

LBSC 690: Information Technology

Homework 04:

Separating content and structure

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This week, we extend the home page you built for yourself for LBSC 690, splitting the content over multiple pages, and controlling the styling using CSS.

Multiple pages *Split your web site into the following four pages:*

- 1. Your personal page, which introduces you.*
- 2. A page for LBSC 690, describing what you want to achieve for the course, and a link to the home page of the subject.*
- 3. A list of classes you have taken in your MLS so far.*

You should not have to create (much) new content for this part; just divide the existing content between the pages. Choose your own names, and use the extension “.shtml” (for the “Templating” section below). (Because we are using this extension, you will not be able to make any of these your default home page. If you would like to fix this, then there’s a trick to do so; let me know and I’ll help you.)

Navigation *Write a navigation section that allows the user to navigate between the three pages of your site. This navigation should appear on each page of your site, and should be separated in some way to make it clear that it is not part of the content of the site. (Note that in real site design, a navigation shows the current page as “selected” in some way; do not do this, unless you can figure out some way of making it work for the following points).*

Templating *Extract your navigation into a separate file, and use a server-side include to include it in each of your pages. NOTE: to do this, your files will have to have the “.shtml” extension.*

Styling with CSS Write an external CSS style sheet to achieve the following:

- Change the background color of the page to a color of your choosing except white. (If you can't choose anything, choose Fuchsia).
- Surround your navigation section with a solid border in a colour that suits your background color (blue, if you can't think of anything else).
- Make all subject codes appear in monospace font. You'll need to add tags around these subject codes where they appear in your site. Make use of CSS classes!

When complete, please email the address of the personal page to the instructor:

The navigation file, nav.shtml:

```
<p id="nav">
  <a href="home.shtml">Home</a> |
  <a href="lpsc690.shtml"><span class="subjcode">LBSC 690</span></a> |
  <a href="courses.shtml">Courses</a>
</p>
```

The home file, home.shtml:

```
<!DOCTYPE HTML PUBLIC
  "-//W3C//DTD HTML 4.01 Transitional//EN"
  "http://www.w3.org/TR/html4/loose.dtd">
<html>
  <head>
    <title>William Webber's home page</title>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
    <link rel="stylesheet" type="text/css" href="style.css">
  </head>

  <body>
    <h1>William Webber's home page</h1>

    <!--#include file="nav.shtml"-->

    <br>

    <h2>Academic background</h2>

    <p>I received a Bachelor of Arts (Honours), majoring in History,
    from the University of Melbourne, Australia. My
    Honours thesis was "William Chillingworth: A Too Nice Inquisition
    after Truth", on the mid-17th century English theologian.</p>

    <p>I received a Graduate Diploma in Computer Science from RMIT
    University in Melbourne, Australia.</p>
```

<p>I received a Masters of Engineering Science (Research) from the University of Melbourne. My Masters thesis was Design and Evaluation of a Pipelined Information Retrieval Architecture.</p>

<p>I received a Doctor of Philosophy from the University of Melbourne. My PhD thesis was Measurement in Information Retrieval Evaluation.</p>

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<p>Last updated: Thu May 10 12:06:51 EDT 2012</p>

<p>wew@umd.edu</p>

</body>

</html>

The LBSC file, lpsc690.shtml:

<!DOCTYPE HTML PUBLIC

"-//W3C//DTD HTML 4.01 Transitional//EN"

"http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<title>William Webber's LBSC 690 page</title>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8">

<link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

<h1>William Webber's LBSC 690 page</h1>

<!--#include file="nav.shtml"-->

<h2>Goals for LBSC 690</h2>

<p>My goals in teaching LBSC 690: Information Technology

in Spring 2012 are:

</p>

Give students hands-on experience in the different levels of web application development and deployment.

Connect the political, theoretical, and practical aspects of online information technology.

Gain experience in teaching at an iSchool, particularly

```

        to students of a non-technical background.</li>
</ul>

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<p><a href="mailto:wew@umd.edu">wew@umd.edu</a></p>
</body>
</html>

```

The courses file, `courses.shtml`:

```

<!DOCTYPE HTML PUBLIC
    "-//W3C//DTD HTML 4.01 Transitional//EN"
    "http://www.w3.org/TR/html4/loose.dtd">
<html>
  <head>
    <title>William Webber's courses</title>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
    <link rel="stylesheet" type="text/css" href="style.css">
  </head>

  <body>
    <h1>William Webber's courses</h1>

    <!--#include file="nav.shtml"-->

    <h2>Classes taught to date</h2>

    <p>In addition to <span class="subjcode">LBSC 690</span>,
    I have previously taught:
    </p>
    <ul>
      <li>An industry course on C++ programming at RMIT University.</li>
      <li>A graduate course on text compression and information retrieval
        at the University of Melbourne.</li>
      <li>An undergraduate course on Assembler and C programming at the
        University of Melbourne.</li>
    </ul>

    <hr>

    <p>Last updated: Thu May 10 12:06:51 EDT 2012</p>

    <p><a href="mailto:wew@umd.edu">wew@umd.edu</a></p>
  </body>
</html>

```

The CSS file, `style.css`:

```
body { background : fuchsia }  
#nav { border-color: blue; border-style: solid; border-width: 1px }  
.subjcode { font-family: monospace }
```