



Interface Design and Development

Task 1.1 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.

Resources:

- Web Accessibility Initiative (WAI), <http://www.w3.org/WAI/>
- Web Content Accessibility Guidelines 2.0 (WCAG2) <http://www.w3.org/TR/WCAG20/>

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 Task 1.1 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:

E-mail Address:

Mailing Address:

Credit Card Information

☒ Visa ☐ MasterCard

Number:

Expiry:

HTML - Form Data Extraction Test

Table of data pairs submitted to the server

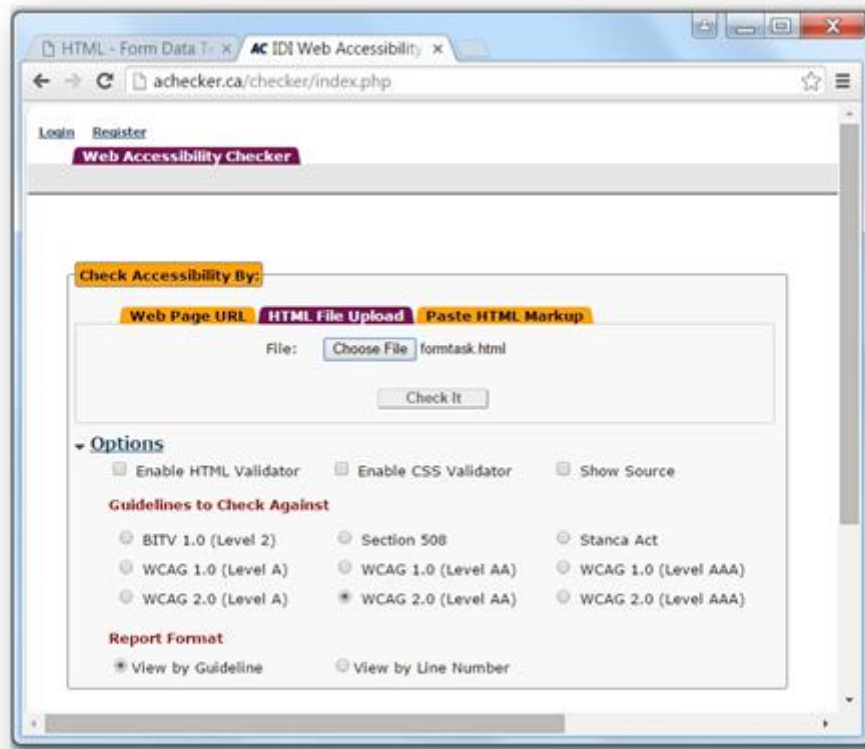
#	Form Variable 'name'	Submitted 'value'
1	name	Caslon Chua
2	email	cchua@swin.edu.au
3	address	Mail H39 PO Box 218 Hawthorn VIC 3122
4	card	visa
5	number	4321 1234 5678 9012
6	expiry	02/20

Are all name value pairs here? Anything missing?

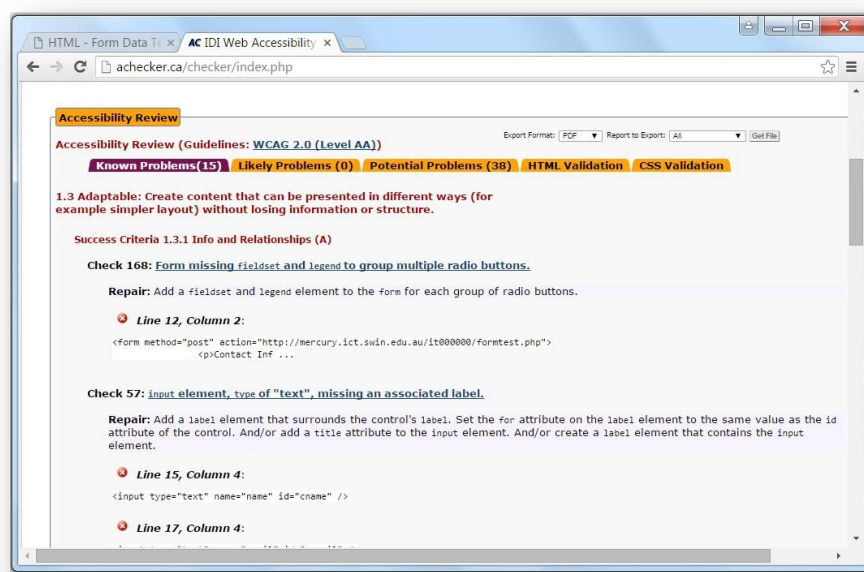
Note: Internet connection is required for the form data to be successfully submitted to a server for processing.

5. Use the online Accessibility Validator Achecker <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'

Alternatively, you can also download the test version of Total Validator from <https://www.totalvalidator.com/>. The instructions below are for the online tool Achecker. You can follow a similar method to validate your file using Total Validator.



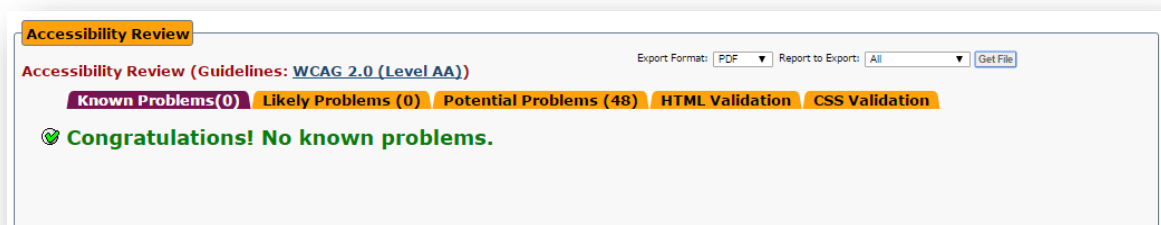
6. Look at the “Accessibility Review” to see if the web page has any problems. For WCAG2.0 this shows: ‘Known Problems’, ‘Likely Problems’, ‘Potential Problems’



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. Save your work in an appropriate place in case you need to refer to it later.