LAB 2

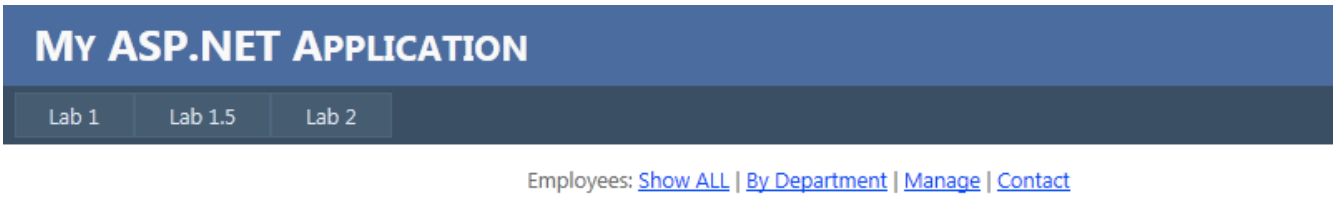
In the portal, I've uploaded a web site which uses a master page with three tabs “Lab1”, “Lab1.5” and “Lab2”. Additionally, there are three folders in the solution similarly labeled where the contents of Lab1, Lab1.5, & Lab2 will reside respectively. Using this site you need to do the following:

Part A) Convert Lab1 so it operates on this new site and becomes visible when Lab1 tab is clicked. Remember it was a single file on Lab1, so it will continue to be a single file on Lab2. Make sure it uses the Site.Master as the master page. This will test your knowledge in setting up (or migrating) a page with a master page, working with paths, and general knowledge of page and control organization. You will be graded on the following important points:

Migrate all the CSS you used for Lab1 to this file in this folder
Reference any css file with a relative path on the new page where Lab1 will be residing
You should be able to migrate the code behind as well. In most instances this should be simply copy and paste, but in some, you may need to make sure the code behind is appropriately referenced by the controls on the ASPX page (we did some of this in class and is a common scenario in troubleshooting asp.net maintenance).

IMPORTANT: You cannot touch or modify any file outside of the Lab1, Lab15 & Lab2 folders for this assignment.

Part B) We're going to manage employees of company. We are going to have four pages for Lab2. These pages are all going to use the same master page to share the links an all the pages. Call these pages (A**ll.aspx, Manage.aspx, Department.aspx, Contact.aspx**) and they should reside under the Lab2 folder along with the master page.



All.aspx

Will list employess in a GridView control. As an example, here is a sample grid view control with some formatting.

NOTE: The screenshot doesn't show it, but there is a fourth column “IT Passcode”

Name	Department	Phone

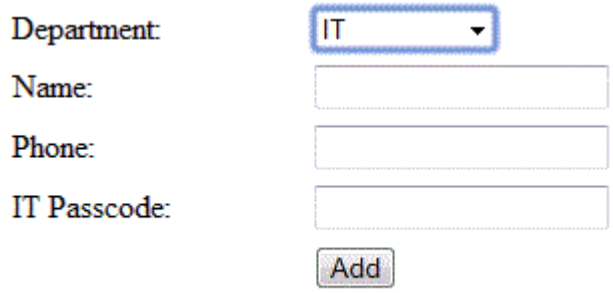
Department.aspx

Leave blank for this lab.

Manage.aspx page

Will allow you to add employees. A form like this would be suitable but doesn't necessarily need to look like this. The department drop down list will have "Sales, IT, Marketing, Executives".

There is only one caveat though, when the user switches the dropdown list to IT, a new field becomes available like this.



The above forms need to have the following validations applied:

- All visible fields need to be required
- Phone must be entered in the dash format (333-444-5555)
- Names must contain only letters and consist of two parts with only once space in between (eg. Peter Piper)
- Both client and server validation needs to be applied.
- All Validation controls should use the css class "lab2Validation" which should make them appear in red & italic.

When the add button is clicked, you'll package the values into an Employee object. An employee object has already been provided for you as part of the project. If you type:

```
Employee e = new Employee();
```

You will see the type exists and the program compiles fine. You can use the second constructor which accepts all the fields. You will add and aggregate employees into an collection such as an ArrayList or more refined list using generics such as List<Employee>. Make sure you check which department is selected and not forget to include the IT passcode value if IT department is selected.

NOTE: After adding an employee, you need to clear all the text fields.

You will verify the employees are in the list by clicking to the "Show All" tab (which loads the **All.aspx** page) and show them using the GridView. You will use the Session[...] object to store the list of employees and retrieve it from the session as necessary on the other pages (We'll discuss this in next class).

Contact.aspx

This page can be left blank.

How I will grade this:

- I will test Lab1 to make sure it works and uses master pages (10 pts)
  - no files message
  - files should appear if I add them just like lab 1
- I will test Lab1.5 to make sure it works and uses master pages (10 pts)
- I will then click each of the links for Lab2 "Show All, By Department, Manage, & Contact"
  - validation is all correct as specified (both server & client) (20pts)
  - correct use of master pages (e.g. the links should not be duplicated) (15pts)
- I will then add two employees, one from IT & one not from IT
  - form interacts as expected (e.g. it shows it passcode field) (15pts)
- I will verify these employees appear in the Grid by clicking the "Show All" & the IT pass codes entered appear for the IT employees and do not appear for the non-IT employees (20 pts)
- I will review the code to make sure no files were touched outside of the Lab1 & Lab2 folders. (10pts)