HTML5 and CSS3 Culminating Project Plans

I plan to use the book, "Basics of Web Design HTML5 & CSS3" by Terry Ann Felke Morrison, published by Pearson along with any other resources I find appropriate to learn HTML5 and CSS3. I have designed the culminating project detailed below, which will be designed using my new HTML5 and CSS3 skills.   This project will incorporate many of the standard course requirements. However, HTML5 will be used in place of XHTML and CSS3 will be used in place of CSS. Also, considering the fact that the standard course requirements include exercises and projects based on a book I will not be using, my overall project will still include what those projects and exercises entail, but they will be based on the HTML5 and CSS3 that I will be learning.

My Proposed Project: Full-blown Instructional HTML5 and CSS3 Course Website based on my chosen textbook, and developed using HTML5 and CSS3

The final project will include:

1. A consistent, visually-appealing website layout, user-friendly navigation, and appropriate organization.
2. A welcome page that describes the course, outlines the main objectives of the course, and includes a link to download a pdf version of a detailed syllabus of course objectives and requirements.
3. A second webpage that summarizes the history of HTML and CSS, including a table of contents (list), which will also be anchored links enabling the user to get to specific parts of the page. This page will also include proper headings, images, and hyperlinks to the external resources where I got the history information shown on this page.
4. A third webpage about me (the instructor), an image, my contact information, my office hours, a link to download a pdf version of my resume, and a link to fourth webpage to view my resume online. This will show my ability to layout the resume webpage using embeddable and external CSS3. Like the standard course requirements, the resume webpage will include at least four styles for headers and body text, as well as, color, border, margins, and an image. However, the styles will be based on CSS3.
5. The fifth webpage will be titled "Resources", and will include a list of annotated links to external resources, such as links to books for further reading, external website tutorials, and so on, that support learning HTML5 and CSS3

6. The sixth webpage will be used for students to register for the course and to login (once registered) to the actual class portal.

7. The class portal will include links to:

    a. A webpage that displays the entire course schedule of projects and their due dates and will be styled using CSS3.

    b. Additional webpages for descriptions of each assignment, learning activities for assignments, and assessments (quizzes), which will all be organized in a weekly manner. Learning activities may include video tutorials. However, I may embed external video tutorials I find sufficient, instead of creating my own. This is to show that I can include video using the proper techniques. I can see where creating my own would be an additional goal, however, I will save that for the future.

8. Most likely, I will include other elements of design such as Flash, JavaScript, etc, to be used in creating quizzes and forms. If it is permitted, I may use other means for assessment strategies to employ branching and data tracking, such as the open source Moodle software. However, I may need to use my own server to employ this feature. Using one of my own available MySQL databases would be great to use with the feature, and it will give me a better idea of how assessment strategies work.

9. Finally, all pages within this project will be developed using the new HTML5 syntax and the new CSS3 for style. Every page will include proper docutype specifications, head tags, and optimization of at least the three main Meta tags; title, keywords, and content.