Office of the Government Chief Information Officer

How to join the Web Accessibility Recognition Scheme?

Digital Inclusion Division
30 October 2012

無障礙網頁
嘉許計劃
Web Accessibility
Recognition Scheme

Implementing Web Accessibility Design

General Key Steps

- Stock-take the website

- Initial assessment

- Rectification

- Testing
  - Code scanning (e.g. Achecker, WAVE, ...)
  - Visual review (e.g. Vischeck, Colour Contrast Check, ...)
  - Manual testing with assistive technologies (e..g Jaws, VoiceOver, NVDA, Zoom text, ...)
  - PDF file (e.g. Adobe Acrobat Professional, PDF-Accessibilty-Checker (PAC), ...)
  - Human testing (preferably by persons with disabilities)

Areas to be Assessed

Six types of webpages to be assessed:

1. Main webpage
2. Contact us/What's News webpage(s)
3. All first level of webpages
4. All webpages for three core businesses

Mock-up website hierarchy
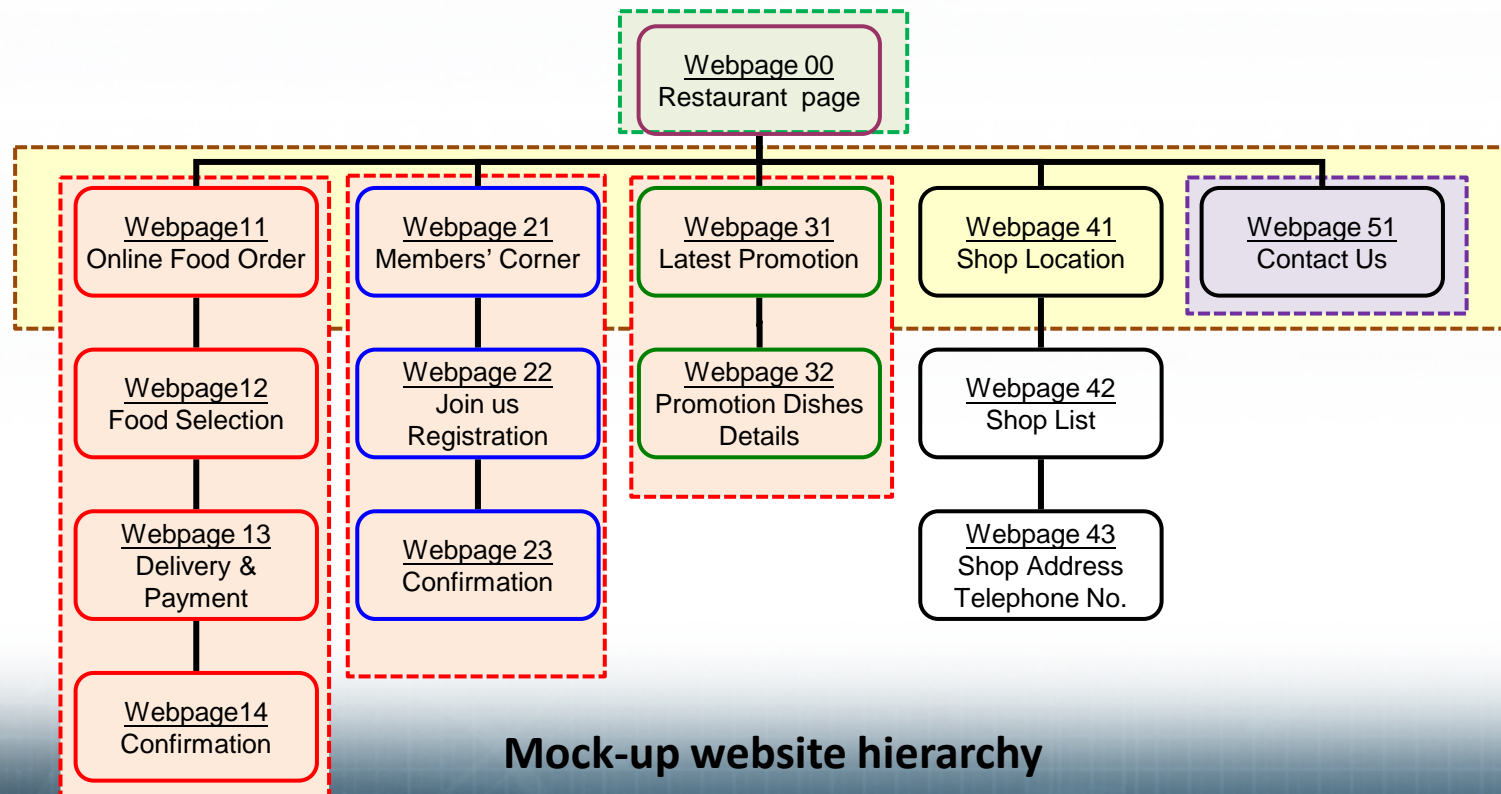
List of Judging Criteria

10 Silver Award Judging Criteria

| No.	Criteria
1	Provide meaningful text alternative for non-text contents
2	Provide accessible Flash/Animated content or allow to skip
3	Allow to perform all operations through a keyboard interface
4	Easy to turn off background sound or set as user-initiated only
5	Provide means to close popup windows
6	Provide clear and informative links
7	Provide accurate and appropriate headings/labels
8	Make website structure and content easy to be used with assistive technologies
9	Provide input assistance such as proper labels for user input and error identification and description etc.
10	Provide error prevention for transactions

List of Judging Criteria

11 Gold award judging criteria

No.	Criteria
11	Build webpages with predictable operations
12	Able to skip repetitive blocks
13	Build webpages with user-initiated auto-updating
14	Provide sufficient time for users to read the content and operate the function
15	Text can be resized up to 200 percent without loss of content
16	Provide in-sync content for text-only version of a website
17	Provide sufficient colour contrast
18	Ensure correct syntax of webpages for compatibility with browsers and assistive technologies
19	Provide captions or sign language for 20% of pre-recorded videos published in the most recent 2 years
20	Provide meaningful title, summary or description for table headers as well as data
21	Provide an accessibility statement with contact points for the website

1. Meaningful Alternative Text Description

- A text description that can be read by the screen reader should be included
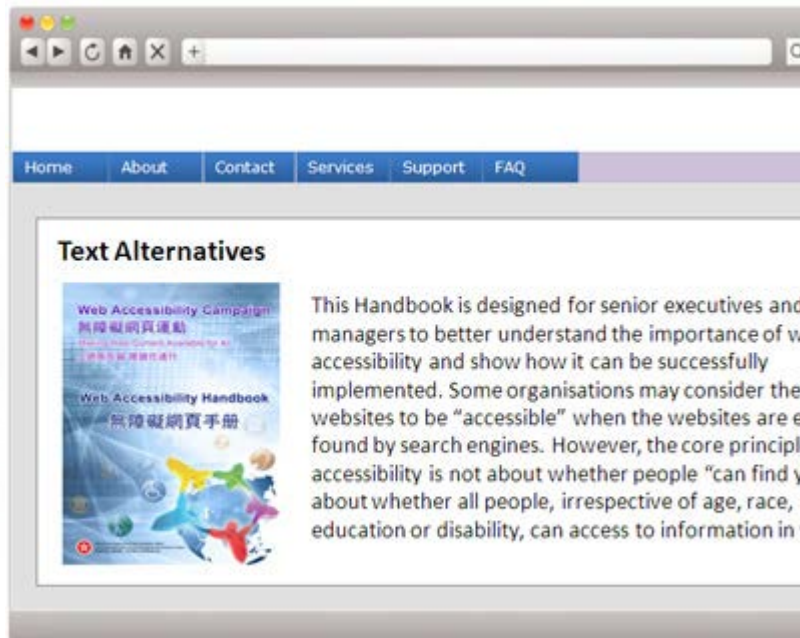
Screen reader cannot read the picture
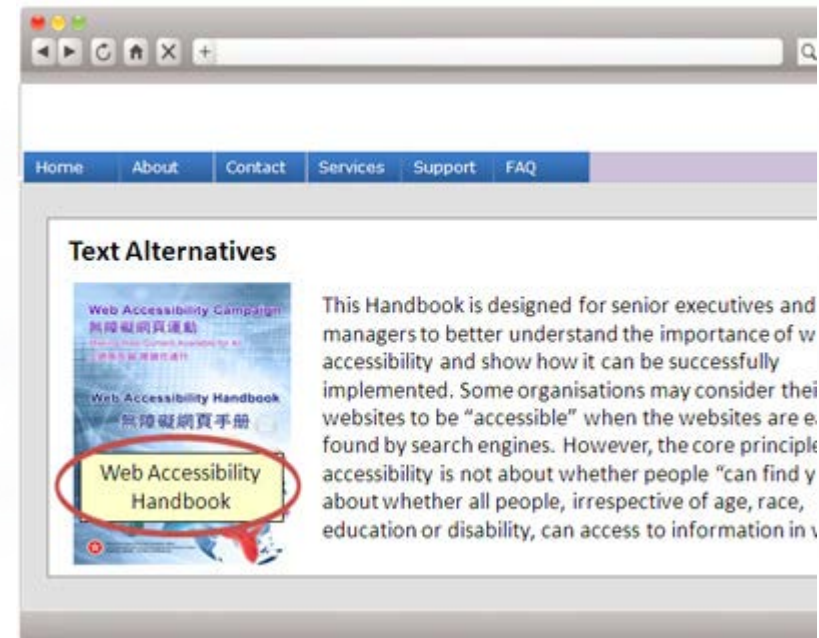
A text description that can be read by the screen reader

2. Flash /Animated Content

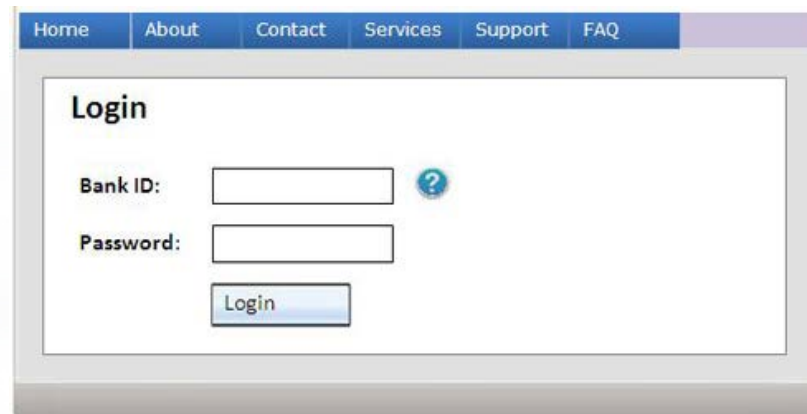- Provide accessible Flash/Animated content or allow skip function

Flash content blocks the user from getting to main content

Include "Skip to Content" option allow user to skip Flash content

3. Keyboard Interface

- All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes


```
<img src="question.gif" alt="Question"
onclick="openPop();" />
```

```
<img src="question.gif" alt="Question" onclick="openPop();"
onkeypress="openPop();" tabindex="0"/>
```

People using a keyboard interface may not be able to navigate to the help function provided

Allow users to access all content and functions with a keyboard interface

4. Background Sound

- Easy to turn off background sound or set as user-initiated only
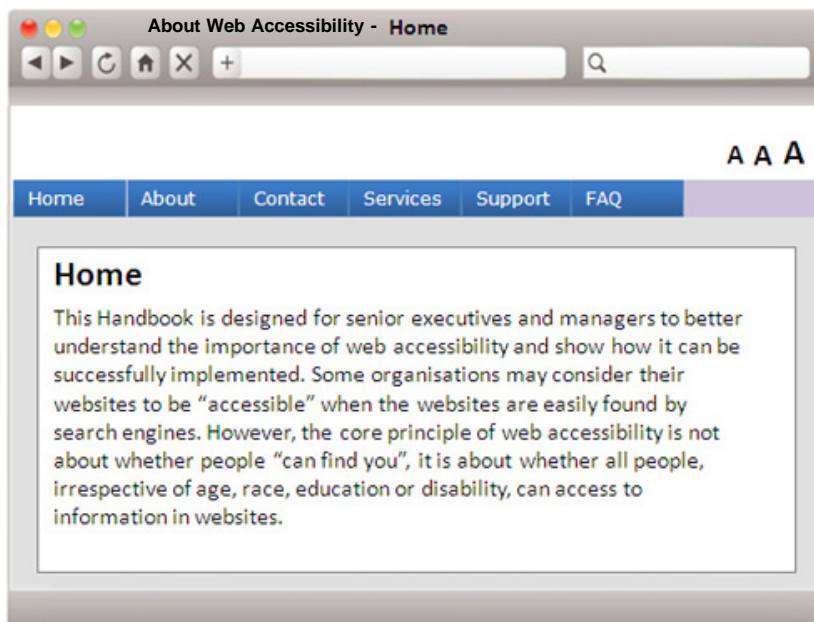
The background sound will begin playing automatically in five seconds
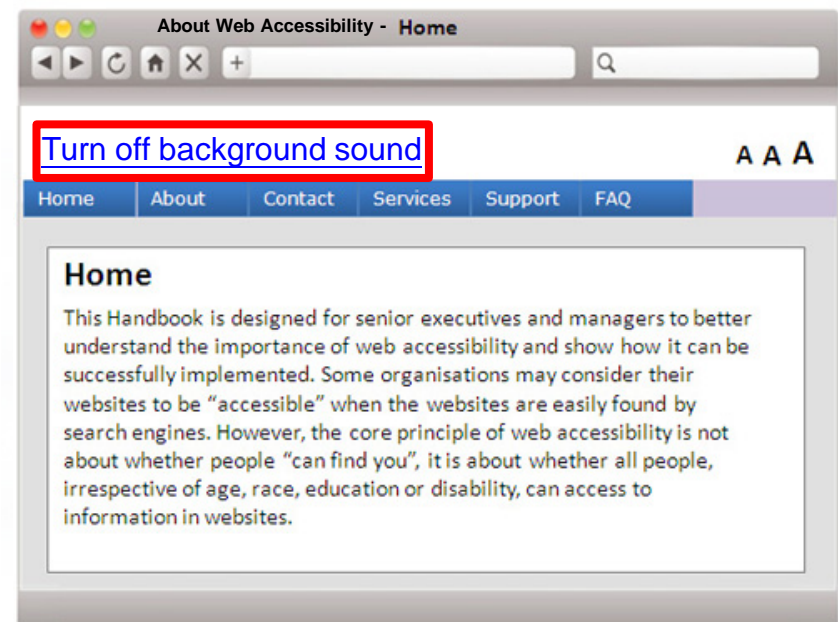
Include a link to turn off the background sound at the beginning of the webpage

5. Popup Windows

- Ensure the keyboard interface can be used to control or dismiss dialogue boxes, popups or other windows
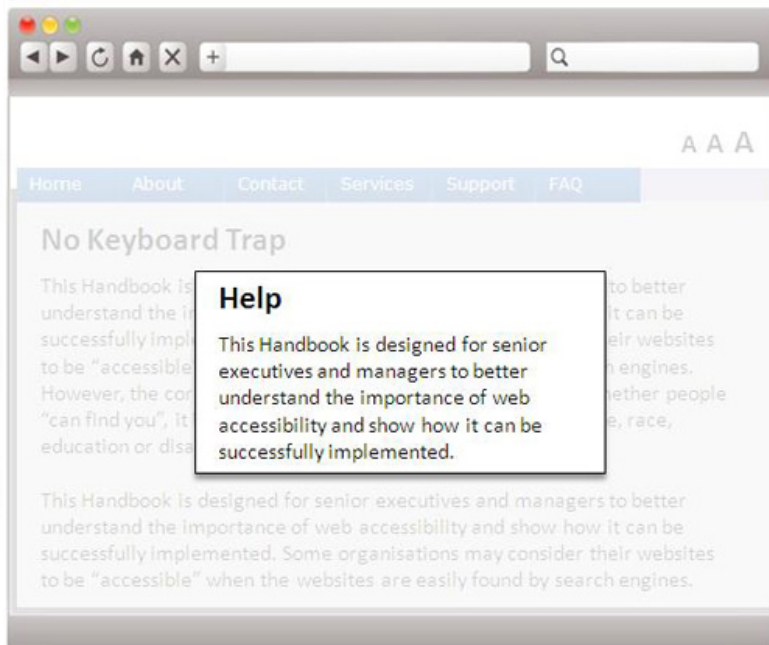
No ways to close the popup windows
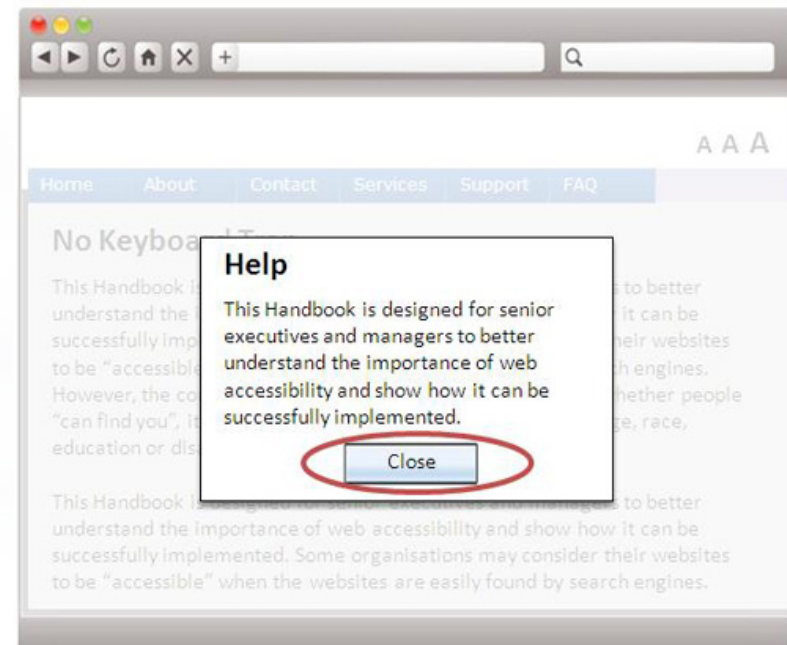
Include a Close button to close the popup windows

6. Links

- Provide clear and informative links for assistive tools
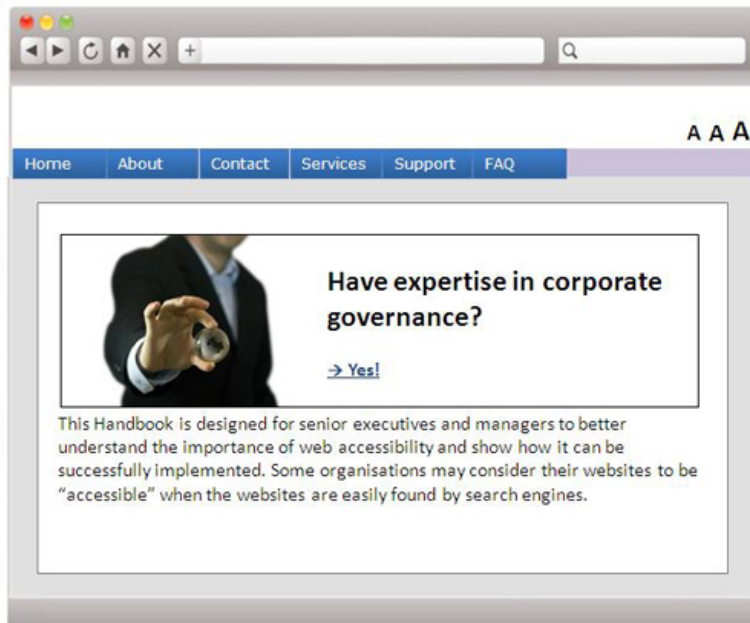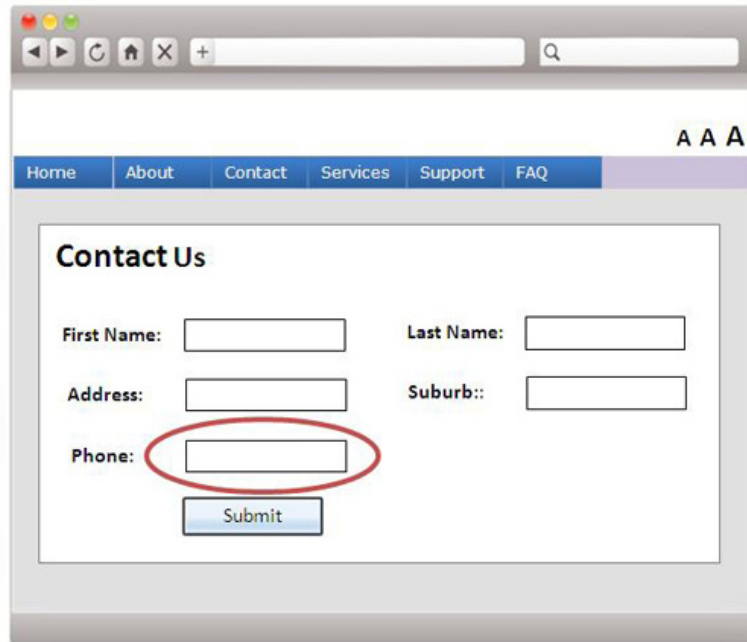
The link "Yes" is ambiguous and does not really convey much meaning
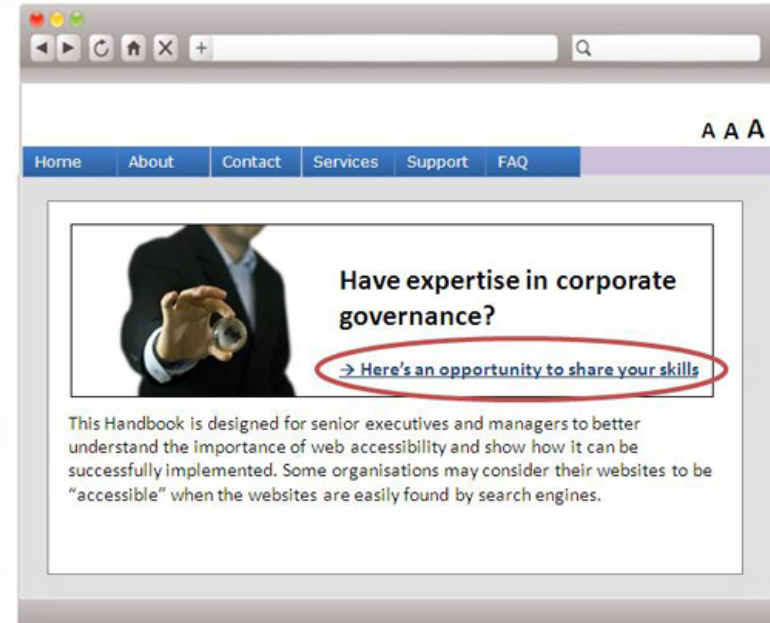
Link labels should be more descriptive and self-explanatory
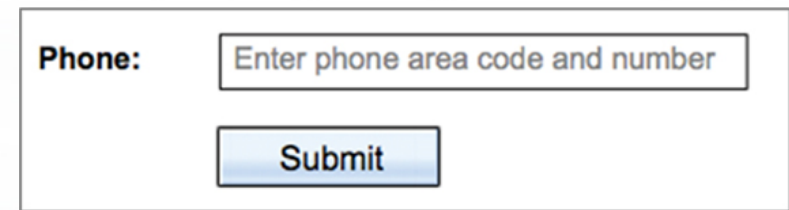
7. Headings/Labels

- Provide accurate and appropriate headings/labels

No information on what format to use to enter the phone number

Add default instructions to the fields

8. Website Structure and Content (1)

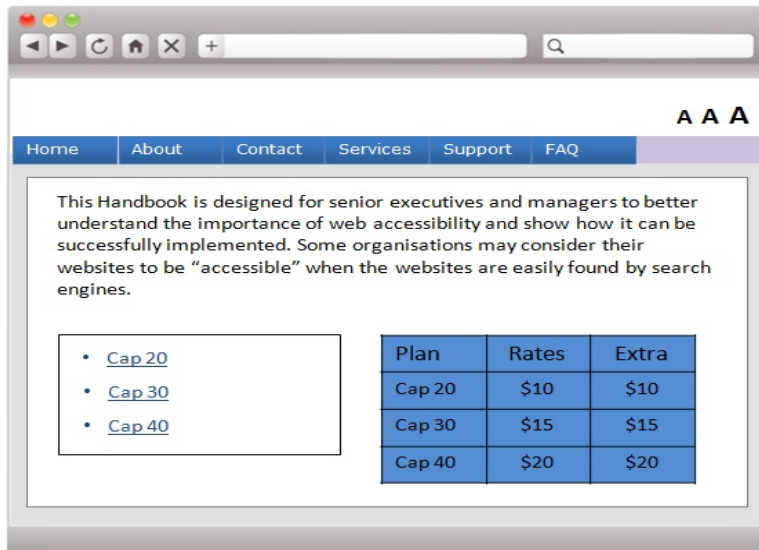- Make website structure and content easy to be used with assistive technologies
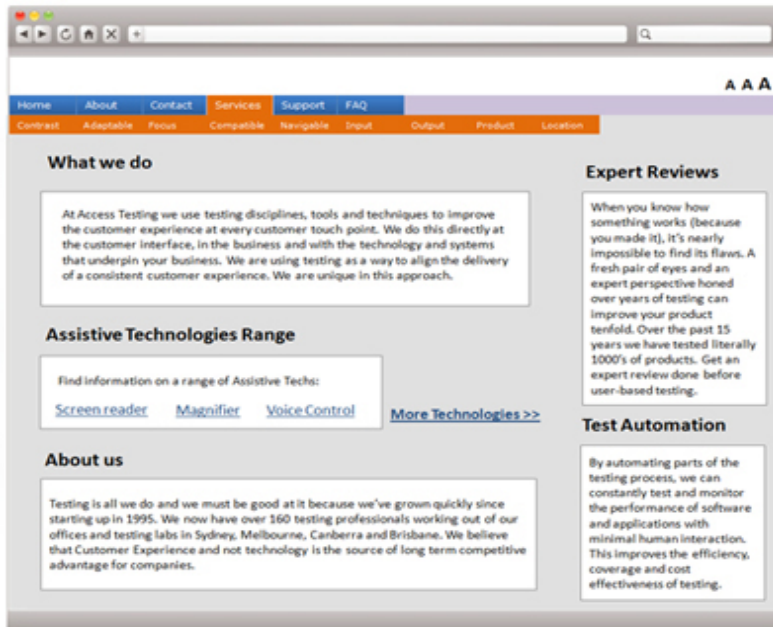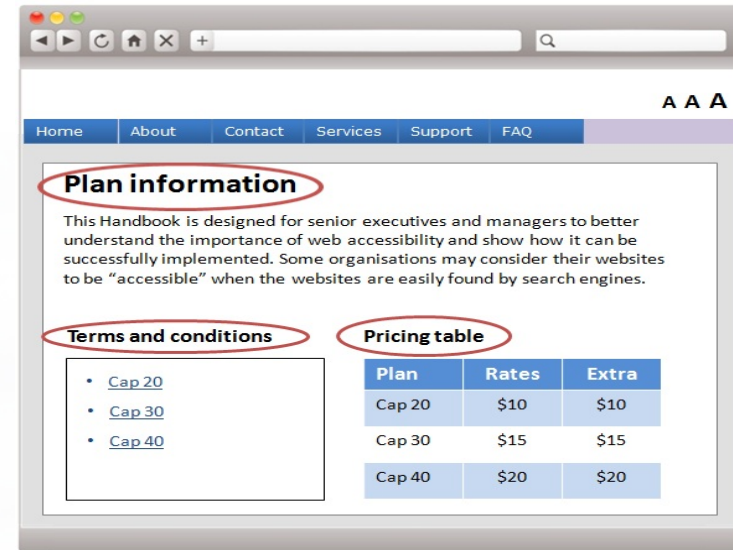

Complicated website structure
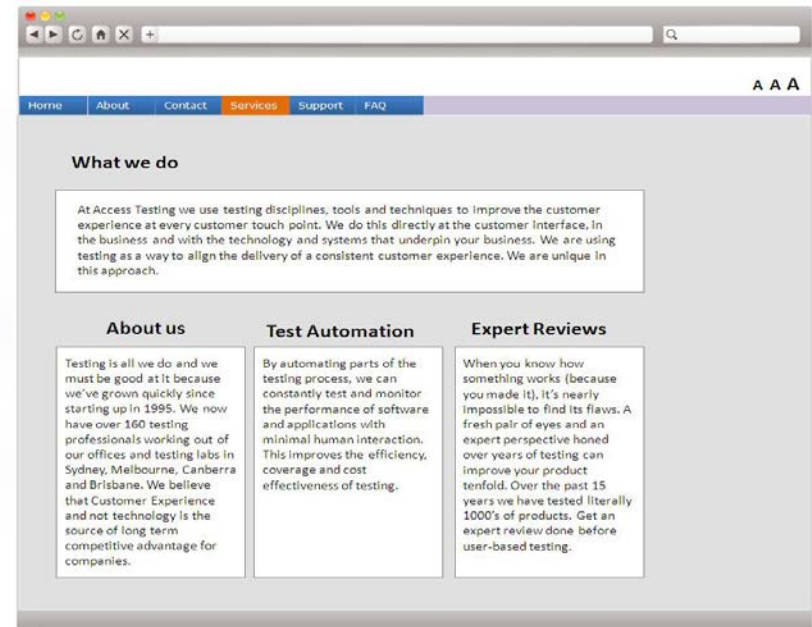
Simpler and ordered website structure

8. Website Structure and Content (2)

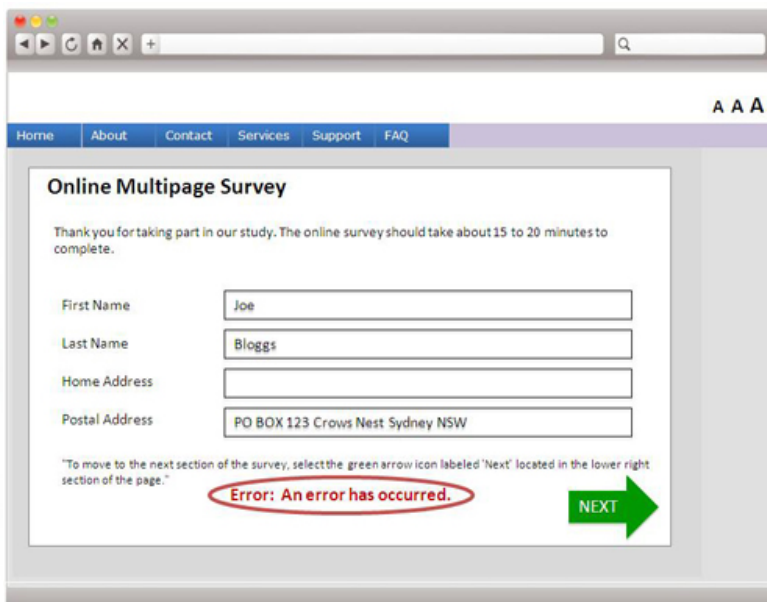- Provide appropriate heading structure for screen readers

Missing heading structure

Provide semantic code for headings (h1,h2,h3) in the content

9. Input Assistance

- Provide input assistance such as proper labels for user input, error identification, description and suggestions etc.
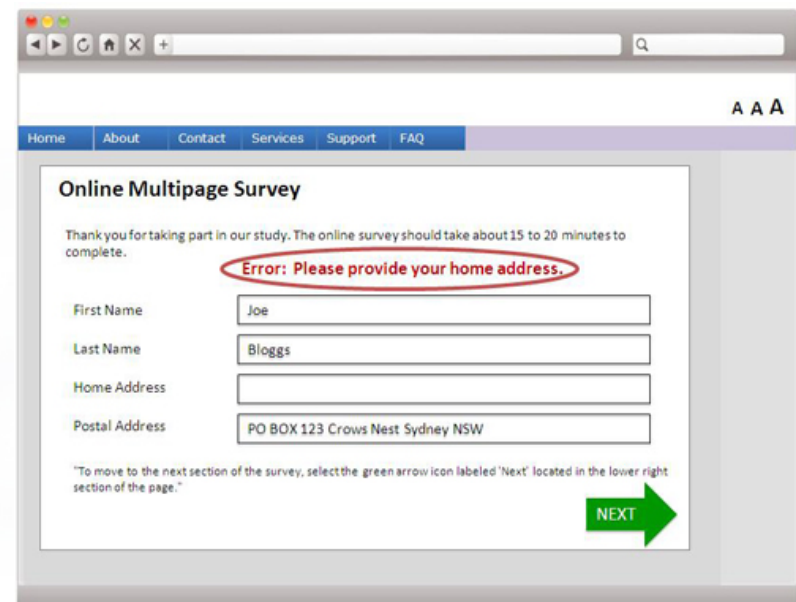
The error message is located at the bottom of the webpage and does not provide an adequate description of what needs to be corrected

The error message is located at the top of the webpage and provides a good explanation of what needs to be corrected

10. Error Prevention

- Provide error prevention for transactions
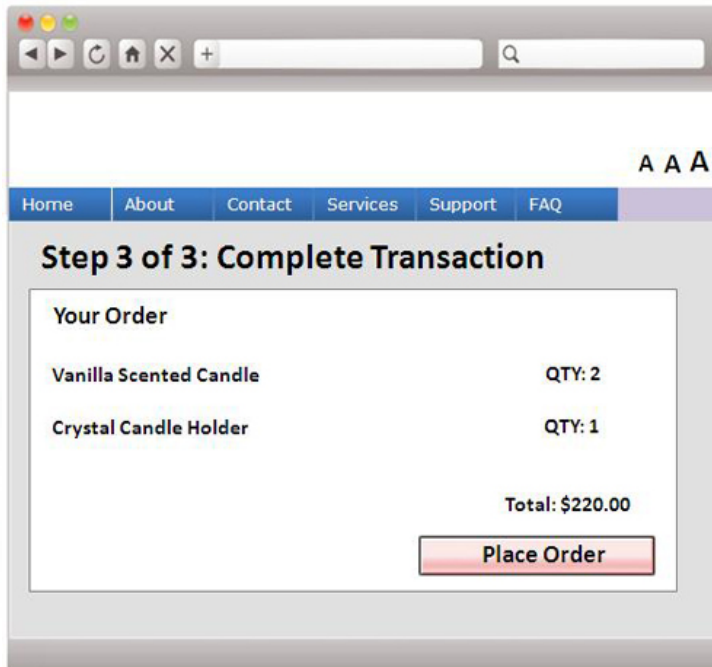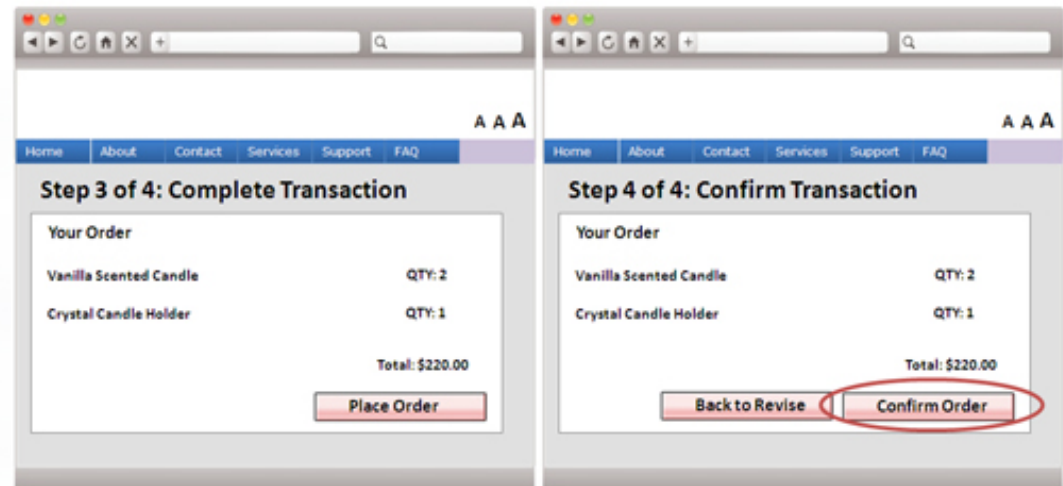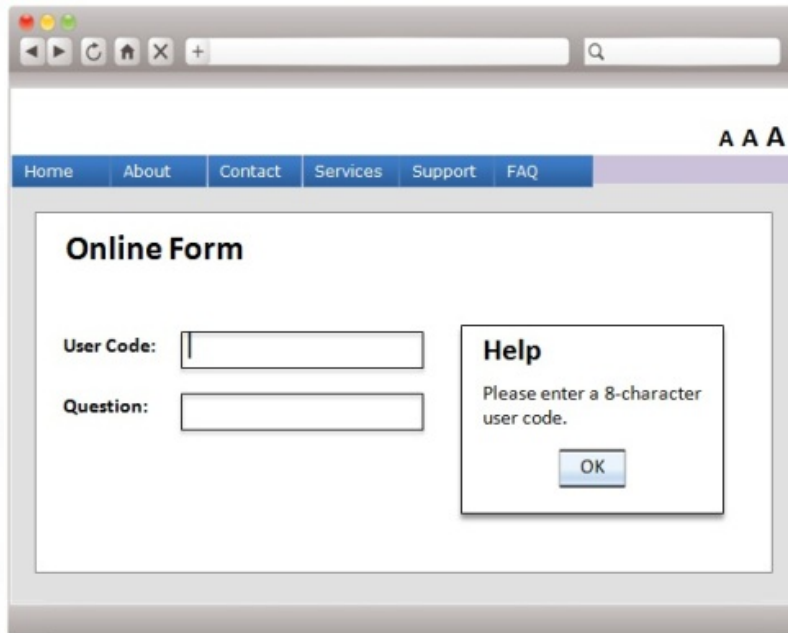

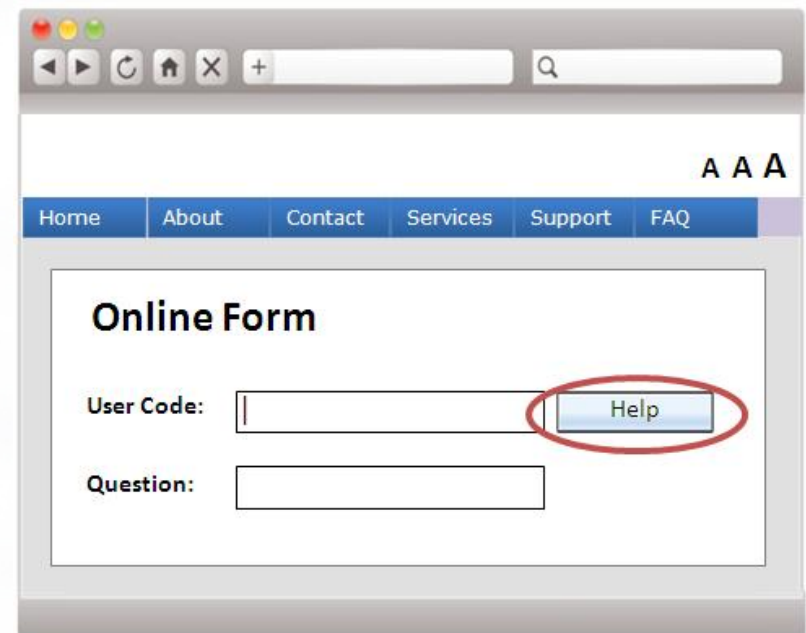User is forced to place the order without a confirmation process

Allow the user to first confirm and give him/her the option to change any of the details before the final submission

11. Predictable Operations

- Build webpages with predictable operations

A field receives focus, and a help dialogue box describing the field and providing options opens
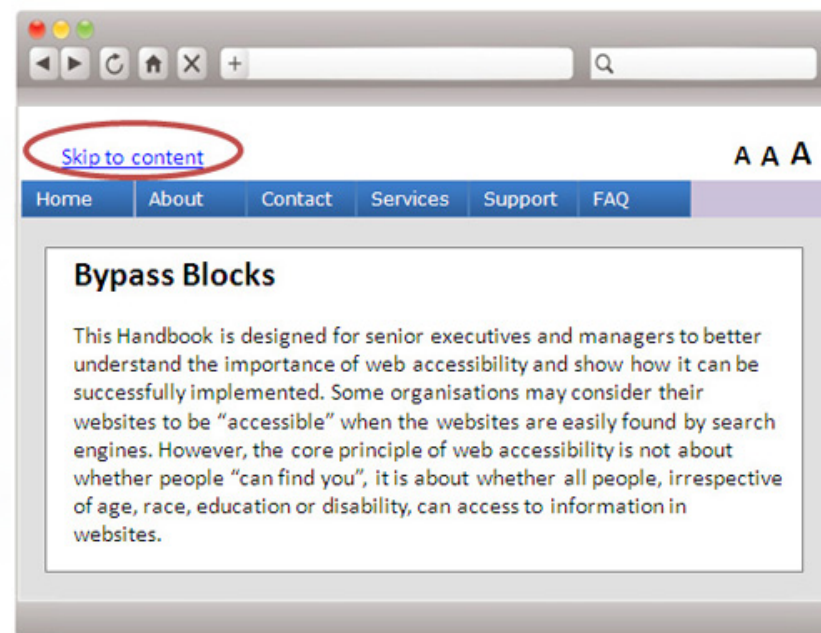

Allow the user to activate "Help" only at their choice

12. Skip Repetitive Blocks

- Ensure users have the ability to skip past repetitive blocks of content (e.g. the navigation at the top of the webpage)

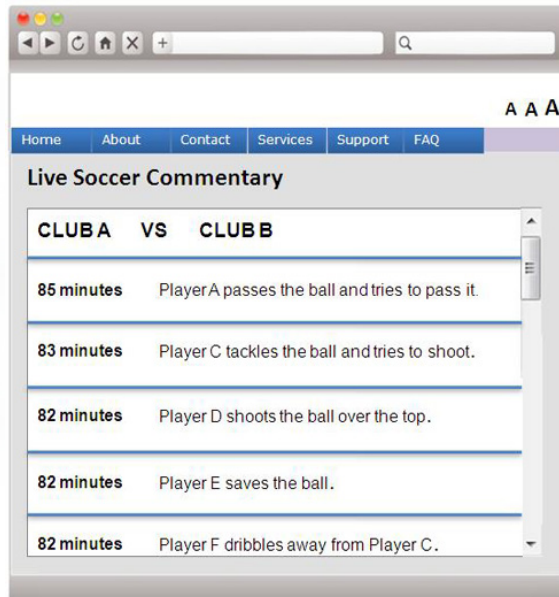People using screen readers need to read all the navigation information before getting to the target content
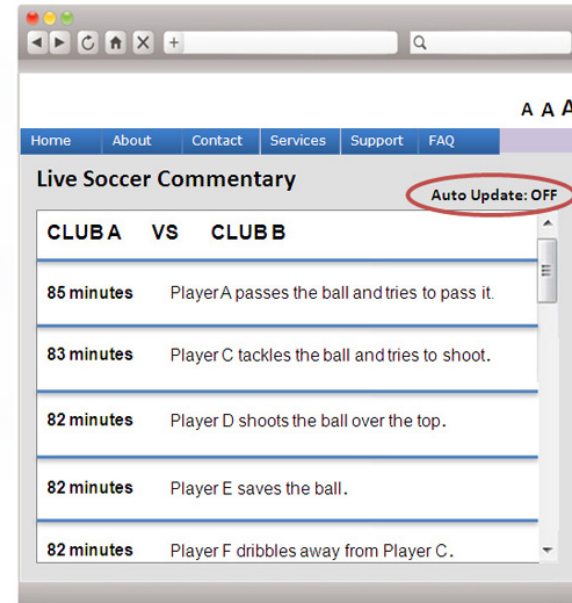
Add a "Skip to content" link at the top of each webpage

13. User-initiated Auto-updating

- Allow the user to pause, stop or hide any moving information that starts automatically and lasts more than five seconds

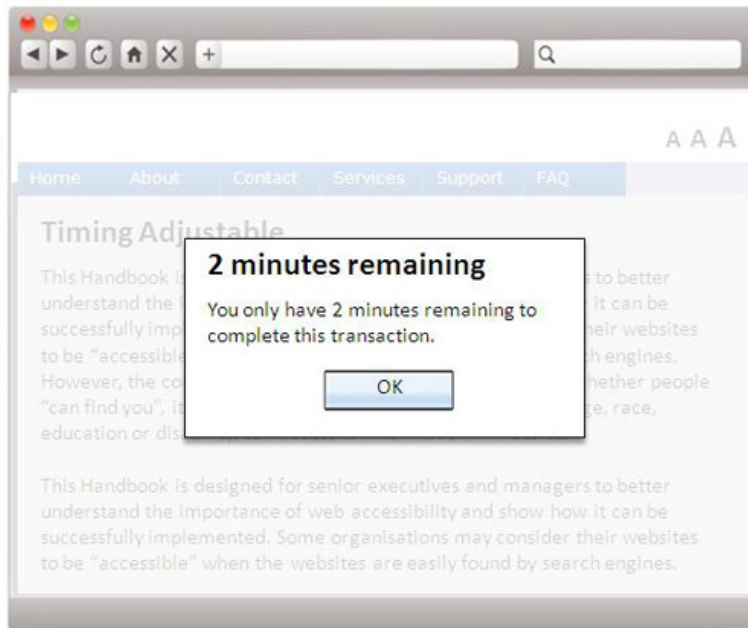Update automatically as content changes

Provide a function to turn off the auto updating

14. Time-limited Function

- Provide users enough time to read the content or operate the function

Warn the user that time is about to expire
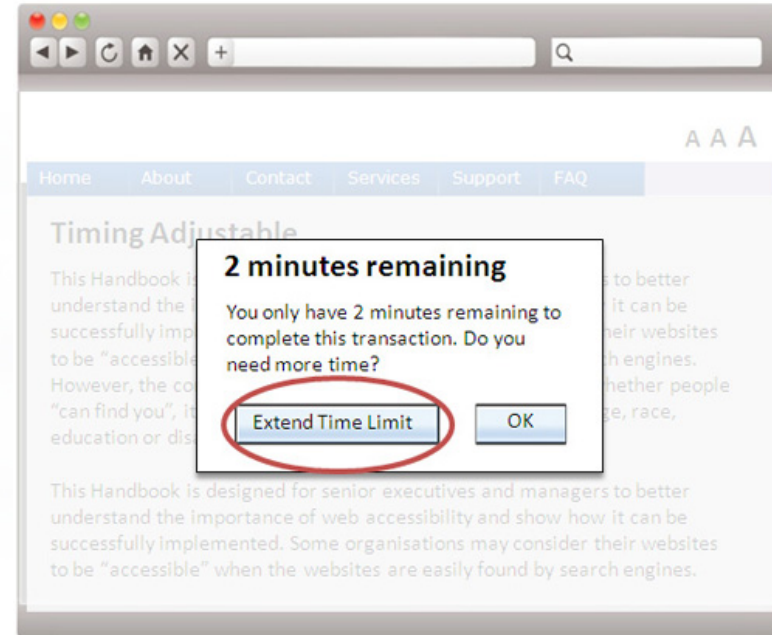
Allow the user to extend the time

15. Text Resize

- Text can be resized up to 200 % without loss of content

Cannot resize text
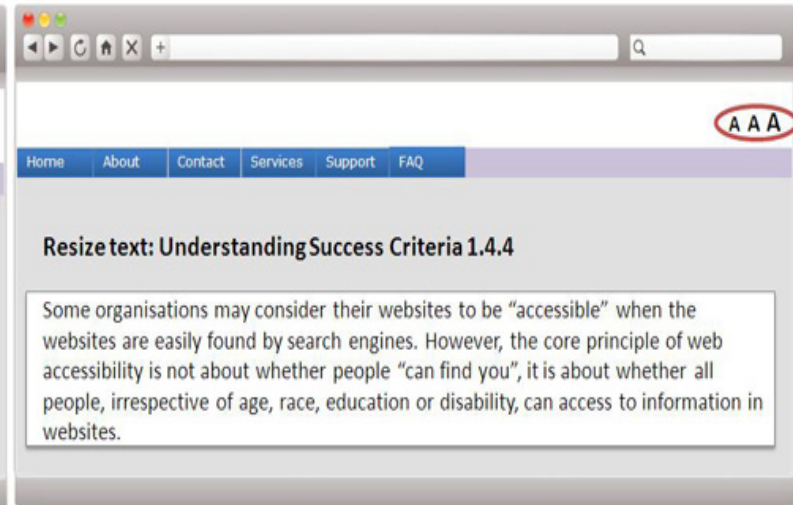
Can resize text

16. Text-only Version

- Provide in-sync content for text-only version of a website
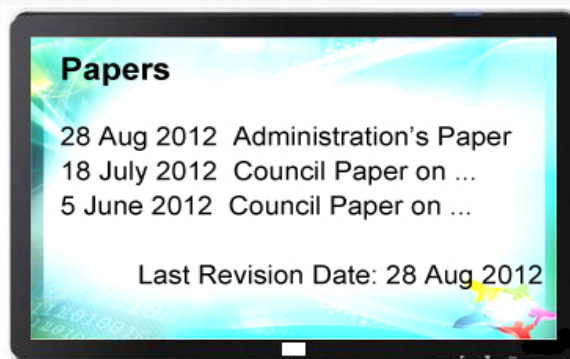
Primary version
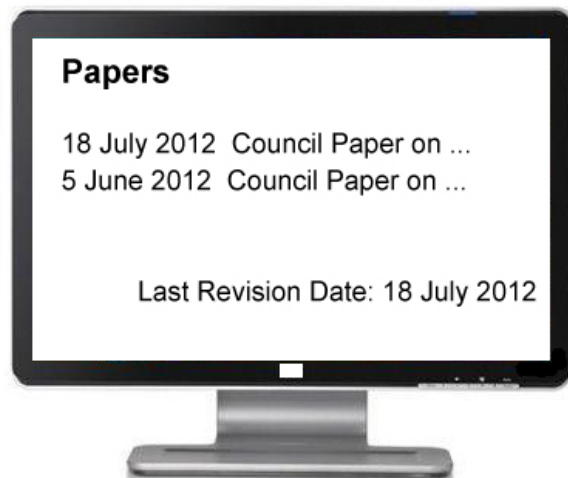
Text-only version

Update the text version when there is any change in the website

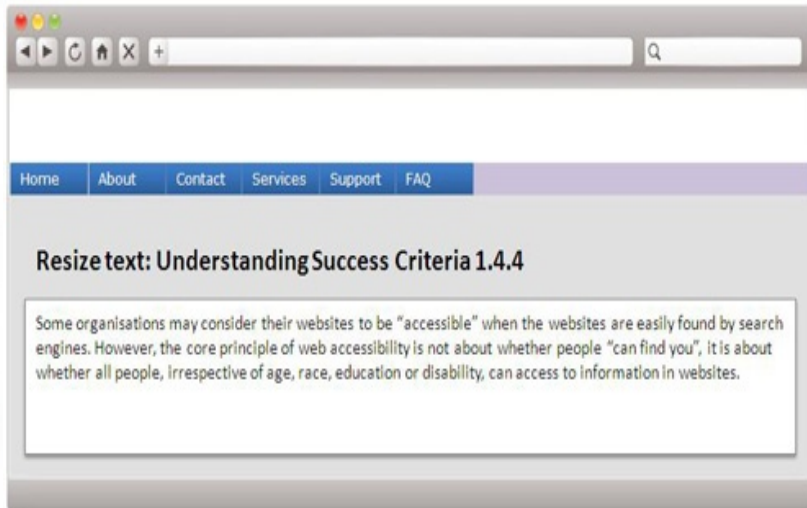# 17. Sufficient Colour Contrast

- The visual presentation of text and images of text has a contrast ratio of at least 4.5:1. Logo or brand name is exempted

Poor background contrast

Easier to read with higher contrast

18. Compatibility

- Ensure correct syntax of webpages for compatibility with browsers and assistive technologies
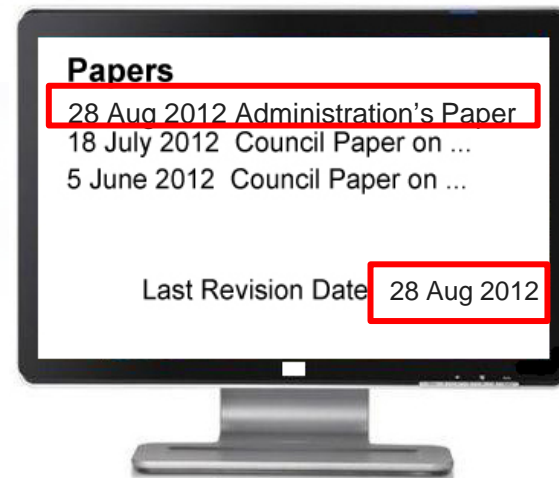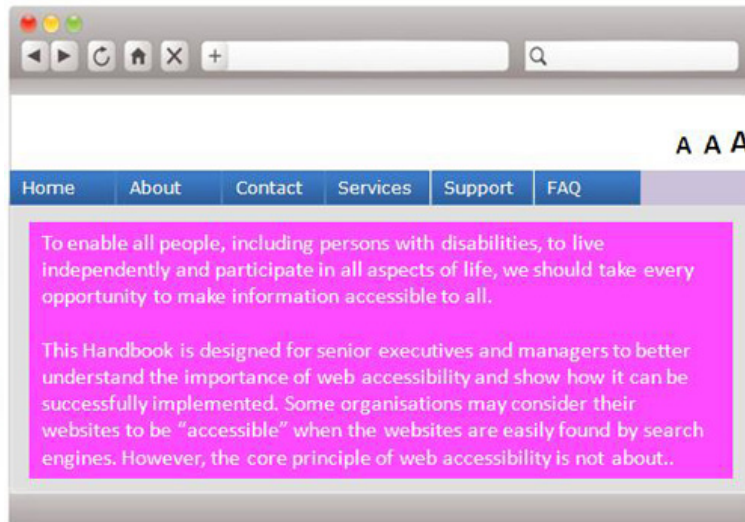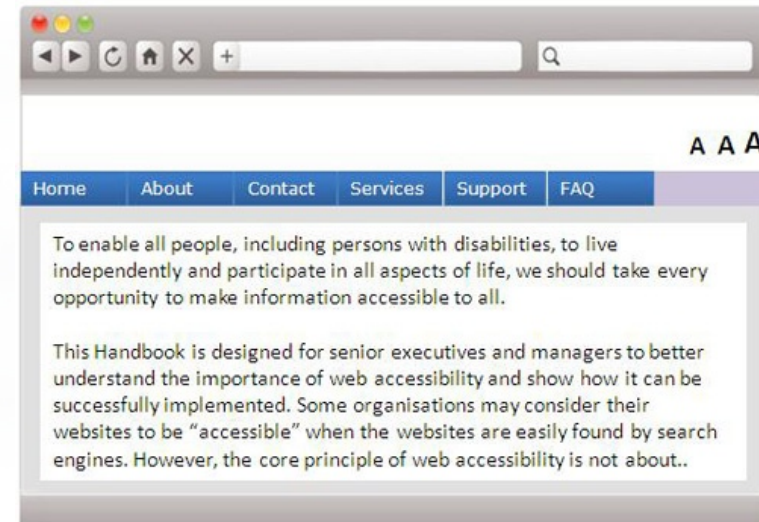
```
Breakfastmenu.xml

<breakfast_menu>

<food>
<name>Belgian Waffles</nam
<price>$5.95</price>
<descriptionn>
Two of our famous Belgian Waffles with plenty of real maple
syrup
</description>
<calories>650 </calories>
</food>

<food>
<name>Bacon and Eggs</name>
<price>$7.95</price>
<description>
Bacon and eggs served on toast
</description>
<calories>900
</food>

<breakfast_menu>
```

Misspelled closing tag

Missing a "</calories>" closing tag

```
Breakfastmenu.xml

<breakfast_menu>

<food>
<name>Belgian Waffles</name>
<price>$5.95</price>
<description>
Two of our famous Belgian Waffles with plenty of real
maple syrup
</description>
<calories>650</calories>
</food>
<food>
<name>Bacon and Eggs</name>
<price>$7.95</price>
<description>
Bacon and eggs served on toast
</description>
<calories>900</calories>
</food>

<breakfast_menu>
```

All tags have opening and closing structures and are spelled correctly
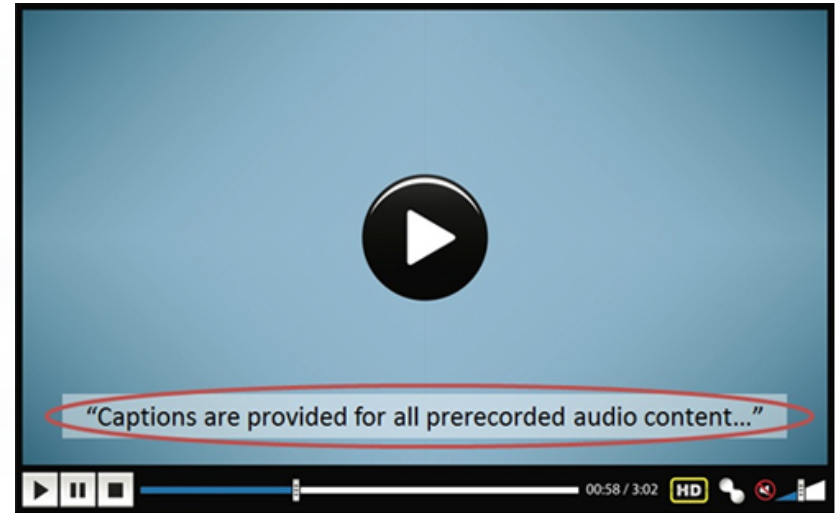
Incorrect syntax

Correct syntax

24

19. Video

- Provide captions or sign language for 20% of pre-recorded videos and audio content published in the most recent 2 years

Missing captions

"Captions are provided for all prerecorded audio content..."
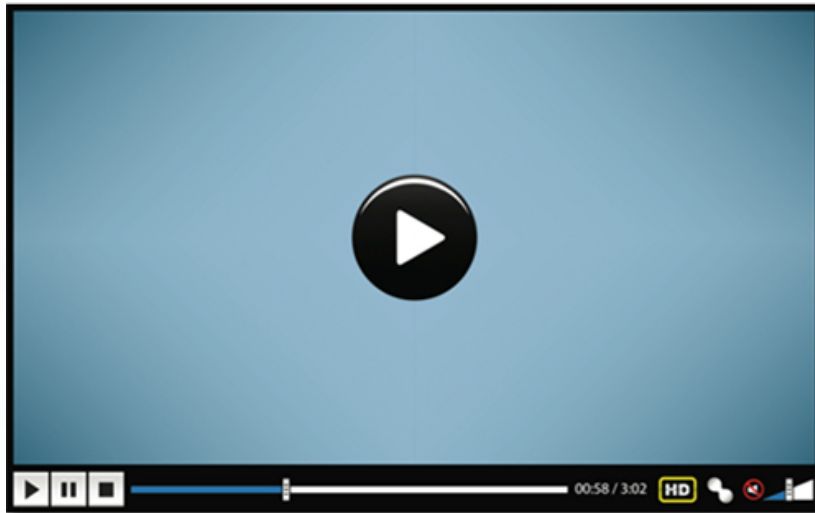
Provide captions

20. Table Header and Data

- Provide meaningful title, summary or description for table header as well as data

		Monday to Friday
General Enquiry	2582 4606	8:45 am to 12:45 pm 1:45 pm to 5:45 pm
Web Accessibility	2582 6079	9:00 am to 1:00 pm 2:00 pm to 5:30 pm

<p style="text-align:center; color:red;">No header and title for the table</p>

Enquiries Information

Hotline	Telephone	Office Hours
General Enquiry	2582 4606	8:45 am to 12:45 pm 1:45 pm to 5:45 pm
Web Accessibility	2582 6079	9:00 am to 1:00 pm 2:00 pm to 5:30 pm

Provide meaningful header and column title for the table

21. Accessibility Statement

- Provide an accessibility statement with contact points for users when they encounter difficulties in accessing the content

**Provide an accessibility statement
with contact points**

Details of Judging Criteria

www.webforall.gov.hk

- Guide to Application

- Web Accessibility Handbook

Enquiry and Advisory

Tel. no.   :   2582 4606

Email address :   wac@ogcio.gov.hk

Let's join hands in making a digitally inclusive society

Thank you!