

Objective

Practice developing basic web pages and web sites.

Data Files

All necessary data files (txt, html, and image files) are included in the assignment1.zip folder available on Blackboard. Download the zip file to your desktop and then extract all files/folders to your desktop (or whatever location you prefer). Once complete, you should have an Assignment1 folder, containing several folders and files inside it.

Problem 1

You need to create the webpage hypertension.html with the provided details and images.

Data Files required: image1.jpg, image2.jpg, image3.jpg, and hypertension.txt.

To do this, you should complete the following steps:

1. Add comments on the top of page (including your name, ID, section and date).
2. Use of head and body tag
3. Provide the page title
4. Use of paragraph tag
5. Use of div tag
6. Use of ordered list
7. Use of heading tag
8. Express your page better with images (from the assignment1/problem1 folder) align left and right of text. Use all three images with customized size and locations.
9. Use of address tag at the end
10. Save your changes to the file, and then verify that the page renders appropriately in Internet Explorer, Chrome, and Firefox (Web browsers)* and that it is readable and attractive.

Problem 2

You have been assigned the task of creating "Most stylish car all the time" in the form of photo slide show. Data and photos are already arranged in the website pages. You have to complete the work of linking all the webpage in the form of slide show.

Data Files needed are as follows: assignment1/problem2 folder, hometxt.htm, slide1txt.htm through slide6txt.htm.

Using the aforementioned data files, you must modify the html files by completing the following steps:

1. Use your text editor to open the hometxt.htm and slide1txt.htm through slide6txt.htm files from the assignment1\problem2 folder included with your data files. Enter your name and the date in the comment section of each file. Save the files as home.htm and slide1.htm through slide6.htm, respectively.
2. Return to slide1.htm file in your text editor. At the top of page are five buttons used to navigate through the slide show. Locate the inline image for the home button (home.jpg) and mark it as hypertext link pointing to the home.htm file.
3. There are six slides in the slide show. Mark the start button as hypertext link pointing to the slide1.htm. Mark the end button as a link to the slide6.htm file. Link the back button to slide1.htm, the first slide in the show. Link the forward button to the slide2.htm file.
4. Directly below the slide show buttons are thumbnails images of the six slides. Link each thumbnail image to its slide page.
5. Set the border width of each linked image to 0, except the thumbnail image for slide1. Set the border width of that thumbnail to 5, border style as solid and color as blue. This "shows" the user that slide1 is currently selected and being viewed.
6. Save your changes to the file.

7. Repeat Steps 2 through 6 for the five remaining slide pages. Within each page, set the navigation buttons to go back and forth through the slide show. For the slide6.htm file, the forward button should point to the slide6.htm file since it is the last slide in the show. The border width of each linked image should be set to 0 except the border width of the current slide which should be set to 5
8. Go to the home.htm file in your text editor. Go to last paragraph and mark the text "slide show" as a hyperlink pointing to the slide1.htm file
9. Mark the phrase "contact me" as hyperlink pointing to the following email message:

TO: bob@bobisawesome.com

SUBJECT: CAR PICS

BODY: Please send me copy of photos.
10. Save your changes to the files, and then verify that the pages appear and work correctly in Internet Explorer, Chrome, and Firefox (Web browsers)*. Test all links in the Web site and verify that they work correctly.

Problem 3

You have to perform voluntary service for the public health clinic named Your Health clinic. This health clinic operates by volunteers from different fields. Health Clinic web pages have been already created by previous website volunteer. Your task is to upgrade the pages content and also interlink them.

Data Files needed are as follows: assignment1/problem3 folder, home.html, about.html, index.html, services.html, staff.html

Using the aforementioned data files, you must modify the html files by completing the following steps:

1. Use your text editor to open the hometxt.html, abouttxt.html, indextxt.html, servicetxt.html and stafftxt.html files from the Assignment1\Problem3 folder included with your Data Files. Enter your name and the date in the comment section of each file. Save the files as home.html, about.html, index.html, services.html and staff.html respectively.

2. Go to the index.htm file. Use the <a> tag to add the anchor names fac, Time and schedule to the h3 headings "Facilities" , "Timing" and "Clinic Schedule".
3. Scroll up to the top of the file. Below the logo image at the top of the page, add an image map with the following properties:
 - Give the image map a name and id of "yourclinic".
 - Create a rectangular hotspot with the coordinates (850,15) and (1000,50).

Point the hotspot to the about.html file. Add the tooltip "Know more about us"
 - Create a rectangular hotspot with the coordinates (850,52) and (1000,85).

Point the hotspot to the staff.html file. Add the tooltip "Know more about Staff".
 - Create a rectangular hotspot with the coordinates (850,87) and (1000,120).

Point the hotspot to the services.html file. Add the tooltip "See our services".
 - Create a default hotspot for the inline image. (Hint: the image is 1024 pixels wide and 352 pixels tall.) Point the default hotspot to the index.html file. Add the tooltip "Return to homepage."
4. Apply the "yourclinic" hotspot to the logo image. Remove the border around the inline image.
5. In the list at the top of the page, mark "Facilities" as a link pointing to the "fac" anchor within the index.html document. Mark "Timing" as a link pointing to the "Time" anchor within the index.htm file. Mark "Schedule" as a link pointing to the "schedule" anchor within the index.htm file.
6. Add the tooltip "Learn more about facilities" to the Facilities link. Add the tooltip "Go through timings" to the Timing link. Add the tooltip "Look at our schedule" to the Schedule link.
7. Save your changes to the file.
8. Repeat Step 3 through 6 for rest of html files except home.html
9. Go to the about.html file in your text editor.
10. Format the phrase "e-mail Ron Chi" in the last paragraph as a link pointing to Ron Chi's e-mail address (rchi@Your-health.com). Save your changes to the file.

11. Go to the services.html file in your text editor and link the word "Clinic Schedule" in second paragraph to the Time anchor in the index.html file.
12. Return to the index.htm file in your text editor. Go to the head section of the document and add the following metadata directly below the opening <head> tag:
 - The description: "The Your Health Clinic is free family health"
 - The keywords: health club, exercise , family , Seattle
13. Save your changes to the file.
14. Go to the home.html file in your text editor. Within the head section, insert a meta element to redirect the browser to the index.html file after a 5 second delay.
15. Mark the phrase "this link to our new Web site" as a hypertext link pointing to the index.htm file. Save your changes to the file.
16. Open the home.htm file in your Web browser. Verify that the browser loads the index.htm file after a 5 second delay.
17. Once the index.htm file is loaded, verify that all of your links work correctly, including the links that point to sections within documents and the links within the image map. Verify that tooltips appear as you move your mouse pointer over the links at the top of each page. (Note: Internet Explorer does not currently support tooltips found within image map hotspots. Try adding alternate text to all the links mapped on logo image)
18. Save your changes to the file, and then verify that the page appears correctly in Internet Explorer, Chrome, and Firefox (Web browsers)*. Test all links in the Web site and verify that they work correctly.

References

PPT Slides: Tutorial 1 & Tutorial 2

Grading Details

Your assignment will be graded upon the following criteria:

1. Correctness of the result
2. Adhering to the implementation specifications for each problem
3. Usage of white space throughout the html file