

Introduction to Web Design

Lecture #1: Introduction to HTML/CSS

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Student Information Processing Board (SIPB)

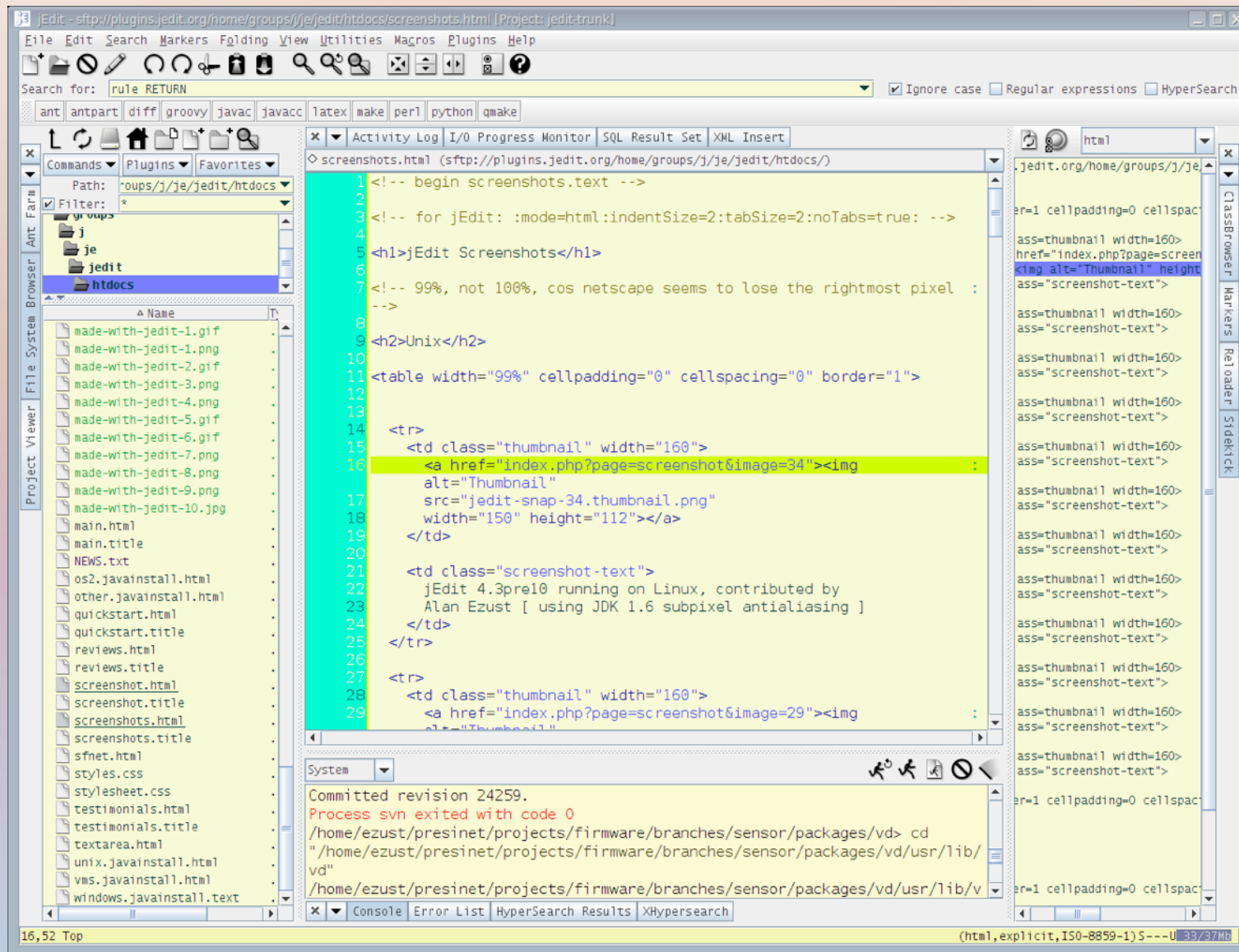
Overview

- Editors
- HTML document structure
- CSS
- Web browsers

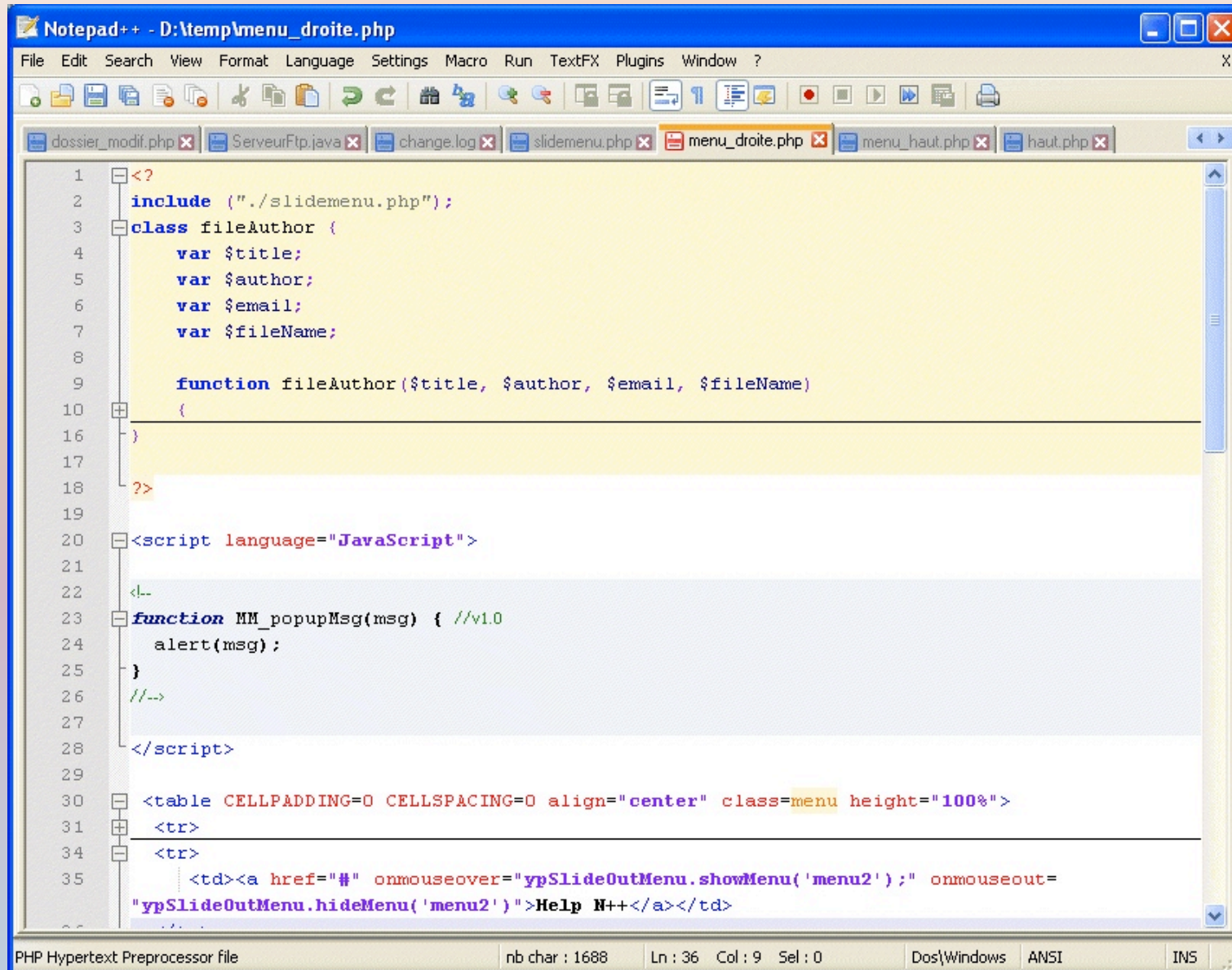
Text Editors

- jEdit
- Notepad++ (Windows only)
- Kate (Windows: partial)
- gedit
- Emacs
- Vim

Text Editors: jEdit



Text Editors: Notepad++

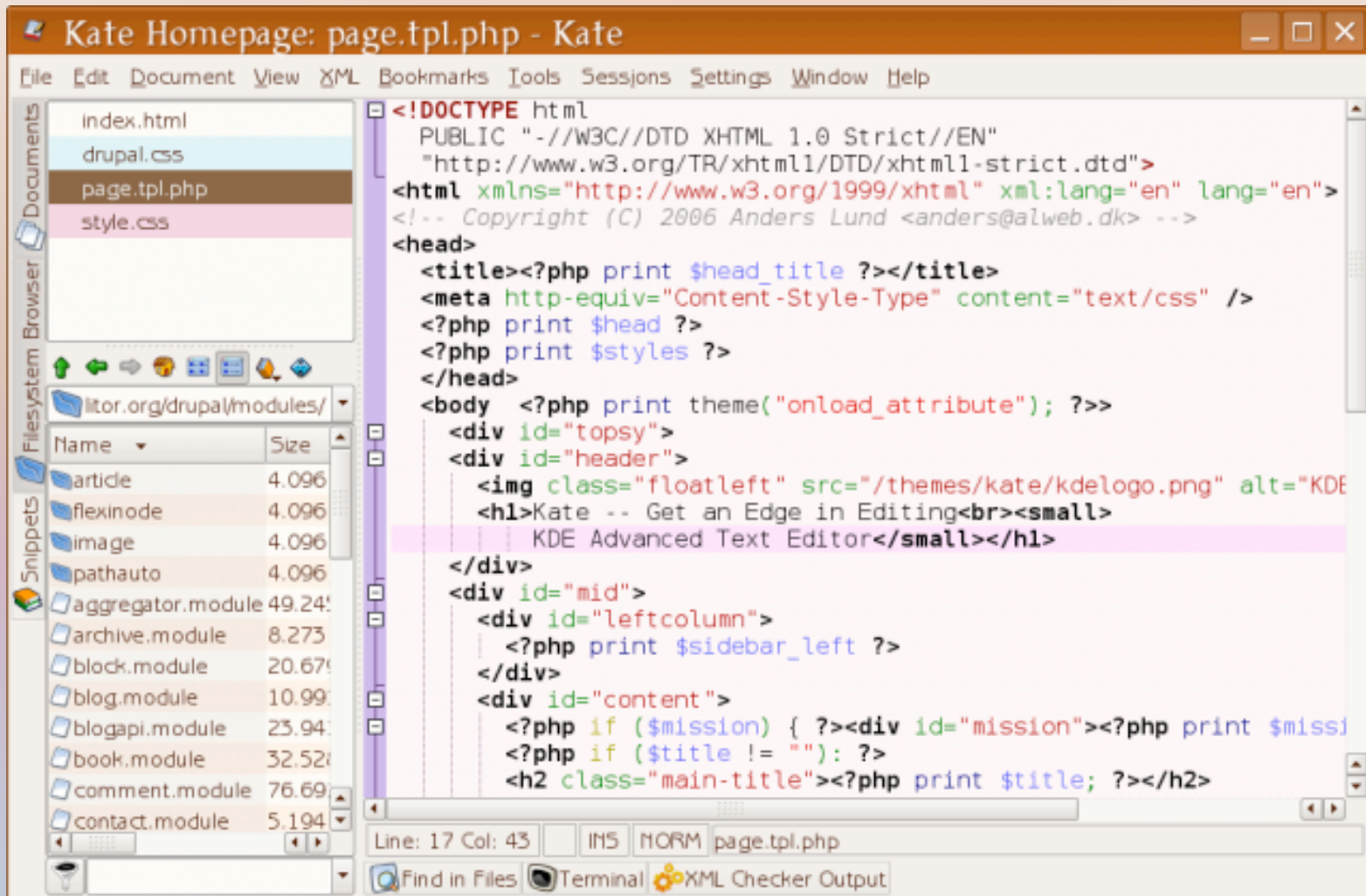


The screenshot shows the Notepad++ application window titled "Notepad++ - D:\temp\menu_droite.php". The window contains a code editor with the following content:

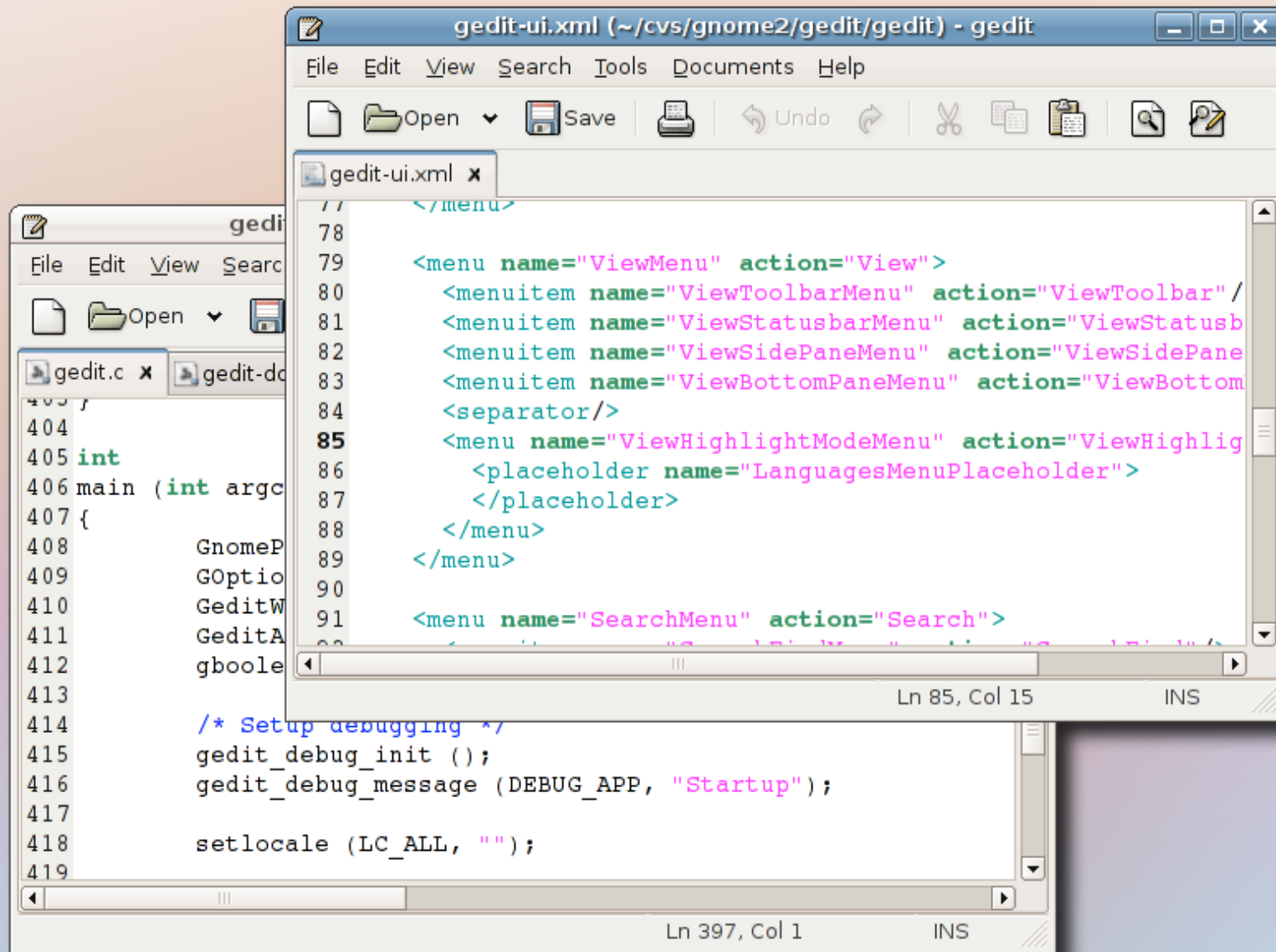
```
1 <?
2 include ("./slidemenu.php");
3 class fileAuthor {
4     var $title;
5     var $author;
6     var $email;
7     var $fileName;
8
9     function fileAuthor($title, $author, $email, $fileName)
10    {
16    }
17
18    ?>
19
20 <script language="JavaScript">
21
22 <!--
23 function MM_popupMsg(msg) { //v1.0
24     alert(msg);
25 }
26 //-->
27
28 </script>
29
30 <table CELLPADDING=0 CELLSPACING=0 align="center" class=menu height="100%">
31 <tr>
34 <tr>
35     <td><a href="#" onmouseover="ypSlideOutMenu.showMenu('menu2');" onmouseout="
        ypSlideOutMenu.hideMenu('menu2')">Help N++</a></td>
```

The status bar at the bottom of the window displays: "PHP Hypertext Preprocessor file", "nb char : 1688", "Ln : 36 Col : 9 Sel : 0", "Dos\Windows ANSI", and "INS".

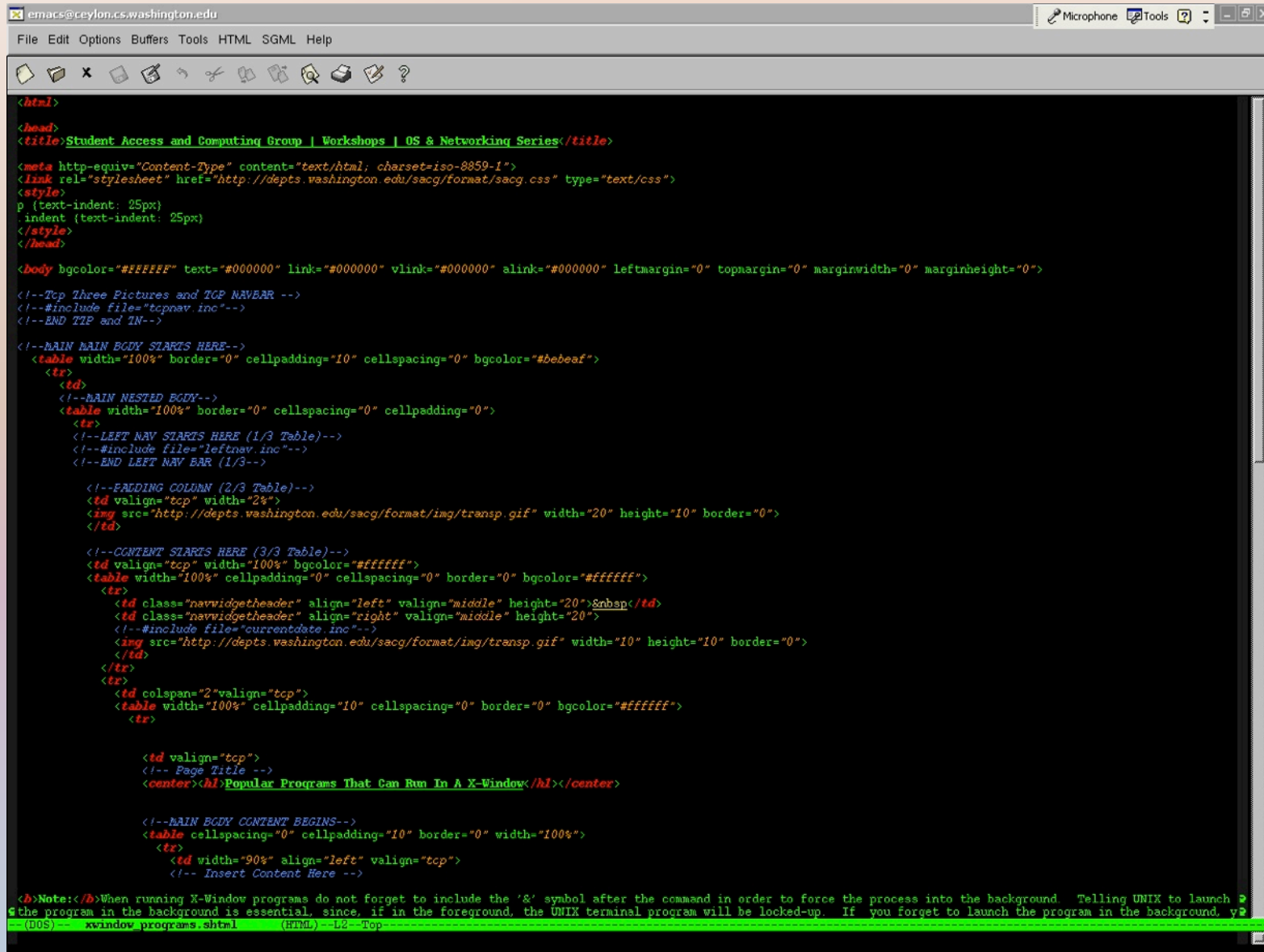
Text Editors: Kate



Text Editors: gedit



Text Editors: Emacs



```
emacs@cylon.cs.washington.edu
File Edit Options Buffers Tools HTML SGML Help

<html>
<head>
<title>Student Access and Computing Group | Workshops | OS & Networking Series</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<link rel="stylesheet" href="http://depts.washington.edu/sacg/format/sacg.css" type="text/css">
<style>
p {text-indent: 25px;
  indent (text-indent: 25px)
</style>
</head>

<body bgcolor="#FFFFFF" text="#000000" link="#000000" vlink="#000000" alink="#000000" leftmargin="0" topmargin="0" marginwidth="0" marginheight="0">

<!-- Top Three Pictures and TCP NAVBAR -->
<!--#include file="tcpnav.inc"-->
<!--END TTP and TN-->

<!--MAIN MAIN BODY STARTS HERE-->
<table width="100%" border="0" cellpadding="10" cellspacing="0" bgcolor="#bebeaf">
  <tr>
    <td>
      <!--MAIN NESTED BODY-->
      <table width="100%" border="0" cellspacing="0" cellpadding="0">
        <tr>
          <!--LEFT NAV STARTS HERE (1/3 Table)-->
          <!--#include file="leftnav.inc"-->
          <!--END LEFT NAV BAR (1/3-->

          <!--FADING COLUMN (2/3 Table)-->
          <td valign="tcp" width="2%">
          
          </td>

          <!--CONTENT STARTS HERE (3/3 Table)-->
          <td valign="tcp" width="100%" bgcolor="#ffffff">
          <table width="100%" cellpadding="0" cellspacing="0" border="0" bgcolor="#ffffff">
            <tr>
              <td class="navwidgetheader" align="left" valign="middle" height="20">&nbsp;&nbsp;&nbsp;</td>
              <td class="navwidgetheader" align="right" valign="middle" height="20">
              <!--#include file="currentdate.inc"-->
              
              </td>
            </tr>
            <tr>
              <td colspan="2" valign="tcp">
              <table width="100%" cellpadding="10" cellspacing="0" border="0" bgcolor="#ffffff">
                <tr>
                  <td valign="tcp">
                  <!-- Page Title -->
                  <center><h1>Popular Programs That Can Run In A X-Window</h1></center>

                  <!--MAIN BODY CONTENT BEGINS-->
                  <table cellpadding="0" cellspacing="10" border="0" width="100%">
                    <tr>
                      <td width="90%" align="left" valign="tcp">
                        <!-- Insert Content Here -->

                  </table>
                </tr>
              </table>
            </td>
          </table>
        </tr>
      </table>
    </td>
  </tr>
</table>

<b>Note:</b><br>When running X-Window programs do not forget to include the '&' symbol after the command in order to force the process into the background. Telling UNIX to launch & the program in the background is essential, since, if in the foreground, the UNIX terminal program will be locked-up. If you forget to launch the program in the background, y&

(DOS) xwindow_programs.shtml (HTML) -L2- Top
```


Text Editors: Vim

```
index.xml (/srv/www/vhosts/c...tdocs/linux/vim/startup) - VIM
Session Edit View Bookmarks Settings Help

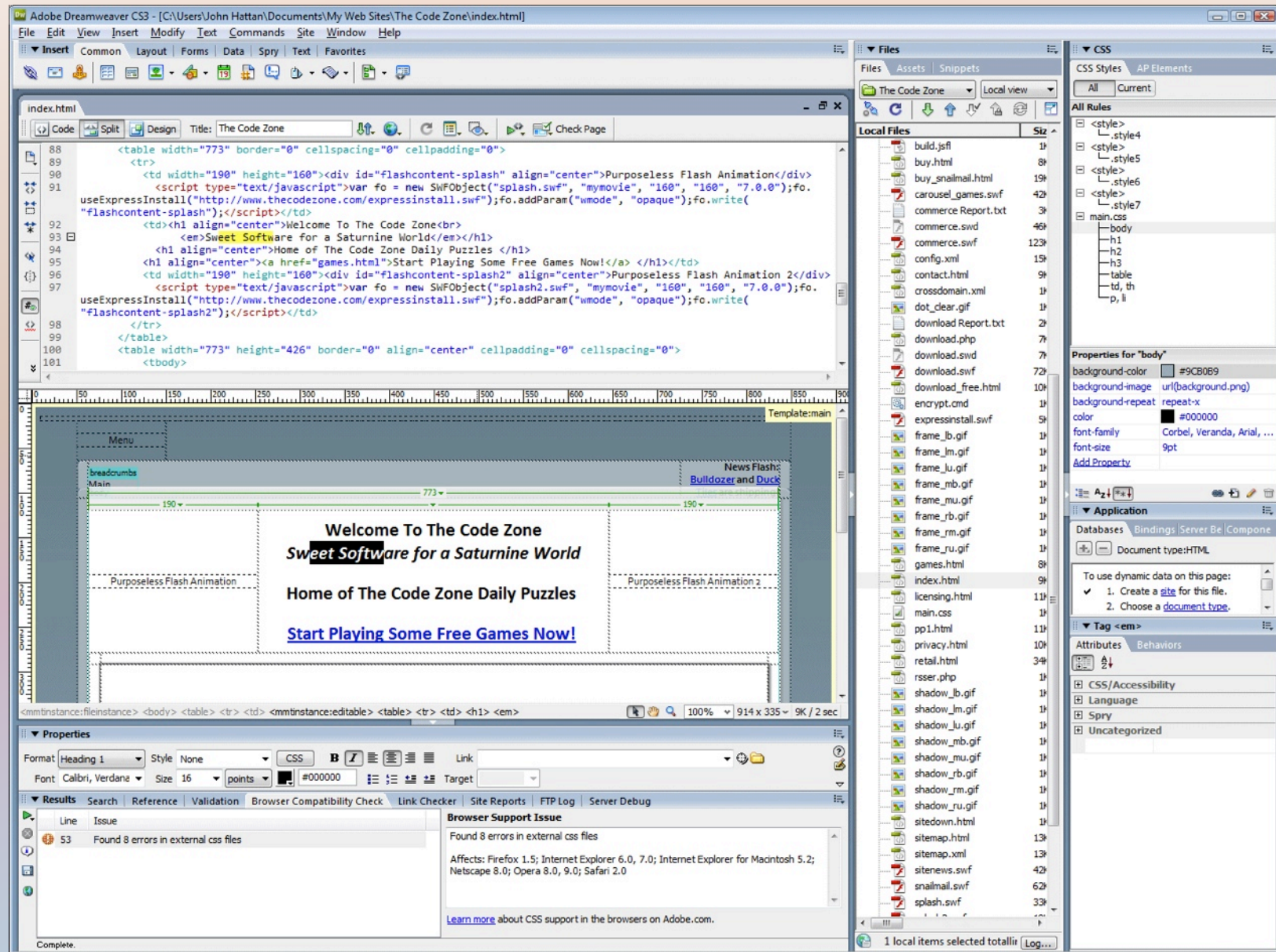
68 <par>
69     VIM is capable of a lot more,
70     the screenshot below reveals this.
71 </par>
72 <image src="vim.png" width="684" height="519" alt="VIM Scree
73 <par>
74     The configuration file supports many options to customize
75 </par>
76 <par>
77     My <link href=" ../vimrc">vimrc file</link> is available fo
78     It should be placed at <file>~/ .vimrc</file> for normal us
79     To define global settings, use <file>/etc/vimrc</file> ins
80     Gentoo Linux places this file in <file>/etc/vim/vimrc</fil
81 </par>
82 <par>
83     It's nicer to extend the configuration of your distributio
84     Don't overwrite the <file>/etc/vimrc</file> file, but plac
85     configuration at <file>/etc/vimrc.local</file> for instanc
86     Edit the original <file>/etc/vimrc</file> file, and append
87     <command>source /etc/vimrc.local</command>.
88 </par>
89 </section>

"index.xml" 97L, 3610C written                               72,38           89%
VIM Example Shell
```

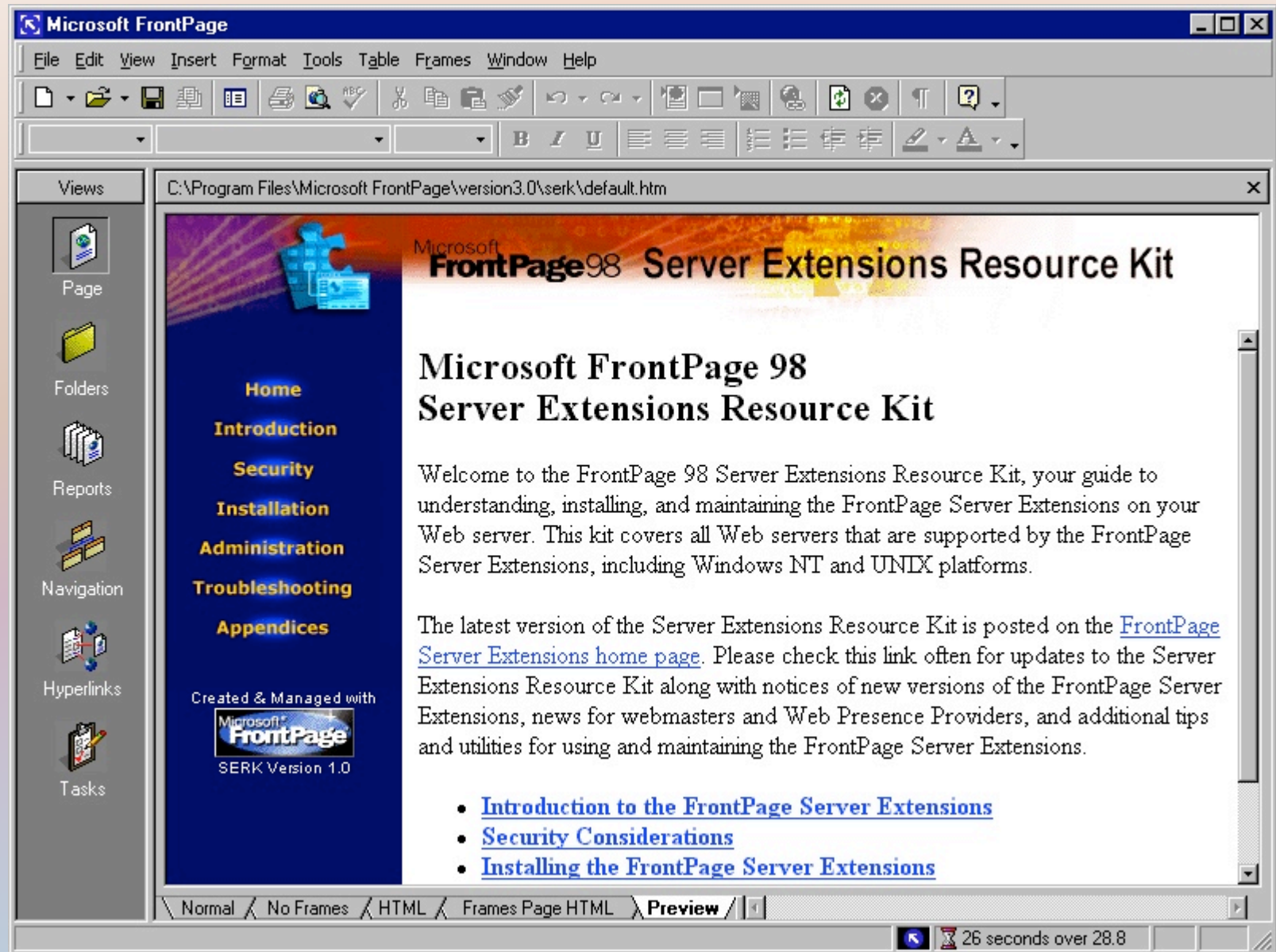
WYSIWYG Editors

- Dreamweaver
- Microsoft Frontpage

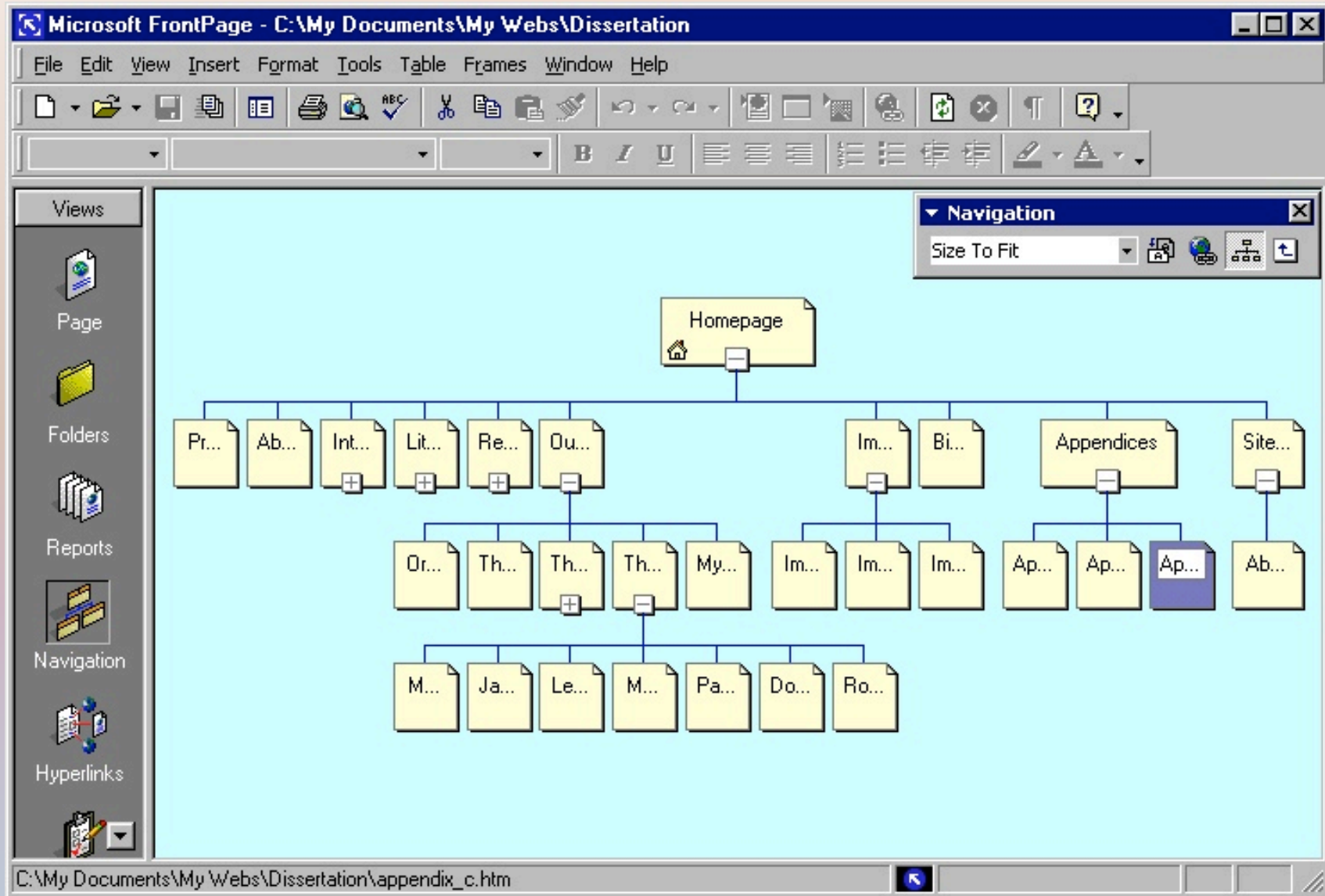
WYSIWYG Editors: Dreamweaver



WYSIWYG Editors: Frontpage



WYSIWYG Editors: Frontpage



WYSIWYG Editors: Frontpage

Example:

sipb.mit.edu/iap/webdesign/examples/fir.html

HTML Document Structure

Example:

sipb.mit.edu/iap/webdesign/examples/wmda.html

HTML Document Structure

Reference:

<http://www.w3schools.com/tags/default.asp>

HTML Document Structure

- Tag/element nesting
- Attributes
- Indentation
- Use elements for their intended purpose
 - Tables for data, not layout
- Deprecated elements (new HTML tags or CSS)
- HTML comments

HTML Document Structure

- Document Types
 - .html/.htm
 - .xhtml
 - .php
 - .asp/.aspx
 - .do
 - .jsp/.jspx
 - .ssi
 - .cgi/.fcgi

XHTML vs. HTML

- All tags must be in lower case
- All documents must have a doctype
- All documents must be properly formed
- All tags must be closed
- All attributes must be added properly
- The name attribute has changed
- Attributes cannot be shortened
- All tags must be properly nested

Other SIPB Classes

- Caffeinated Crash Course in PHP
 - Jan 12 07:30pm-10:30pm, 4-237
- Building Websites for Mobile Devices
 - Jan 19 07:30pm-09:30pm, 4-237