```csharp
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 MySql.Data.MySqlClient;
11 using System.Text.RegularExpressions;
12
13 //http://ec2-54-226-9-216.compute-1.amazonaws.com/phpmyadmin/
14 //f2016_s1_user16
15
16
17 namespace customerSignUp
18 {
19     public partial class Form1 : Form
20     {
21         private DBConnect db;
22         private MySqlConnection con;
23         private MySqlCommand cmd,comm;
24         private MySqlDataReader sqlReader,sqlReadCountries;
25
26         private int tripidSelected = 0;
27         private DateTime unselectedDateBirthGus0, departureDateForCal;
28         private string departDateToSqlFormat;
29         public Form1()
30         {
31             InitializeComponent();
32         }
33
34         private void Form2_Load(object sender, EventArgs e)
35         {
36             db = new DBConnect();
37             con = new MySqlConnection(db.getConnection());
38             con.Open();//to open sql Connection
39
40             /////////////////////////load data into
                   COMBOBOX/////////////////////////////////////////
41             cmd = new MySqlCommand();
42             cmd.CommandText = "SELECT count(TI.trip_id) as NumberOfDays,
                   T.departure_port, P.port_name AS departure,";
43             cmd.CommandText += "T.destination_port, Po.port_name AS destination
                   FROM TRIP AS T INNER JOIN PORTS AS P ON T.departure_port =
                   P.port_id ";
44             cmd.CommandText += "INNER JOIN PORTS AS Po ON T.destination_port =
                   Po.port_id inner join TRIP_ITINERARY as TI on TI.trip_id =
                   T.trip_id ";
45             cmd.CommandText += "group by TI.trip_id";
46             cmd.Connection = con; // using the query and connect to mysql
```

```
47              sqlReader = cmd.ExecuteReader();//activate SQLReader to read
                    DEPARTMENT TABLE from MySQL
48
49           while (sqlReader.Read()) // while READING
50           {
51               tripDetails.Items.Add(sqlReader["NumberOfDays"] + "-DAY PASSAGE
                    FROM " + sqlReader["departure"] + " TO " + sqlReader
                    ["destination"]);//read what? assigned to read DepartmentName
                    column from DEPARTMENT Table
52           }
53           sqlReader.Close();//always close after open SQL method.
54
55           comm = new MySqlCommand();
56           comm.CommandText = "select country_name from COUNTRY group by
                country_name";
57           comm.Connection = con;
58           sqlReadCountries = comm.ExecuteReader();
59
60           while (sqlReadCountries.Read())
61           {
62               countryInput.Items.Add(sqlReadCountries["country_name"]);
63           }
64           sqlReadCountries.Close();
65
66
67           //////////////////    create DateTimePicker    //////////////////////
68           dateOfBirthGus0.Format = DateTimePickerFormat.Custom;
69           dateOfBirthGus0.CustomFormat = "MMMM dd, yyyy";
70           unselectedDateBirthGus0 = dateOfBirthGus0.Value;
71
72           //////////////////     load default values = "1" onto Number Of Guest
                combo box    //////////////////////
73           numberGuestInput.SelectedIndex = 0;
74
75       }
76       public void comboBox1_SelectedIndexChanged(object sender, EventArgs e)
77       {
78           //////////////////     load trip depart date and ship name details
                onto textboxes    //////////////////////
79           db = new DBConnect();
80           tripidSelected = tripDetails.SelectedIndex + 1;
81           string query = "select T.departure_date as DPartDate,S.ship_name as
                shipName from TRIP as T ";
82           query += "inner join SHIP as S on S.ship_id = T.ship_id where
                T.trip_id =" + tripidSelected + ";";
83           MySqlConnection conDataBase = new MySqlConnection(db.getConnection
                ());
84           MySqlCommand cmdDataBase = new MySqlCommand(query, conDataBase);
85           MySqlDataReader myReader;
86           try
87           {
88               conDataBase.Open();
```

```
89                  myReader = cmdDataBase.ExecuteReader();
90                  while (myReader.Read()) // while READING
91                  {
92                      string shipName = myReader.GetString("shipName");
93                      departureDateForCal = (DateTime)myReader["DPartDate"];
94                      departDateToSqlFormat = departureDateForCal.ToString("yyyy-  ⏎
                        MM-dd");
95                      txtBoxDepartDate.Text = departureDateForCal.ToString("MMMM  ⏎
                        dd, yyyy");
96                      txtShipName.Text = shipName;
97                  }
98
99                  sqlReader.Close();
100             }
101             catch (Exception ex)
102             {
103                 MessageBox.Show(ex.Message);
104             }
105
106         }
107
108         private void button1_Click(object sender, EventArgs e)
109         {
110
111             /////////////////////////////  validate                          ⏎
                  inputs   /////////////////////////////
112
113             bool wrong = false;
114
115             if(tripDetails.SelectedIndex > -1)
116             {
117                 labelItinerary.ForeColor = Color.Black;
118                 labelItinerary.Text = string.Empty;
119             }
120             else
121             {
122                 labelItinerary.ForeColor = Color.Red;
123                 labelItinerary.Text = "x";
124                 wrong = true;
125             }
126
127             if (inputValidation.checkEmail(emailInput.Text.ToString()))
128             {
129                 labelEmail.ForeColor = Color.Black;
130                 labelEmail.Text = string.Empty;
131             }
132             else
133             {
134                 labelEmail.ForeColor = Color.Red;
135                 labelEmail.Text = "x";
136                 wrong = true;
137             }
```

```
138
139
140             if (inputValidation.checkNames(fNameInput.Text.ToString()) &&           ⏎
                  fNameInput.Text.Length > 2)
141             {
142                 labelFName.ForeColor = Color.Black;
143                 labelFName.Text = string.Empty;
144             }
145             else
146             {
147                 labelFName.ForeColor = Color.Red;
148                 labelFName.Text = "x";
149                 wrong = true;
150             }
151
152             if (inputValidation.checkNames(lNameInput.Text.ToString()) &&           ⏎
                  lNameInput.Text.Length > 1)
153             {
154                 labelLName.ForeColor = Color.Black;
155                 labelLName.Text = string.Empty;
156             }
157             else
158             {
159                 labelLName.ForeColor = Color.Red;
160                 labelLName.Text = "x";
161                 wrong = true;
162             }
163
164             if (inputValidation.checkPhone(phNumbeInput.Text) &&                    ⏎
                  phNumbeInput.Text.Length > 3)
165             {
166                 labelPhone.ForeColor = Color.Black;
167                 labelPhone.Text = string.Empty;
168             }
169             else
170             {
171                 labelPhone.ForeColor = Color.Red;
172                 labelPhone.Text = "x";
173                 wrong = true;
174             }
175
176             if (inputValidation.checkCity(cityInput.Text.ToString()) &&             ⏎
                  cityInput.Text.Length > 3)
177             {
178                 labelCity.ForeColor = Color.Black;
179                 labelCity.Text = string.Empty;
180             }
181             else
182             {
183                 labelCity.ForeColor = Color.Red;
184                 labelCity.Text = "x";
185                 wrong = true;
```

```csharp
186                 }
187
188             if (countryInput.SelectedIndex > -1)
189             {
190                 labelCountry.ForeColor = Color.Black;
191                 labelCountry.Text = string.Empty;
192             }
193             else
194             {
195                 labelCountry.ForeColor = Color.Red;
196                 labelCountry.Text = "x";
197                 wrong = true;
198             }
199
200             if (addressInput.Text.Length > 8)
201             {
202                 labelAddress.ForeColor = Color.Black;
203                 labelAddress.Text = string.Empty;
204             }
205             else
206             {
207                 labelAddress.ForeColor = Color.Red;
208                 labelAddress.Text = "x";
209                 wrong = true;
210             }
211
212             ////////////////   validate
                   dateOfBirthGus0    ////////////////////////
213             if (dateOfBirthGus0.Value != unselectedDateBirthGus0)
214             {
215                 labelDateGus0.ForeColor = Color.Black;
216                 labelDateGus0.Text = string.Empty;
217             }
218             else
219             {
220                 labelDateGus0.ForeColor = Color.Red;
221                 labelDateGus0.Text = "x";
222                 wrong = true;
223             }
224
225
226             if (wrong == false)
227             {
228                 ///////////////////   pass values to next
                       form    /////////////////////////////
229                 MapForm nextForm = new MapForm(fNameInput.Text.Trim(),
                       lNameInput.Text.Trim(), phNumbeInput.Text.Trim(),
                       addressInput.Text.Trim(), countryInput.Text.Trim(),
                       emailInput.Text.Trim(), txtShipName.Text.Trim(),
                       numberGuestInput.Text, cityInput.Text.Trim(),
                       dateOfBirthGus0.Value, txtBoxDepartDate.Text,
                       departDateToSqlFormat, departureDateForCal,
```

```
                    tripidSelected.ToString(), tripDetails.Text);
230                 this.Hide();
231                 nextForm.ShowDialog();
232                 this.Close();
233
234             }
235         else
236         {
237             MessageBox.Show("Please fill up every boxes correctly");
238         }
239         con.Close();
240
241     }
242
243   }
244 }
245
246
247
248
```