

**Web Development CCCS 310 784 Fall 2022**  
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**Team Assignment 2**

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**What is the Web Page Editor to Use?**

No special software is needed to create HTML and CSS documents – all you need is a text editor.

**Assignment 1-1: Designing a Website for a Future Technologies Website**

You and several of your classmates have been tasked with creating a website that showcases advances in technology. You have already created already design the website for a mobile viewport and now need to design it for tablet, desktop, large desktop, and print viewports.

**Data files needed for this assignment**

All data files are attached in the CCCS\_310\_Assignment\_02\_V1\_Data folder.

**Complete the following steps:**

Create a folder with yourName\_courseName\_Assignment\_02 or teamName\_courseNumber\_Assignment\_02, for example, JohnSmith\_CCCS310\_784\_Assignment\_02. Organize your assignment to include folders for images and styles.

1. **Website mockups** are essential to your design process. Start by designing the layout, using any wireframe and mockup tool available online. Create a responsive mockup that lets you showcase your website design on multiple devices, from minimum display size to maximum size.
2. Create HTML documents and organize the content of each document as showing in the attached screenshots, provided in your Data Files folder. Use HTML semantic elements such as header, nav, section, footer. You should use the HTML elements properly to describe each section of the document based on the logical structure of the document
3. Add <meta> elements to describe the purpose of each webpage.
4. Add a table to one of your webpages. As a group, determine the best use of a table within the website. Use a minimum of eight rows and five columns for your table. Use at least one rowspan or colspan within your table.

5. Determine whether to show or hide the table for a mobile viewport. If you hide the table from the mobile viewport, use a list or other element to display your table data for a mobile viewport.
6. Add a form to your website. Include a minimum of eight form elements, including a Submit button. Include at least two fieldsets and two legends. Add the required attribute to at least two input elements. Add a placeholder attribute to at least one input element.
7. Create style sheet document(s). You might create one CSS document for the page layout and another one for styling the content.
8. Update the CSS file to:
  - a. Style the table element for mobile, tablet, and desktop viewports.
  - b. Style alternating rows differently.
  - c. Refine your style sheet as desired.
  - d. Add comments to note all changes and updates.
9. Use your style sheet to create rules for your form elements. Style for mobile, table, and desktop viewports.
10. Review your files for best coding practices; ensure proper spacing and indents for improved readability.
11. Validate all HTML and CSS files and correct any errors. After successful HTML and CSS validations, include all files and folder related to the Assignment1 in yourName\_courseNumber\_Assignment\_02 folder, and then compress the folder
12. To compress a folder, right-click the folder, point to Sent To, and then select Compressed (Zipped) Folder.
13. Submit your assignment in the format specified by your instructor as a zipped folder.

### Web page Figures (Screenshots)

Included in **CCCS\_310\_Assignment\_02\_V1\_Data** folder.

### References

- Website mockup design: the complete guide with tools: <https://webflow.com/blog/website-mockup>
- What is Adobe XD and what is it used for? <https://www.adobe.com/products/xd/learn/get-started/what-is-adobe-xd-used-for.html>
- Get started with our step-by-step guide. <https://www.adobe.com/products/xd/learn/get-started.html>
- The Quickest Way to Create Mockups from a Live Web Page <https://creativepro.com/the-quickest-way-to-create-mockups-from-a-live-web-page/>
- 5 Free Mockup Generator Tools to Create Device Mockups <https://www.webnots.com/5-free-mockup-generator-tools-to-create-device-mockups/>
- Learn Forms: [https://web.dev/learn/forms/?gclid=EAIaIQobChMI6OeA0o-J-wIVwYBbCh2hswcyEAAYBCAAEgL96PD\\_BwE](https://web.dev/learn/forms/?gclid=EAIaIQobChMI6OeA0o-J-wIVwYBbCh2hswcyEAAYBCAAEgL96PD_BwE)

- Your first form: [https://developer.mozilla.org/en-US/docs/Learn/Forms/Your\\_first\\_form](https://developer.mozilla.org/en-US/docs/Learn/Forms/Your_first_form)
- HTML table basics: <https://developer.mozilla.org/en-US/docs/Learn/HTML/Tables/Basics>
- Adding an HTML Table:  
[https://developer.apple.com/documentation/apple\\_news/apple\\_news\\_format/components/tables\\_in\\_an\\_article/adding\\_an\\_html\\_table](https://developer.apple.com/documentation/apple_news/apple_news_format/components/tables_in_an_article/adding_an_html_table)