



Interface Design and Development

Pass Task 1.3: Form 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 form.
- 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/>

Submission Details

You must submit the following files:

- Form task source codes (formtask.html)
- PDF Report from <https://achecker.achecks.ca/checker/index.php> on the form task file.

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

- All issues are addressed and fixed for the form task.
- The report shows no known problems.



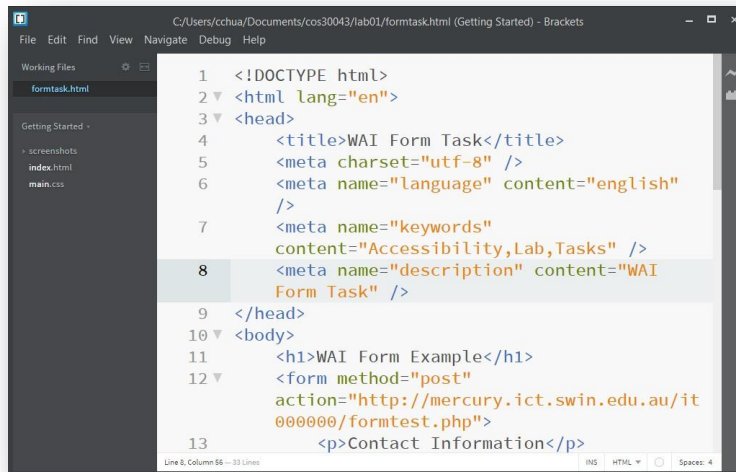
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OF TECHNOLOGY

Instructions

For this task, you will fix the issues that exist in formtask.html.

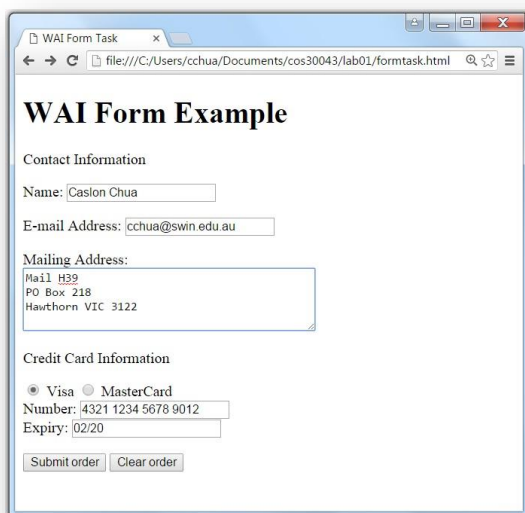
The goal of this exercise is to learn how you can test your web pages for compliance

1. Download the Pass Task 1.3 resource. This contains the form that you need to fix.
2. Extract the zip file to your code directory (e.g. 'My Documents/cos30043/lab01')
3. Open formtask.html.



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>WAI Form Task</title>
5   <meta charset="utf-8" />
6   <meta name="language" content="english" />
7   <meta name="keywords"
8     content="Accessibility,Lab,Tasks" />
9   <meta name="description" content="WAI
10    Form Task" />
11 </head>
12 <body>
13   <h1>WAI Form Example</h1>
14   <form method="post"
15     action="http://mercury.ict.swin.edu.au/it
16     000000/formtest.php">
17     <p>Contact Information</p>
```

4. Test if the form is working properly by starting the live preview, entering test data and submitting the form.



WAI Form Example

Contact Information

Name: Caslon Chua

E-mail Address: cchua@swin.edu.au

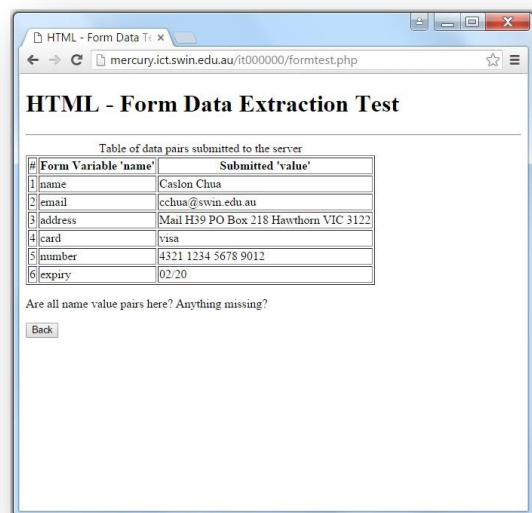
Mailing Address:
Mail H39
PO Box 218
Hawthorn VIC 3122

Credit Card Information

☒ Visa ☐ MasterCard

Number: 4321 1234 5678 9012

Expiry: 02/20



HTML - Form Data Extraction Test

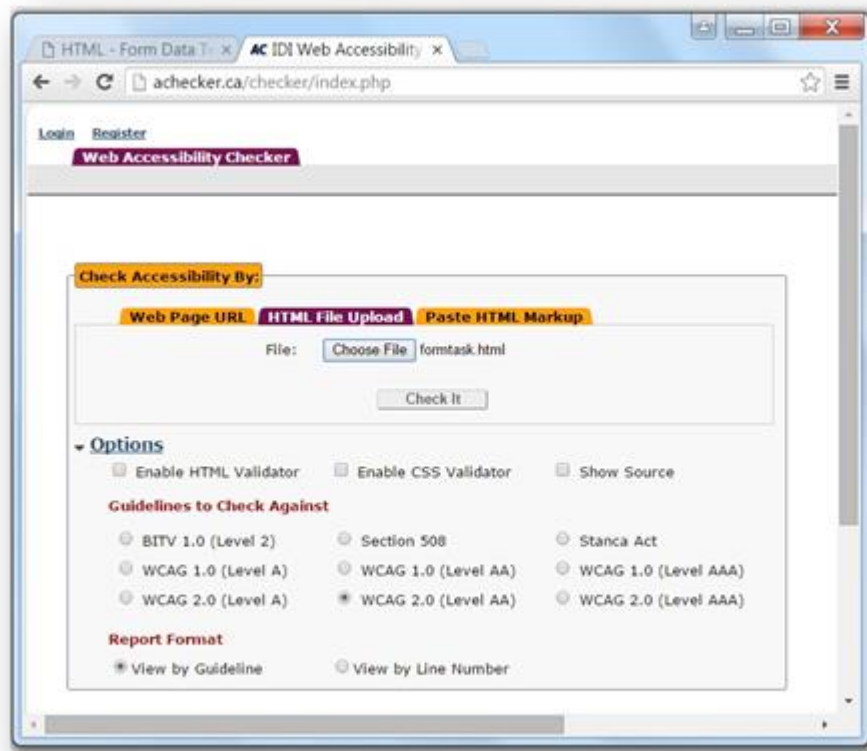
Table of data pairs submitted to the server

#	Form Variable 'name'	Submitted 'value'
1	name	Caslon Chua
2	email	cchua@swin.edu.au
3	address	Mail H39 PO Box 218 Hawthorn VIC 3122
4	card	visa
5	number	4321 1234 5678 9012
6	expiry	02/20

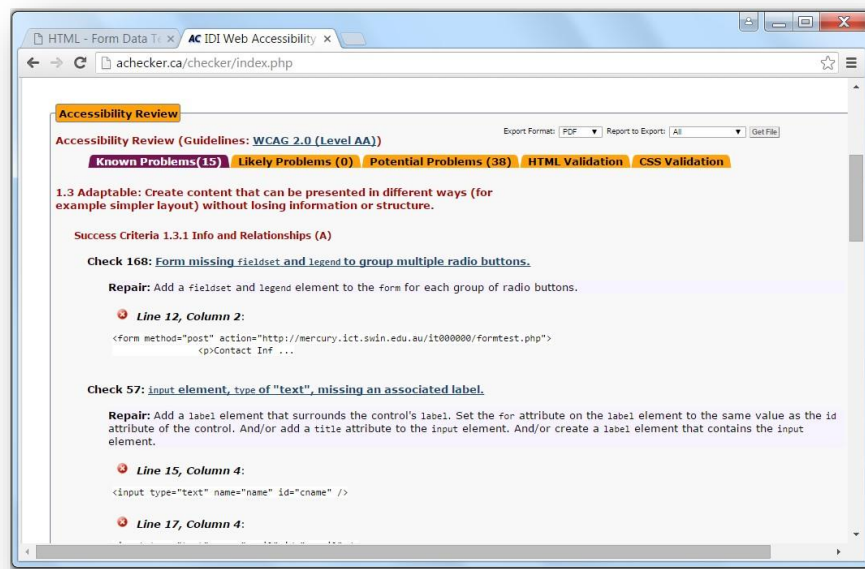
Are all name value pairs here? Anything missing?

Note: Internet connection is required for the form data to be successfully submitted to a server for processing.

- Use the Accessibility Validator <https://achecker.achecks.ca/checker/index.php> to test the page by 'HTML File Upload', choose the file, expand the 'Options' select 'WCAG 2.0 (Level AA)' and then 'Check It'



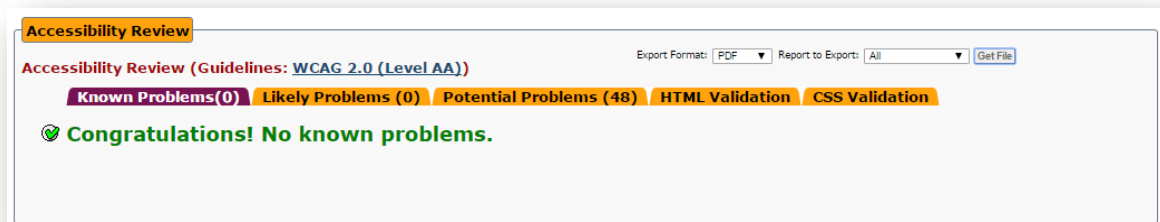
- Look at the "Accessibility Review" to see if the web page has any problems. For WCAG2.0 this shows: 'Known Problems', 'Likely Problems', 'Potential Problems'



7. Look at the 'Known Problems' and address the issues:
 - a. Add fieldsets and legends to 'chunk'/'group' the form into logical parts, particularly add a fieldset around the radio inputs.
 - b. Add 'id' attributes for each form input control element and add 'label' elements with 'for' attributes to explicitly bind the labels to these input control elements.

Tip: Make sure input control elements have a label associated with it. Use title attribute if there is no label, e.g. `<input type="submit" title="Search" value="Search" />`

8. Test again for WCAG Compliance, until there are no known problems. You can improve accessibility further by addressing at the 'Potential Problems', however this is optional.



9. Download the PDF report for submission.
10. 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 to Canvas. Check the assessment criteria for the important aspect that your tutor checks.