Client Checkpoint #2

Starting your Client Database in SQL
and your first Master and Menu Pages in ASP

This project is comprised of two segments. The first segment is starting your client database; this will be a TEAM effort. The second segment is building your first master page and menu inside ASP.NET; this will be an individual effort. A sample working project may be found at http://miscapstone.uncw.edu/413Examples

Part A: MS SQL Client Database – Minimum 3 tables related to Person, this step will be graded as a team effort (same grade all members).

1. In your MS SQL Database the team should design three tables related to your Person Object.
2. Please review User Guide 2.0 on the class web site for guidelines related to table and attribute naming conventions in SQL.
3. Review your MIS 411 project for objects/entities that could be combined into one Person Table
4. Build the table: “person”; expectations are:
   a. Field/attributes names should be clear and in camel case
   b. Create a primary key - personID as an auto Identity field
   c. Create the proper field/attribute types for your fields/columns
   d. Add other fields to support your design
5. Build a validRoles table that will support the different types of users, (i.e. student, faculty, employer etc)
   a. This table typically has two columns, a roleID and roleDesc
6. Build an “Associated Table” to support that a person may have more than One Role, this table should be named: personRoles and it typically has two columns/attributes.
7. Build a Database Diagram to demonstrate the relationships between the three tables, name this diagram PersonRelationships.
8. Populate your tables with at least 3 records each, you should populate in the following order to reduce data integrity issues: validRoles, person and then finally personRoles.

Grading for Part A: Send one email for the team to janickit@uncw.edu when the Database is ready for grading;
   a. the subject line should be Project #2 DB ready for grading,
   b. the content of the email should have the names of all team members
   c. the name of the database
   d. copy all team members in the cc so everyone knows it was submitted

Part B to Part E: Create a new web site on your desktop, each team member creates their own web site. Each member is graded independently. A working demo of this project may be found at: http://miscapstone.uncw.edu/413examples/
1. Follow User Guide 1.0 (starting a new web site) found on the class web site on how to establish a new web site. When a folder name is requested (Step #5), name the folder: your last name Client Project as in: **smithClientProject**.

2. Once you have completed B.1 above, there should be 7 folders and 11 other files prebuilt for you in the web site - including: default.aspx page, a web.config and app_data folder in your visual studio project; we will learn about these objects / files as we proceed this semester.

**Modify your site.master page** (a parent page that impacts the look on all future pages)

3. Click on the site.master file link in the Solution Explorer Window. This is a ‘container’ that will maintain an overall look and feel for your site. Should you accidentally hide any of the side menus they may be found by clicking VIEW from the top menu bar and then the respective menu item.

4. It may be helpful to see the code and the design view at the same time; click the SPLIT tab option (bottom left of your screen).

5. In the HTML (source) view, locate the MenuItems that have a text property of HOME and ABOUT; these items create the tabs across the top of the page that your user will be able to click to be taken to specific future areas of your web site. We will modify these tabs and add others as we proceed this semester.

6. Find the “ABOUT” menuitem and replace the text property to read: ”Menu”, modify the href to equal = “~/menu.aspx” We have not created the menu.aspx page, however we will shortly so you might get a “squiggle” that warns -- the page does not exist at this point.

7. Hit save and then run and you will see your top menu bar has changed.

8. Revise the Name of the Project to be included with all Title information.
   a. Modify the title tag (line 9 in my project), replace **Application Name** (line 49) with the name of your project.
   b. `<title>` Page.Title % - Your Project Name`</title>

9. To avoid the ‘squiggle’, build the menu.aspx page. Right click on the ‘globe’ at the top of the Solution Explorer and select ADD then ADD NEW ITEM. Select WEB FORM. Then check the SELECT MASTER PAGE option. Finally rename the web form from default2.aspx to **menu.aspx**. Click OK/Continue.

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It will give you an option to select a master page (some sites have more than one). Select SITE.master and then OK. Your solution explorer will now have an menu.aspx (for HTML) and an menu.aspx.cs (for CODE)

10. Find the footer div on your master page (near bottom), add your name and email to the footer after the copyright information.
   a. Add a label after the copyright information (© DateTime.Now.Year)
   b. Modify the text : - Application designed and developed by:
   c. Add an ASP Hyperlink to the row
   d. Modify the text property to be your name
   e. Modify the navigate URL to be your email as in. mailto:xxxxx@uncw.edu

Part C: Back on the Default Page

11. To practice some other tools, add an image to the default page.
   a. Add a images folder to your project
   b. Download an image and place in this images folder, it can be a UNCW logo or any other image you desire.
   c. You might need to resize the logo (use Paint/resize to resize your logo)
   d. If you want a UNCW logo you can go to: http://uncw.edu/licensing/licensing-logos.htm
   e. You will need to refresh the folder to actually see the image listed in the folder (click on the images folder then hit the recycle icon above the bolded path/folder in the solution view).

12. Adding an image tag to the page:
   a. Slide an ASP IMG tag from the toolbox to immediately in front of the .H1 under Jumbotron (around line 6)
   b. Once the image tag is on the page delete the H1 to /H1 tab.

13. Once placed on the page, locate the PROPERTIES window and set the following properties:
   f. Image URL – click on the ellipses and point to the image file in your images folder.
   g. Set the Alternate Text property to provide an accurate description of the image for ADA and browsers to read.

14. Under your image, replace the ASP with the title of your project and an overview of the project
   <h2>Project Title</h2>
   <p class="lead"><br />
   Describe in one or two sentences your project</p>

15. Remove the Learn More Button

16. Also on the default.aspx page replace the text for the three columns to be:
   a. Key Deliverables
      i. Suggest a <ul><li>Deliverable 1</li><li>Deliverable 2</li>..</ul>
   b. Key Users
      i. Suggest a <ul><li>List of Key Users</li></ul>
c. Team Members
   i. Add all team members

17. See the sample project http://miscapstone.uncw.edu/413Examples

18. Try to build a habit to change the TITLE tag upon starting a new page. Look at the Top Line of Code (source view) and modify the Page Title to be descriptive of your page, in this case: Project Overview. It will pick up the project title from the master page.

Part D: Modify menu.aspx page to display your starting menu for your project. Return to your Checkpoint #1 document and review the starting menu you submitted as part of that checkpoint. We are going to build a menu page to represent your thoughts as of this point.

19. Again quickly modify the title tag: Menu

20. In the source HTML view look for the Content Placeholder – MainContent. Between the MainContent and the /Content We will add a h1 tag at the top left of every page:

\[<h1>
<asp:Label ID="Label1" runat="server" Text="Menu of Work Items"></asp:Label>
</h1>\]
<br/><br/>

21. After the <br/> tags add in your menu items from CP #1

\[<h4>
<asp:Label ID="Label1" runat="server" Text="Administrative Items"></asp:Label></h4>
<ul>
<li>
<asp:Label ID="Label3" runat="server" Text="Add Companies"></asp:Label>
</li>
<li>
<asp:Label ID="Label4" runat="server" Text="Modify/Delete Companies"></asp:Label>
</li>
</ul>
<h4>
<asp:Label ID="Label5" runat="server" Text="Student Items"></asp:Label></h4>
<ul>
<li>
<asp:Label ID="Label6" runat="server" Text="Login/SignIn"></asp:Label>
</li>
<li>
<asp:Label ID="Label7" runat="server" Text="Review Current Listings"></asp:Label>
</li>
</ul>

22. Save all and RUN!
Part E: Copy to the server and TEST

23. Move the project to the server. See the class web site for the path to the server (under the folders link) you will upload your project. Find your folder on the miscapstone server and copy and paste all your files to this site. **DO NOT copy the top level folder (lastnameClientProject) on your desktop to the web server, but copy all files in this folder on your desktop to the folder on the miscapstone.**

24. Please **TEST** your project by entering the public link as in:  
http://misCapstone.uncw.edu/YourFoldername, the project should load, and click the MENU in the navigation menu to see your Menu page.

25. Send an email indicating that the project is ready for grading to: janickit@uncw.edu with a link to your mini project on the misCapstone server. Please make the subject line: **MIS 413 – ClientCheckpoint #2**. The email link should be similar to: 
http://misCapstone.uncw.edu/YourFolderName - **NOTE LOCALHOST** should not be part of the http: link.
### MIS 413 – CP#2 Grading / ASP Net Portion
#### 50 Points Max (individual)

<table>
<thead>
<tr>
<th>Master Page</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Menu Tabs Updated</td>
<td>4 Name of Project in Heading</td>
</tr>
<tr>
<td>4 Footer Updated (mailto works)</td>
<td></td>
</tr>
</tbody>
</table>

**Default.aspx modified**

<table>
<thead>
<tr>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Image with ALT property</td>
</tr>
<tr>
<td>4 Name/purpose of project</td>
</tr>
<tr>
<td>4 Team Members listed</td>
</tr>
<tr>
<td>4 Key Benefits and Users detailed</td>
</tr>
<tr>
<td>2 Title Tag</td>
</tr>
</tbody>
</table>

**Menu page**

<table>
<thead>
<tr>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 H1 describing page function</td>
</tr>
<tr>
<td>2 Featured Content Updated with h2 and label</td>
</tr>
<tr>
<td>14 Menu/Project Plan built with h4 and ul/ol</td>
</tr>
<tr>
<td>2 Title Tag</td>
</tr>
</tbody>
</table>

### MIS 413 – CP#2 Grading / DB Portion
#### 50 Points Max

**Person Table**

<table>
<thead>
<tr>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Primary Key Correct and Identity</td>
</tr>
<tr>
<td>4 Field Names Proper</td>
</tr>
<tr>
<td>4 Field Types Proper</td>
</tr>
<tr>
<td>10 Appropriate # of Fields to support project</td>
</tr>
</tbody>
</table>

**ValidRoles**

<table>
<thead>
<tr>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Fields/Types correct</td>
</tr>
</tbody>
</table>

**PersonRoles**

<table>
<thead>
<tr>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Fields/Types correct</td>
</tr>
</tbody>
</table>

**Relationship Diagram**

<table>
<thead>
<tr>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Supports the proper relationships</td>
</tr>
</tbody>
</table>

**Tables Populated**

<table>
<thead>
<tr>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 At least 3 records in each table</td>
</tr>
</tbody>
</table>