

OODPE – Lab 2 (Active X Controls in Web Page)

1. Make a new project with name **ActiveXDotNet**: new project -> C# Language -> Class Library.
2. Delete **Class1.cs** from the Solution Explorer.
3. Add **User Control** to the project and name it **myControl**.
4. In the grey area add a textBox control. Rename it to **txtUserText**.
5. From Solution Explorer -> +Properties -> open (double click) **AssemblyInfo.cs**. Find where is ComVisible(false) and change **false** with **true**.
6. Add a new interface to the project: In Solution Explorer right click on the project -> Add -> New Item -> Interface and name it **AxMyControl**.
7. Replace the code with:

```
public interface AxMyControl
{
    String UserText { set; get ; }
}
```

8. Open the file myControl.cs by right-click on it in Solution Explorer and then View Code.
9. In myControl class add:

```
private String mStr_UserText;
public String UserText // public property.
{
    get { return mStr_UserText; }
    set
    {
        mStr_UserText = value;
        //Update the text box control value also.
        txtUserText.Text = value;
    }
}
```

10. In the first line of the class add the following call of the Interface in red:

```
public partial class myControl : UserControl , AxMyControl
```

11. Build the project by: Bulid -> Bulid Solution. If there are any errors, call the teacher.

12. Find the .dll file that you just build and copy it to the Desktop.

13. Open NotePad and copy this code in it:

```
<html>
  <body color=white>
    <hr>
      <font face=arial size=1>
        <OBJECT id="myControl1" name="myControl1"
classid="ActiveXDotNet.dll#ActiveXDotNet.myControl">
          </OBJECT>
        </font>
        <form name="frm" id="frm">
          <input type="text" name="txt" value="enter text here"><input
type=button value="Click me" onClick="doScript();">
        </form>
      <hr>
    </body>
<script language="javascript">
  function doScript()
  {
    myControl1.UserText = frm.txt.value;
  }
</script>
</html>
```

14. Save the file on the Desktop with name **activex.html**

15. Copy both the **html** file and the **dll** file in this folder: C:\inetpub\wwwroot . If you are asked for password – call the teacher!

16. Start your page in Internet Explorer with the address: **localhost/activex.html**