```csharp
1 //Alexander Popov
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3 //CS460
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5
6 using System;
7 using System.Collections.Generic;
8 using System.ComponentModel;
9 using System.Data;
10 using System.Drawing;
11 using System.Linq;
12 using System.Text;
13 using System.Windows.Forms;
14 using System.IO.Ports;
15
16 namespace iRobot
17 {
18     public partial class SetPortPopUp : Form
19     {
20         iRobot.Form1 mainForm;
21         public SetPortPopUp(Form1 mainForm)
22         {
23             this.mainForm = mainForm;
24             InitializeComponent();
25         }
26         //Read all of the current COM ports fromt he serial port and add them to the
    comboBox
27         private void SetPortPopUp_Load(object sender, EventArgs e)
28         {
29             //Ensure this form is on top of all other forms in windows
30             this.TopMost = true;
31             foreach (string port in SerialPort.GetPortNames())
32             {
33                 comboBoxPorts.Items.Add(port);
34             }
35         }
36         //Set the serial ports COM port to selected one, start the bumper thread and
    exit this PopUp
37         private void buttonOk_Click(object sender, EventArgs e)
38         {
39             mainForm.sp.Close();
40             mainForm.sp.PortName = comboBoxPorts.SelectedItem.ToString();
41             mainForm.Start_CheckToStopThread();
42             this.Close();
43         }
44     }
45 }
46
```