

2021

PRG521 Summative

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Question 8:



Question 8

10 pts

Form Status: -Functionality

- *This form is not connected to the DBCTuLogistics.* The Create button will create a txt file named status.txt and save the information into, the read button will retrieve data from the **status.txt** file and display it on the form, Update button will update all information in the file **status.txt**, and the delete button will delete all information in the txt file.

You will have to provide screenshots and the full program showcasing how the program function

Screen shots:

The screenshot shows a Windows application window titled "Status". Inside the window, there is a section labeled "Status Information:". Below this label, there are four input fields: "Status ID:", "Driver ID:", "Picked up:", and "Delivered:". The "Picked up:" and "Delivered:" fields are date pickers, both showing "Sunday, 09 May 2021". Below the input fields, there are five buttons: "Create", "Read", "Update", "Delete", and "Exit". At the bottom of the window, there is a large, empty rectangular area, likely intended for displaying data or logs.

```
1 //6955 Laikin Barnard
2
3 using System;
4 using System.Collections.Generic;
5 using System.ComponentModel;
6 using System.Data;
7 using System.Drawing;
8 using System.Linq;
9 using System.Text;
10 using System.Threading.Tasks;
11 using System.Windows.Forms;
12 using System.Data.SqlClient;
13 using System.IO;
14
15 namespace PRG521Summative6955
16 {
17     4 references
18     public partial class FrmStatus : Form
19     {
20         //6955 Laikin Barnard
21         1 reference
22         public FrmStatus()
23         {
24             InitializeComponent();
25         }
26
27         0 references
28         public void displaydata()
29         {
30         }
31
32         5 references
33         public void TextboxClear()
34         {
35             txtDriverID.Clear();
36             txtStatusID.Clear();
37             txtStatusID.Focus();
38         }
39
40         1 reference
41         private void btnCreate_Click(object sender, EventArgs e)
42         {
43             try
44             {
45                 bool filestatus = (System.IO.File.Exists("d:\\tmp\\status.txt"));
46                 if (filestatus == true)
47                 {
48                     MessageBox.Show("File Already Exists!");
49                 }
50                 else
51                 {
52                     // ... (code for creating the file) ...
53                 }
54             }
55             catch { }
56         }
57     }
58 }
```

```

FrmStatus.cs  FrmCustomers.cs  FrmFreight.cs  FrmDriver.cs
PRG521Summative6955  PRG521Summative6955.FrmStatus  btnCreate_Click(object sender, EventArgs e)
45  }
46  else
47  {
48      using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt", true))
49      {
50          writer.WriteLine(rtxtStatus.Text);
51      }
52  }
53  }
54  catch (Exception ex)
55  {
56      MessageBox.Show(ex.Message);
57  }
58  TextboxClear();
59  }
60
61  1 reference
62  private void btnRead_Click(object sender, EventArgs e)
63  {
64      try
65      {
66          rtxtStatus.Text = System.IO.File.ReadAllText(@"d:\\tmp\\status.txt");
67      }
68      catch
69      {
70          using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt", false))
71          {
72              writer.WriteLine("");
73          }
74      }
75      TextboxClear();
76  }
77
78  1 reference
79  private void btnUpdate_Click(object sender, EventArgs e)
80  {
81      var datePickUp = dtgPickedUp.Value.ToShortDateString();
82      var dateDeliv = dtgDelivered.Value.ToShortDateString();
83      string statId = txtStatusID.Text;
84      string drivId = txtDriverID.Text;
85      string statdetails;
86
87      statdetails = "Status ID: " + statId + " " + Environment.NewLine + "Driver ID: " + drivId + " " + Environment.NewLine + "Date Picked up: " + datePickUp + " " + Environment.NewLine + "Date Delivered: " + dateDeliv;
88      rtxtStatus.Text = rtxtStatus.Text + statdetails;
89
90      using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt", true))
91      {
92          writer.WriteLine(statdetails);
93      }
94      TextboxClear();
95  }
96
97  98 %  No issues found  Lni: 58  Ch: 28  SPC  CRL

```

```

FrmStatus.cs  FrmCustomers.cs  FrmFreight.cs  FrmDriver.cs
PRG521Summative6955  PRG521Summative6955.FrmStatus  btnDelete_Click(object sender, EventArgs e)
89  using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt", true))
90  {
91      writer.WriteLine(statdetails);
92  }
93  TextboxClear();
94  }
95
96  1 reference
97  private void btnDelete_Click(object sender, EventArgs e)
98  {
99      rtxtStatus.Text = "";
100      using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt", false))
101      {
102          writer.WriteLine(rtxtStatus.Text);
103      }
104      TextboxClear();
105  }
106
107  1 reference
108  private void btnExit_Click(object sender, EventArgs e)
109  {
110      Application.Exit();
111  }
112
113  0 references
114  private void dtgStatus_CellClick(object sender, DataGridViewCellEventArgs e)
115  {
116  }
117
118  1 reference
119  private void FrmStatus_Load(object sender, EventArgs e)
120  {
121      TextboxClear();
122      String stsInfo = "Status information: " + Environment.NewLine;
123      rtxtStatus.Text = stsInfo;
124
125      using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt", true))
126      {
127          writer.WriteLine(stsInfo);
128      }
129  }
130
131  //6955 Laikin Barnard

```

Code:

//6955 Laikin Barnard

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

namespace PRG521Summitive6955

```
{
    public partial class FrmStatus : Form
    {
        //6955 Laikin Barnard
        public FrmStatus()
        {
            InitializeComponent();

            public void displaydata()
            {

            }

            public void TextboxClear()
            {
                txtDriverID.Clear();
                txtStatusID.Clear();
                txtStatusID.Focus();
            }

            private void btnCreate_Click(object sender, EventArgs e)
            {
                try
                {
                    bool filestatus = (System.IO.File.Exists("d:\\tmp\\status.txt"));
                    if (filestatus == true)
                    {
                        MessageBox.Show("File Already Exists!");
                    }
                    else
                    {
                        using (StreamWriter writer = new
StreamWriter("d:\\tmp\\status.txt", true))
                        {
                            writer.WriteLine(rtxtStatus.Text);
                        }
                    }
                }
                catch (Exception ex)
                {
                    MessageBox.Show(ex.Message);
                }
                TextboxClear();
            }
        }
    }
}
```

```

private void btnRead_Click(object sender, EventArgs e)
{
    try
    {
        rtxtStatus.Text = System.IO.File.ReadAllText(@"d:\\tmp\\status.txt");
    }
    catch
    {
        using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt",
false))
        {
            writer.WriteLine("");
        }
    }
    TextboxClear();
}

private void btnUpdate_Click(object sender, EventArgs e)
{
    var datePickUp = dtpPickedup.Value.ToShortDateString();
    var dateDeliv = dtpDelivered.Value.ToShortDateString();
    string statId = txtStatusID.Text;
    string drivId = txtDriverID.Text;
    string statdetails;

    statdetails = "Status Id: " + statId + " " + Environment.NewLine + "Driver
Id: " + drivId + " " + Environment.NewLine + "Date Picked up: " + datePickUp + " " +
Environment.NewLine + "Date delivered:" + dateDeliv + Environment.NewLine +
Environment.NewLine;
    rtxtStatus.Text = rtxtStatus.Text + statdetails;

    using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt",
true))
    {
        writer.WriteLine(statdetails);
    }
    TextboxClear();
}

private void btnDelete_Click(object sender, EventArgs e)
{
    rtxtStatus.Text = "";
    using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt",
false))
    {
        writer.WriteLine(rtxtStatus.Text);
    }
    TextboxClear();
}

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

private void dtgStatus_CellClick(object sender, DataGridViewCellEventArgs e)
{
}

private void FrmStatus_Load(object sender, EventArgs e)

```

```
    {
        TextBoxClear();
        String stsInfo = "Status information: " + Environment.NewLine;
        rtxtStatus.Text = stsInfo;

        using (StreamWriter writer = new StreamWriter("d:\\tmp\\status.txt",
true))
        {
            writer.WriteLine(stsInfo);
        }
    }
}
//6955 Laikin Barnard
```


Results:





