



Accessibility implementation practices

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Objective



- ▣ Provide some accessibility implementation practices for discussion, to see if any enhancements are needed for the existing specs or new specs.

Background



- ❑ When blind people use PC or mobile devices, usually they will use screen readers to help them to navigate web pages.
- ❑ But they have some difficulties with some use cases, and this presentation lists some implementation practices for them.

Use case 1: picture



- Issues
 - ▣ For some pictures, there are no descriptive texts.
 - ▣ When a picture contains a link, there is no destination text for the link.
- Implementation practices
 - ▣ Use “alt” attribute in `` element.
 - ▣ Use “alt” and “href” attribute to indicate destination descriptive text and destination link.

Use case 2: verification code

□ Issues

- Some websites only provide verification code contained in figure, and it is difficult for the blind people to recognize, and even difficult for the screen reader.
- Some websites use slider, or ask users to select from pictures, which make people difficult to input.



□ Implementation practices

- Add voice verification code or SMS code functionalities.

Use case 3: floating page



- Issues
 - ▣ Sometimes a floating page can't be closed, e.g. welcome floating page.
- Implementation practices
 - ▣ Set focus to the floating page, so user can select.

Use case 4: focus



- Issues
 - ▣ No focus on the web page, and user can't select.
 - ▣ One focus covers multiple elements, and user can't select.
- Implementation practices
 - ▣ For each element, use attribute to indicate focusable or not.

Use case 5: controls



- Issues
 - ▣ For some controls, it is lack of indication text. User can't get voice navigation if there is no indication text.
- Implementation practices
 - ▣ Define indication texts for the controls.

Gap analysis



- Web content accessibility guidelines 2.0
 - WCAG 2.0 defines four principles that provide the foundation for Web accessibility: perceivable, operable, understandable, and robust, and defines a set of guidelines according to the principles.
 - It does not provide detailed practices to achieve mobile accessibility.
- Mobile Accessibility: How WCAG 2.0 and Other W3C/WAI Guidelines Apply to Mobile.
 - It describes how the WCAG 2.0 and its principles, guidelines, and success criteria can be applied to mobile web content, mobile web apps, native apps, and hybrid apps using web components inside native apps.
 - It does not cover the use cases mentioned in the previous slides.

Next step



- Detailed drafts will be submitted to document the issues and implementation practices, to give guidance to web developers, and to facilitate users.