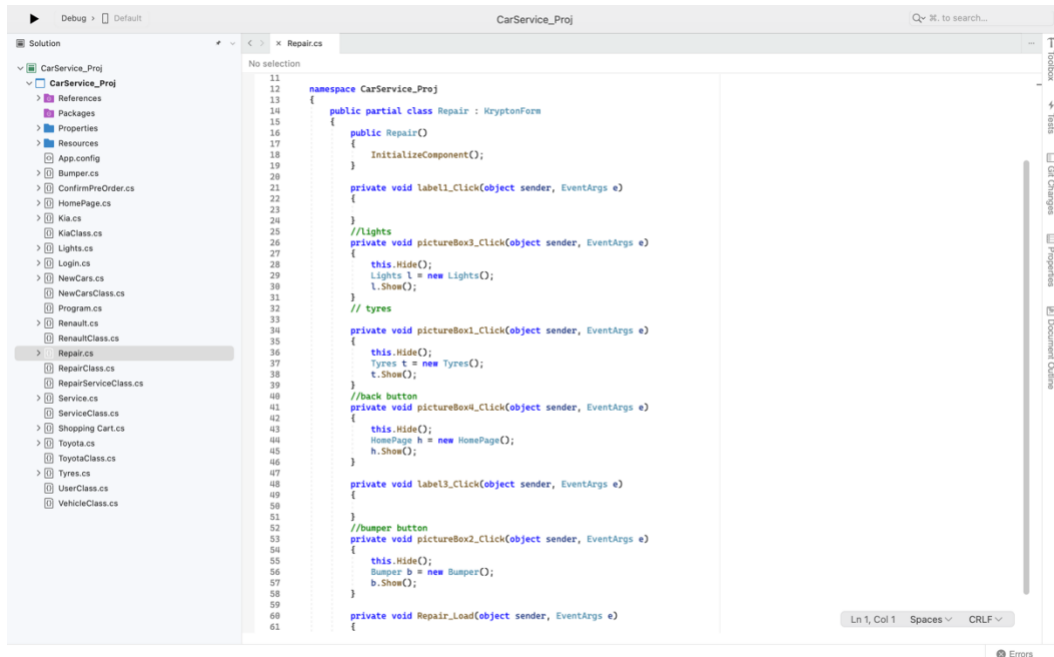


Repair Form:



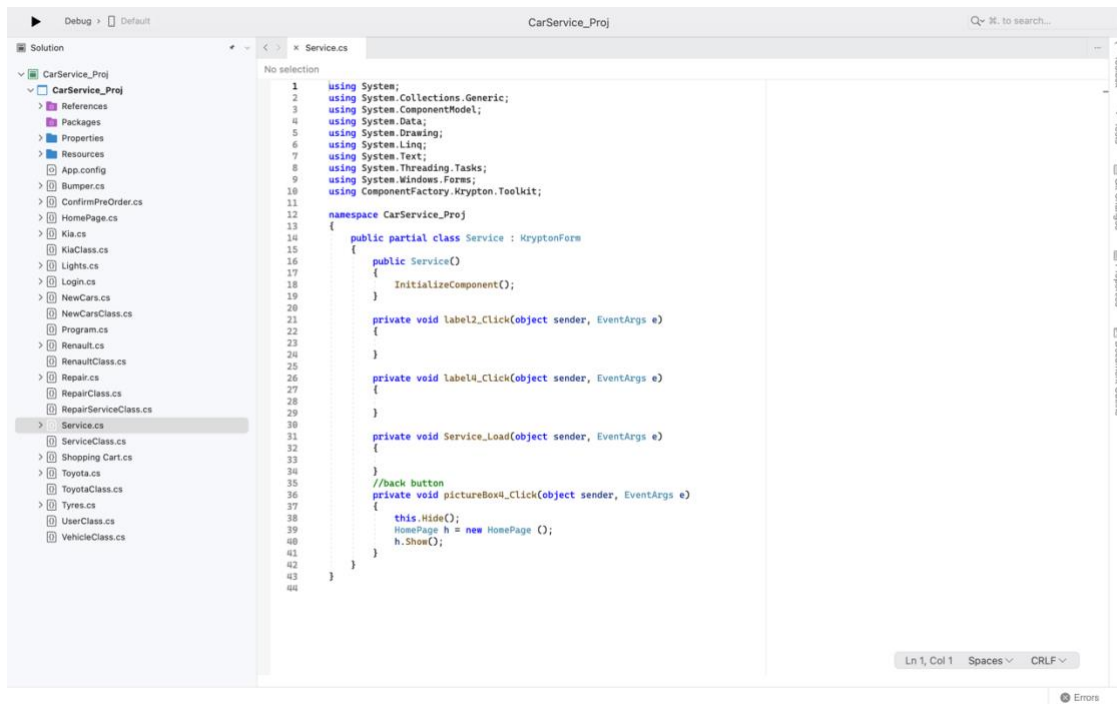
```
1 using System;
2 namespace Codes
3 {
4     public class RepairClass : RepairServiceClass
5     {
6         public int Tyres(int numtyres, int size)
7         {
8             int sizeA = 215;
9             int priceA = 500;
10
11             int sizeB = 235;
12             int priceB = 700;
13
14             if (size == sizeA)
15             {
16                 return numtyres * priceA;
17             }
18             else if (size == sizeB)
19             {
20                 return numtyres * priceB;
21             }
22             else return 0;
23         }
24
25         public int Lights(string type)
26         {
27             if (type == "HeadLights")
28                 return 800;
29             if (type == "TailLights")
30                 return 300;
31             if (type == "FogLights")
32                 return 300;
33             else return 0;
34         }
35
36         public int Bumpers(string type)
37         {
38             if (type == "Rear")
39                 return 100;
40             if (type == "Front")
41                 return 100;
42             else return 0;
43         }
44     }
45 }
46
47
```

- This code determines the price of each repair option for when adding to cart.



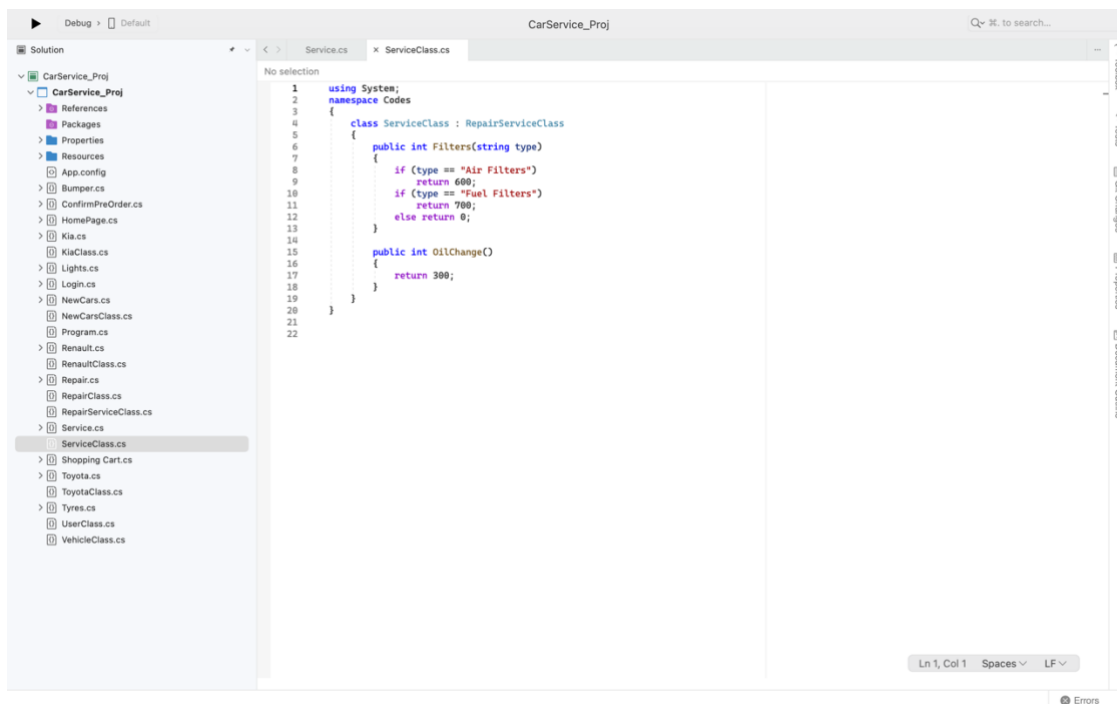
```
11 namespace CarService_Proj
12 {
13     public partial class Repair : KryptonForm
14     {
15         public Repair()
16         {
17             InitializeComponent();
18         }
19
20         private void label1_Click(object sender, EventArgs e)
21         {
22         }
23
24         //lights
25         private void pictureBox3_Click(object sender, EventArgs e)
26         {
27             this.Hide();
28             Lights l = new Lights();
29             l.Show();
30         }
31
32         //tyres
33         private void pictureBox1_Click(object sender, EventArgs e)
34         {
35             this.Hide();
36             Tyres t = new Tyres();
37             t.Show();
38         }
39
40         //back button
41         private void pictureBox4_Click(object sender, EventArgs e)
42         {
43             this.Hide();
44             HomePage h = new HomePage();
45             h.Show();
46         }
47
48         private void label3_Click(object sender, EventArgs e)
49         {
50         }
51
52         //bumper button
53         private void pictureBox2_Click(object sender, EventArgs e)
54         {
55             this.Hide();
56             Bumper b = new Bumper();
57             b.Show();
58         }
59
60         private void Repair_Load(object sender, EventArgs e)
61         {
62         }
63     }
64 }
```

Service Form:



```
1 using System;
2 using System.Collections.Generic;
3 using System.ComponentModel;
4 using System.Data;
5 using System.Drawing;
6 using System.Linq;
7 using System.Text;
8 using System.Threading.Tasks;
9 using System.Windows.Forms;
10 using ComponentFactory.Krypton.Toolkit;
11
12 namespace CarService_Proj
13 {
14     public partial class Service : KryptonForm
15     {
16         public Service()
17         {
18             InitializeComponent();
19         }
20
21         private void label2_Click(object sender, EventArgs e)
22         {
23         }
24
25         private void label4_Click(object sender, EventArgs e)
26         {
27         }
28
29         private void Service_Load(object sender, EventArgs e)
30         {
31         }
32
33         //back button
34         private void pictureBox4_Click(object sender, EventArgs e)
35         {
36             this.Hide();
37             HomePage h = new HomePage ();
38             h.Show();
39         }
40     }
41 }
42
43
44
```

- This code determines the price of each service option for when adding to cart.



```
1 using System;
2 namespace Codes
3 {
4     class ServiceClass : RepairServiceClass
5     {
6         public int Filters(string type)
7         {
8             if (type == "Air Filters")
9                 return 600;
10             if (type == "Fuel Filters")
11                 return 700;
12             else return 0;
13         }
14
15         public int OilChange()
16         {
17             return 300;
18         }
19     }
20 }
21
22
```