



Interface Design and Development

Pass Task 1.4: Table Accessibility

Overview

As a first step in interface design, one needs to be familiar with the Web Accessibility Initiative and the Web Content Accessibility Guidelines. This is become aware of the need to improve the quality of your web pages, and introduce assistive technologies.

- Purpose:** Learn how you can test your web pages for compliance.
- Task:** Address and fix the accessibility issues found in the HTML table.
- Time:** This task should be completed in your first lab class and submitted for feedback before the start of week 3.

Resources:

- Web Accessibility Initiative (WAI), <http://www.w3.org/WAI/>
- Web Content Accessibility Guidelines 2.0 (WCAG2) <http://www.w3.org/TR/WCAG20/>
- Web Accessibility Tutorials – Table Concepts <https://www.w3.org/WAI/tutorials/tables>

Submission Details

You must submit the following files:

- Table task source codes (tabletask.html)
- Screenshot of the code in an Editor (such as VS Code, Brackets) showing no html validation errors.
- Screenshot of the browser displaying the result of the table page and the complete file path.
- Feedback from <https://achecker.achecks.ca/checker/index.php> or Total Validator (download the test version from <https://www.totalvalidator.com/>) on the task file.

Make sure that your task has the following in your submission:

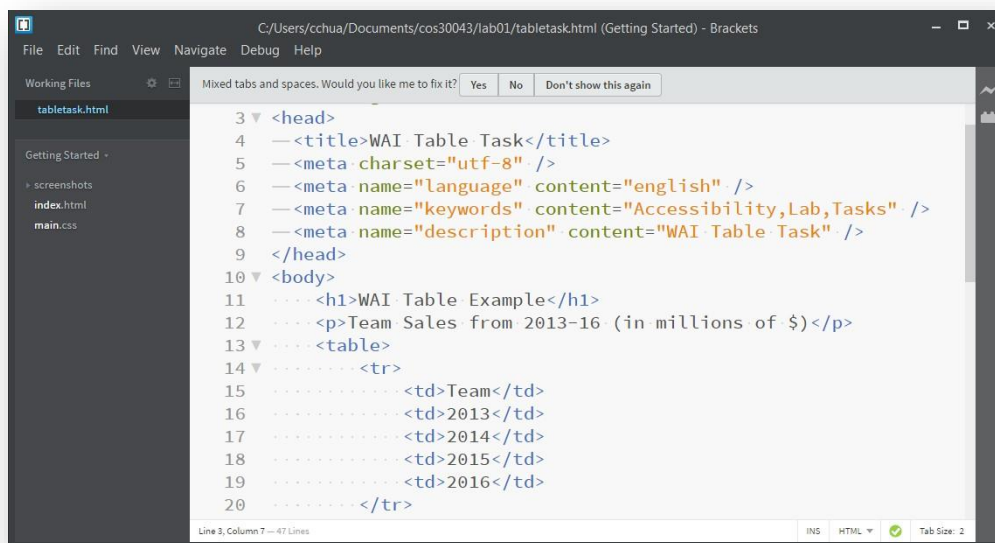
- All issues are addressed and fixed for the table task.
- The feedback shows no known problems/Errors.

Instructions

For this task you will fix the issues that exist in `tabletask.html`.

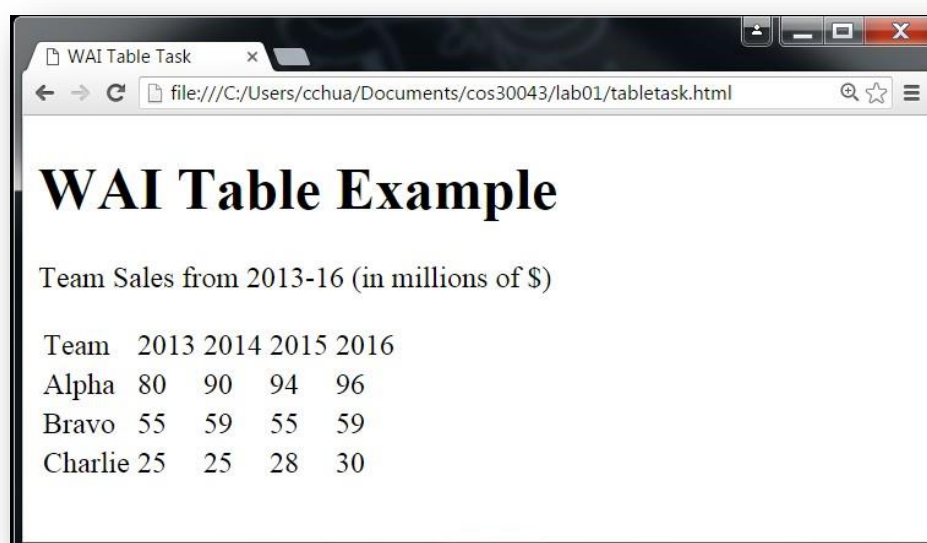
The goal of this exercise is to learn how you can test your web pages for compliance

1. Download the Pass Task 1.4 resource. This contains the table that you need to fix.
2. Extract the zip file to your code directory (e.g. 'My Documents/cos30043/lab01')
3. Open `tabletask.html` and you should see the following:



```
3 <head>
4   <title>WAI Table Task</title>
5   <meta charset="utf-8" />
6   <meta name="language" content="english" />
7   <meta name="keywords" content="Accessibility,Lab,Tasks" />
8   <meta name="description" content="WAI Table Task" />
9 </head>
10 <body>
11   <h1>WAI Table Example</h1>
12   <p>Team Sales from 2013-16 (in millions of $)</p>
13   <table>
14     <tr>
15       <td>Team</td>
16       <td>2013</td>
17       <td>2014</td>
18       <td>2015</td>
19       <td>2016</td>
20     </tr>
```

4. Test if the table is displaying properly by starting the live preview.



Note: The table will have no visible grid lines unless a CSS is applied to it. You must not use the border attribute under HTML5.

5. Edit the code and address the following issues:

Reference: Web Accessibility Tutorials – Table

Concepts <https://www.w3.org/WAI/tutorials/tables>

- a. Add a caption element for the table.
- b. Change the relevant 'td' elements to 'th' elements.
- c. Add 'scope' attribute to all the 'th' elements to indicate it is a row or column
- d. Add 'id' attributes to all 'th' elements
- e. Add 'headers' attributes to each of the 'td' elements, to bind it to relevant 'th'
- f. Add thead and tbody attributes.

Note: Follow the above Web Accessibility Tutorial, review/learn the use of thead, tbody, th and td elements, and also id, scope, and headers attribute.

This file also contains inconsistent use of space and tabs. Remember to also address this issue.

6. Remember to save the document and backup your work! Storing your work in multiple locations will help ensure that you do not lose anything if one of your computers fails, or you lose your USB Key.

Note: This is one of the tasks you need to submit. Check the assessment criteria for the important aspect that your tutor checks.