LAB GOALS

Interacting with Google Map. Locating objects, addresses, etc, using Latitude and Longitude coordinates obtained from a GPS device.

Step 1: Create a new Windows project named “GoogleMap”. Do not forget to include:

Option Explicit On
Option Strict On

Step 2: Create the Following GUI:

2 Buttons
- Show Map
- Quit

2 Labels
- Latitude
- Longitude
- Interacting with Google Map

2 Textboxes
- To correspond with the latitude and longitude labels.

1 WebBrowser
- To display the Google map.

Step 3: Double Click the “Quit” Button: Create a proper event handler to exist the application:

Step 4: Compile and run the program. Make sure the program compiles and runs at this point.

Step 5: Double Click the “Show Map” Button: Type the following code in the event handler.

```
Dim queryAddress As String
queryAddress = "http://maps.google.com/maps?q=
If TextBoxLatitude.Text <> String.Empty Then
    queryAddress = queryAddress & TextBoxLatitude.Text & ","
End If
If TextBoxLongitude.Text <> String.Empty Then
    queryAddress = queryAddress & TextBoxLongitude.Text
End If
MessageBox.Show(queryAddress)
WebBrowser1.Navigate(queryAddress)
```

Step 6: Compile and run the program: When the program executes, type in the following latitude “N 41 39.78” and longitude “W 86 13.214”

Step 7: Try a few more coordinates.