LAB 2

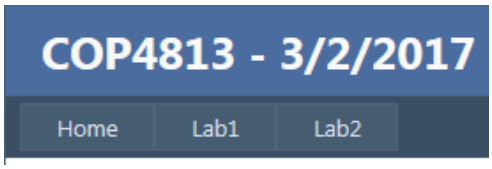
Objectives:

- using masterpages for building websites with common look & feel
- using nested master page for building common look & feel for sections of a web site
- manually integrating non-master page into master page web site
- referencing content with proper URLs
- utilizing CSS to format elements on the page
- working with libraries

In the portal, I've uploaded a web site which uses a master page with a tabs “Lab1” and “Lab2”. Additionally, there are two folders in the solution similarly labeled where the contents of both Lab1 & 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. You will need to upgrade your page however so it uses the Site.Master as the master page. This will test your knowledge in setting up (or migrating) a page to use a master page, working with paths, and general knowledge of page and control organization. The page should work similarly as it worked previously, however within the new view.

Update the site and use the code behind so current date appears next to the class name on all the pages as shown.



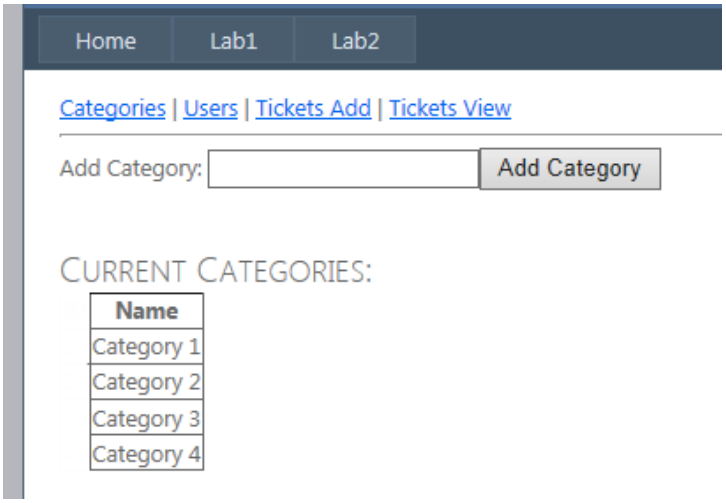
Part B - We are going to create a ticketing system. The functionality will be limited since we have not covered databases yet, however we will create the necessary screens and utilize master pages to break down the pages for our functionality.

IMPORTANT: You will use a provided API library to manage the categories and registrations. Since we have not covered databases yet, the API utilizes the file system for storing data. The code behind of default.aspx shows you how it can be used.

Page 1 (Category.aspx) – Category Management Page

When tickets are added to the system, they will need to be associated to a category. Therefore before adding tickets, we would first need to make sure we add categories available for us to select from later. This page will simply have a text field along with a button allowing the visitor to add a category to the system.

Additionally, you will need to list all the categories currently in the system.



Note:

- *Basic validation should not allow categories with minimum of 1 character upto 20 characters.*
- *You should also not allow duplicate categories.*

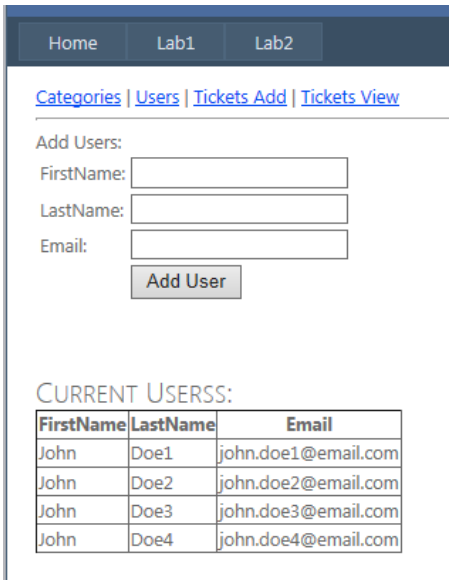
Page 2 (Users.aspx) – User Management Page

Similar to Category management, you will need to be able to add users to the system. This will allow you to associate a ticket to the user similar to how it's associated to the category.

User will have the following fields with specified validations

- FirstName (1 to 20 characters)
- LastName (1 to 20 characters)
- Email (must not be blank)

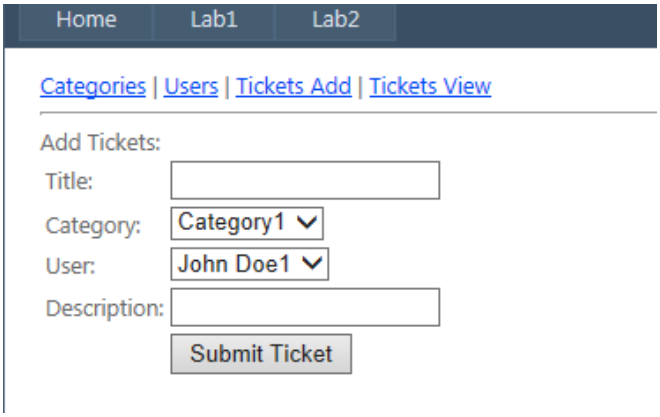
If any of the validations fail, a simple message should show prior to adding the the user.



Page 3 (TicketsAdd.aspx) – Ticket Management Page

Similar to the previous to pages, you will need to add the ability to create tickets. These tickets will have the following fields along with their validations:

- title (string no more than 50 characters)
- category (selection from a list based on entries added from previous steps
- designated user (selection from a list based on entries added from previous steps)
- description (larger text area)



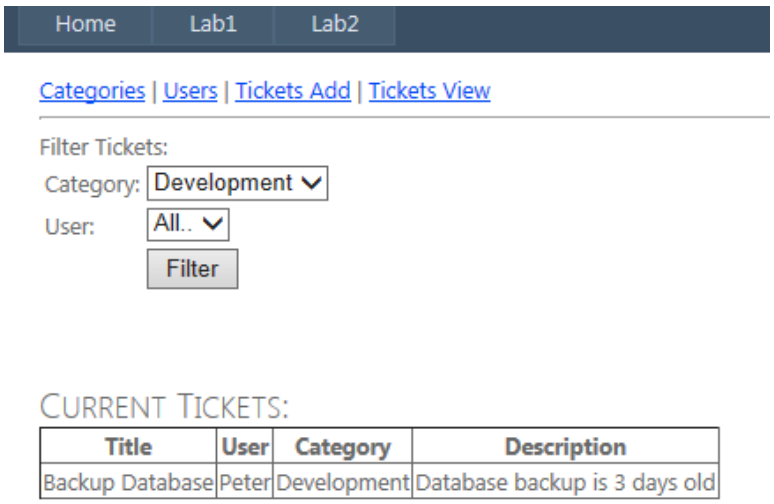
NOTE:

Basic validation. Make sure the values are required. Show the user with a red label indicating he did not fill in the fields correctly.

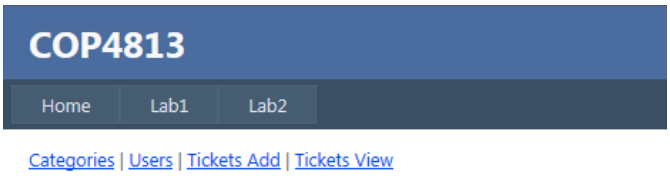
Page 4 (TicketsView.aspx) – Viewing and filtering tickets by Category and by User

This page allows you to filter all the tickets in the system by either Category or User. You choose which one you want to do. By default, the filter will will show "All". If user selects a specific category, then all the tickets related to the category will appear. If user selects a user, similarly, the tickets designated to the selected user are shown.

Bonus: If you choose to do both, then if user selects both a category & a user, you show tickets which are associated to both.



All of these page will share a master page within the Lab2 folder so keep a consistent set of links for each page as shown below.



How I will grade this:

- 5 – Enter your name on the default aspx page, and enter the points you expect for the lab based on the review of all the points below.
- 10 – successfully import and include lab1 under lab1 tab
- 25 – master pages are all setup correctly, with nested master page for lab2. This master page should contain the links "Categories, Users, Tickets Add, Tickets View".
- 5 – add and show categories
- 5 – validation message informing users he/she cannot submit a blank category
- 5 – prevent duplicate categories
- 5 – add and show users
- 5 prevent duplicate users with same email
- 5 validation message informing user he/she cannot submit a blank first, last, or email
- 10 – add and show tickets
- 10 – filter tickets by category or by user
- 5 – show the current date on all the pages in the header as shown; this should be on primary master page
- 5 – all validations with "length" are correct, max length for title for example is 50, first & last name is 20, etc.