

Homework 6

1.264, Fall 2013

Web site for aircraft parts distributor, part 1: static pages

Due: Wednesday, October 30

A. Web site

You will build the Web site for the aircraft parts distributor in homework sets 6 and 7. (In homework 7 and, for extra credit in homework 8, you will build pages linked to your SQL Server database. You will allow users to display aircraft parts and your own staff to edit aircraft parts.) Use Visual Web Designer and ASP.NET as covered in lecture.

In homework 6, you will lay out your Web site without using any database connections. Create a few static (XHTML) pages as needed, create other XHTML pages as placeholders where you will put dynamic content in homework 7, design and implement hyperlink navigation among all your pages, design and implement a simple look and feel for your site, and include some graphics and external hyperlinks. This is a 'mini first spiral' for the Web site.

The details of this assignment are:

1. Set up a connection to your database. Use the database from the homework 5 solutions or your own, as you prefer.
2. Use a master page to provide a consistent look and feel. You may use the one given in lecture; modify the navigation links on the left as needed. Use the breadcrumb navigation (SiteMapPath) if you wish; it does not handle pages with querystring parameters (lecture 20) as well as it should—don't worry about that. (If you have the time and interest, we can give you a better SiteMapPath control.)
3. Create a home page for your site and other pages, consistent with your requirements. If some pages contain dynamic content obtained from a database, create 'placeholder' pages for them containing a brief text description of their function. You do not need to create more than 10 pages; you can have one static page describe the function of several dynamic pages that you would build in the next steps.
4. From each page, a user must be able to navigate, by using hyperlinks, to other pages. Make the navigation logical and easy for the user. Every page does not need to navigate to every other page, but logical navigation steps must be present.
5. Create at least the following pages:
 - a. Descriptions of your company, product lines, contact information, etc.
 - b. Links to at least two relevant external sites (e.g., aircraft parts industry association, regulatory agency) from a page with background information.
 - c. Product catalog overview page.
 - (1) Don't implement any catalog Web pages; they will be generated dynamically from your database in homework 7. Leave a placeholder page, which can be empty other than a title and header, for the catalog.
 - (2) Implement the design based on your requirements: Can all Web visitors see the catalog, or just those who have an account and have logged in?

- Can everyone see all information, or is price information, for example, available only to logged in users? Don't implement login controls; those are beyond the scope of this class, but do implement the correct design. If a user clicks on a login link, take him or her to the user pages. If a user is not logged in, only allow him or her to access the public pages.
- d. Carrier information pages. These are just placeholders; use one or two pages as placeholders for the dynamic pages you will implement in homework 7.
 - e. A login page, from which users can place an order. Again, don't implement the login or order page; just create a placeholder that you will complete for extra credit if you wish in homework 8. The ASP.NET login feature also supports creating and managing accounts; assume you will use that feature.
 - f. Order entry. Again, just use a one or two pages as placeholders for dynamic pages you will build in homework 7.
6. You must use XHTML and CSS, not HTML. You must have at least one internal and one external CSS style sheet. Use at least one class style and one tag style on your site. Please maintain a consistent style for all the pages on your site.
 - a. Your master page will have CSS formatting. Mimic this in the internal and external style sheets you create. In a real Web site, you would just use the master page. In this homework, we want you to have some practice creating and using style sheets on other pages.
 7. You must have a few images on your site. You should use a few XHTML features, such as lists, on your pages.
 8. Create your Web site on your notebook computer. See the course Web site for naming conventions that the TA asks you to follow.

Hand in

Hand in a zipped file that contains your Web site; upload it to the Web site.

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