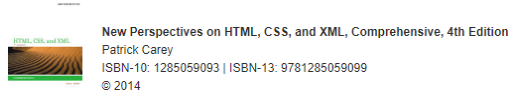


Tutorial Five Assignment Outline: Working with Tables and Columns

This PDF file consists of Seven (7) pages

Please note: Students are strongly recommended to read **Tutorial Five** in Carey and Vodnik Textbook (HTML, CSS, and XML, 4th Edition).



Please carefully read the following pertinent information:

- **Due Date:** **Sunday, March 07 at 11:30 p.m.**
- **Submission Type:** **Must be uploaded to the IVC Student Web Server located at (<https://st3w.ivc.edu>)**
- **Naming Rule:** When submitting this tutorial project to IVC Student Web Server, students are required to use the naming rule (**t5-KPAF Radio**). Failure to do so will result in a **10% deduction** for this assignment.
- **Default HTML Files:** For this tutorial project, the author provides you with **default html files**. These files carry the word “**txt**” in their name. The main purpose is to introduce **starting point** for developing the tutorial project. Open these files, remove the word “**txt**” as instructed in the grading rubric for this project, and saved them as HTML files, without the word “**txt**”. Failure to comply will result in a **10% deduction**.

Tutorial – 5 Objectives

Students will have mastered the materials presented in Tutorial Four when they can:

Session 5.1 (Structure of a Web Table) <ul style="list-style-type: none"> • Introducing Web Tables (HTML 320 – 327) • Spanning Rows and Columns (HTML 327 - 333) • Creating a Table Caption (HTML 333 – 335) • Making Row Groups (HTML 336 – 338) • Making Column Groups (HTML 338 – 340) • Adding a Table Summary (HTML 342) 	Session 5.2 (Web Table Styles) <ul style="list-style-type: none"> • Formatting Tables with HTML Attributes (HTML 346 – 352) • Formatting Tables with CSS (HTML 353 – 368) • Applying Table Styles to Other Page Elements (HTML 369 – 370) • Creating Columnar Layout (HTML 371 – 375)
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Grading Rubric- Tutorial Five

IMPORTANT The following reflects an enhanced version of the author’s original grading rubric. The criteria described for each section, plus associated pages, listed below, are the closest proximity as an assessment tool, and may not completely convey the complete tasks that should be performed to obtain full credit for **Tutorial_5 project assignment**. It is of vital importance to closely follow and master the materials presented in the **Tutorial Five Chapter**.

Therefore, in addition to the criteria listed below, it is further expected to measure your complete work, For the assessment of any key components that may quantify and validate the performance of **Tutorial_5 project assignment**, based on;

1. Correct positioning and layout of all elements on the **KPAF Radio home page source code** will be inspected for correct spelling for accuracy of the work, presented. *
2. Final design of **KPAF Radio home page**, should resemble the **Fig. 5-52 on HTML 375**, as shown at the end of this document *

* Additionally, to achieve your desired results, it is reasonably expected your completed work shall comply with the statements as described in the above two steps. Failure to comply will result in an additional **10 % deduction**.

Description	Pts and Page #	Your Score
<p>Section 5.1: (Structure of a Web Table)</p> <p>Introducing Web Tables. This section starts on HTML320 and extends to HTML327.</p> <p>Step1: <code>schedtxt.htm/kpaf.txt.css</code> files are opened in the text editor. your name/the date entered in comment section of each file. Save the files as schedule.htm/ kpaf.css</p> <p>Step2: With schedule.htm opened as text, insert the link element directly above the closing <code></head></code> tag. Save changes to the file.</p> <p>Step3: Return to schedule.htm in the web browser, and verify the current appearance of the page is displayed, as shown in Fig. 5-1</p> <p>Step4: With kpaf.cc opened as text, review the styles, and compare them to the elements contained in schedule.htm file to fully understand Kyle's design for the schedule page. Close both files.</p>	<p>1 HTML 320</p>	
<p>Marking Tables and Table Rows.</p> <p>Step1: Return to schedule.htm file in text editor</p> <p>Step2: Insert the required code, above closing <code></section></code> tag. Make sure that the web table has a class name <code>schedule</code>. Mark the table headings and table data for the rows of the table, as shown in Fig. 5-3. Save changes to the file.</p> <p>.....</p> <p>Marking Table Heading and Table Data</p> <p>Step1: Return to schedule.htm in text editor. In the first row of the table, insert the code for <code>th</code> elements, as shown on this step.</p> <p>Step2: In the second row of the table, insert the heading as shown on this step.</p> <p>Step3: In the third row of the table, insert the heading as shown on this step. Save changes to the file.</p> <p>Fig 5-4 displays the revised code by inserting table heading cells in schedule table.</p> <p>.....</p> <p>Step1: Return to schedule.htm in text editor. Within the second table row, add seven (7) <code>td</code> elements, after the initial <code>th</code> element, as shown on this step.</p> <p>Step2: Within the third table row, insert another seven (7) <code>td</code> elements, after the initial <code>th</code> element, as shown on this step.</p> <p>Fig 5-5 displays the newly inserted HTML code by inserting table data in <code>schedule</code> table.</p> <p>Step3: Save your changes to the file. Refresh schedule.htm in the web browser, and verify the current appearance of the program schedule, with headings in bold and centered, and the table data are in normal front and left-aligned, as shown on Fig. 5-6.</p> <p>.....</p> <p>Adding a Table Border.</p> <p>Step1: Return to schedule.htm in text editor. Add the attribute <code>border="1"</code> to the <code>table</code> element for the table boarder, as shown on Fig. 5-8.</p>	<p>3 HTML 321 through HTML 326</p>	

<p>Making Row Groups. This section starts on HTML336 and extends HTML338.</p> <p>Step1: Return to the schedule.htm file in your text editor and enclose the first row of the table within an opening and closing set of <thead>tags.</p> <p>Step2: Enclose the remaining rows of the table within an opening and closing set of tags. Figure 5-19 shows marking the table head and table body for the two new row groups.</p> <p>.....</p>	<p>1 HTML 337 & HTML 338</p>	
<p>Making Column Groups. This section starts on HTML338 and extends HTML340.</p> <p>Step1: Return to the schedule.htm file in your text editor.</p> <p>Step2: As shown in Fig. 5-20, insert colgroup element directly below the caption element.</p> <p>Step3: Save your changes to the file.</p> <p>Step4: The table's structure is defined by creating row groups and column groups; however, it should not alter its appearance. Refresh schedule.htm file in the web browser, and confirm that that the row and column groups have not modified the table's appearance, and the table layout is the same as shown earlier in Fig. 5-18.</p> <p>.....</p>	<p>1 HTML 340</p>	
<p>Adding a Table Summary. This section is shown on HTML342</p> <p>Please note: Nonvisual browsers, such as aural browsers that often are used by visually impaired people, can't display tables!!</p> <p>Step1: Return to the schedule.htm file in your text editor.</p> <p>Step2: As shown in Fig. 5-21, within the opening <table> tag, insert, the summary attribute description, which allows you to include a more detailed description.</p> <p>Step3: Save your changes to the file. Reload schedule.htm file in the web browser, and verify that the summary description does not appear in the browser.</p> <p>.....</p>	<p>1 HTML 342</p>	
<p>Section 5.2 (Web Table Styles)</p> <p>Formatting Tables with HTML Attributes. This section starts on HTML346 and extends to HTML352.</p> <p>Setting Cell Spacing with HTML and Setting Cell Padding with HTML</p> <p>Step1: Next, return to the schedule.htm file in your text editor.</p> <p>Step2: Within the opening <table> tag, insert, the attributes cellspacing="3", and cellpadding="5", as shown in Fig. 5-24, to set cell spacing/padding</p> <p>Step3: Save your changes to the file. Reopen schedule.htm file in the web browser, and verify that spaces between and within the table cells have increased from their default values, as shown on Fig. 5-25.</p> <p>.....</p> <p>Read the paragraphs under Setting Table Widths and Heights in HTML, Setting Row Heights with HTML, Formatting Table Borders with HTML, and Aligning Cell Contents with HTML.</p> <p>.....</p>	<p>2 HTML 347 through HTML 352</p>	

<p>Vertical Alignment in HTML</p> <p>Step1: Return to the schedule.htm file in your text editor.</p> <p>Step2: within the opening <code><tbody></code> tag, insert the <code>valign</code> attribute, as shown on Fig. 5-28.</p> <p>Step3: Save your changes to the file. Refresh schedule.htm file in the web browser, and verify that the text is aligned at the top of the cells. Fig. 5-29 displays cell content aligned with the top of each cell.</p>		
<p>Formatting Tables with CSS. This section starts on HTML353 and extends to HTML368.</p> <p>Step1: tablestxt.css file is opened in a text editor. Enter <i>your name/the date</i> entered in comment section of the file. Save the file as tables.css.</p> <p>Step2: Return to the schedule.htm in the text editor. insert the following link: <code><link href='tables.css' rel='stylesheet' type='text/css' /></code> element directly above the closing <code></head></code> tag, as shown in this step.</p> <p>Step3: Because you are now replacing the HTML attributes with CSS styles, delete the border, cellpadding, and cellspacing attributes from the opening <code><table></code> tag.</p> <p>Step4: Delete the <code>valign</code> attribute from the opening <code><tbody></code> tag from schedule.htm. Save changes to the file.</p> <p>.....</p> <p>Table Border Styles.</p> <p>Step1: Return to tables.css file in the text editor. Add the style to apply a border to the entire web table, as shown in this step.</p> <p>Step2: Add the style to apply borders to each table cell, as shown in this step. Fig. 5-30 displays setting the table boarder styles. Notice that the stylesheet uses contextual selectors to apply these styles only to KPAF schedule table, but to the other tables that might exist on KPAF website.</p> <p>Step3: Save changes to the file. Reload schedule.htm file in the web browser, and verify that borders have been added to the entire table and to each table cell, as shown on Fig. 5-31.</p> <p>.....</p> <p>Step1: To collapse the cell borders, return to tables.css file in the text editor. Apply the border-collapse style to the table element, as shown in Fig. 5-35.</p> <p>Step2: Save changes to the file. Reload schedule.htm file in the web browser. Fig. 5-36 displays the revised table design with the collapsed boarders' layout.</p> <p>.....</p> <p>Applying Styles to Rows and Columns.</p> <p>Step1: Return to tables.css file in the text editor. Add the styles to the style rule for the table.schedule selector, as shown in this step.</p> <p>Step2: Add the style rule for the header of the schedule table at the bottom of the file, as shown in this step.</p> <p>Step3: To finish, add the style for the first column of the schedule table. Fig. 5-38 displays adding font and color styles to the schedule table.</p> <p>Step4: Save changes to the stylesheet file. Reload schedule.htm file in the web browser. Verify the reformatted schedule table design, as shown in Fig. 5-39.</p> <p>.....</p>	<p>3</p> <p>HTML 353 through HTML 361</p>	
<p>Formatting Tables with CSS. Section continues</p>	<p>3</p> <p>HTML 363</p>	

<p>Using the Width and Height Styles.</p> <p>Step1: Return to tables.css file in the text editor. As shown on Fig. 5-40, add the style to the table element, to set the width for the schedule table.</p> <p>Step2: Save changes to the file. Reload schedule.htm file in the web browser. As shown in Fig. 5-41, the layout of the table is enlarged by setting the table width to 100%</p> <p>.....</p> <p>Step1: Return to tables.css file in the text editor. Add the style to the style rule for the firstCol selector, and set its width to 7%, as shown in this step.</p> <p>Step2: Add the style rule to set the widths of columns in the dayCols to 13%, directly below the style rule for the firstCol selector.</p> <p>Fig. 5-42 displays the setting the widths of the schedule table columns.</p> <p>Step3: Save changes to the file. Reload schedule.htm file in the web browser. Fig. 5-43 displays the revised table column widths.</p> <p>.....</p> <p>Step1: Return to tables.css file in the text editor. As shown on Fig. 5-44, add the styles for the height of the table rows, directly below the table.schedule thread selector element.</p> <p>Step2: Save changes to the file. Reload schedule.htm file in the web browser, and verify that the heights in the table header and table body have changed.</p> <p>.....</p> <p>Step1: Return to tables.css file in the text editor. As shown on Fig. 5-45, add the style rule to vertically aligning the table data cells in the table body.</p> <p>Step2: Save changes to the file. Reload schedule.htm file in the web browser, and verify that the program names row are placed at the top of each cell, and the padding space between the program names and the cell borders has been added, as displayed on Fig. 5-46.</p> <p>.....</p> <p>Caption Styles.</p> <p>Step1: Return to tables.css file in the text editor. As shown on Fig. 5-47, add the style rule to the bottom of the file to set the caption position.</p> <p>Step2: Save changes to the file. Reload schedule.htm file in the web browser, and verify that the caption should now appear in the bottom-right corner of the table, as shown on Fig. 5-48.</p> <p>.....</p>	<p>through HTML 368</p>	
<p style="text-align: center;">For Review Only</p> <p>Applying Table Styles to Other Page Elements. This section starts on HTML369 and extends to HTML370 on "Table display styles"</p> <p>CSS display property can be applied to a table layout to other HTML elements, such as paragraphs, block quotes, or list. Fig. 5-49 describes the various CSS table display styles and their HTML equivalents.</p> <p>When viewed in a web browser, the definition list looks exactly as if it were created using HTML table elements, as shown on fig. 5-50.</p> <p>.....</p>	<p>HTML 369 & HTML 370</p>	
<p>Creating Columnar Layouts. This section starts on HTML371 and extends to HTML375. Read the text on HTML 372, and HTML 373 under CSS3 Column Styles.</p> <p>Browser Extensions to Columns</p> <p>Step1: Return to tables.css file in the text editor. As shown on Fig. 5-51, add the style rule to the bottom of the file to display the introductory paragraph in two</p>	<p>1 HTML 374 & HTML 375</p>	






table columns.

Step2: Save changes to the file. Reload **schedule.htm** file in the web browser. Fig. 5-52 displays the final completed design of the **KRPF nightly schedule page**.

****IMPORTANT**** The following ending files for this tutorial project **MUST** be **PALCED** in the **t5-KPAF Radio** folder before uploaded to IVC Student Web Server.

The Ending Files for this Tutorial Project (see below!)

Name

 kpaf.css
 kpaf.jpg
 modernizr-1.5.js
 schedule.htm
 tables.css

TOTAL POSSIBLE POINTS:

20



0

Instructor Notes:

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| Listener supported since 1966

Home Schedule Programs Music News Events Listen Live Contact Us Support KPAF

On the Air Now

Folk Fest

Featuring the best of traditional and contemporary folk music

KPAF Nightly Schedule

KPAF airs listener-supported public radio in Bismarck, North Dakota from 5:00 a.m. to 10:30 p.m.

You can [Listen Live](#) to streaming audio of our broadcast. Please refer below for our current nightly schedule.

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
6:00	National News						
6:30	Local News						
7:00	Opera Fast	Radio U	Science Week	The Living World	Word Play	Agri-Week	Folk Fest
7:30					Brain Stew	Bismarck Forum	
8:00	The Classical Music Connection				Old Time Radio	Saturday Nite Jazz	The Indie Connection
8:30					The Inner Mind		
9:00					Open Mike Nite		
9:30							
10:00	World News Feed						

All Times Central

Coming Up on KPAF

April 11-14 The Classical Music Connection

Peter Thiesen shares his eclectic selection from the world of classical music

April 11 Opera Fest

Excerpts from *Turandot* by Giacomo Puccini

April 12 Radio U

Novelist Karen Graves reads from her latest work, *Hellion of Troy*

April 13 Science Week

Prof. Thomas Glass from UND discusses *String Theory* and *Spooky Action at a Distance*

April 14 The Living World

A panel discussion on the *Return of the Electric Car* and the latest in eco-news