



Improving Accessibility of your Story Maps

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What is accessibility?

What is Accessibility?

- Making something easier to use by people with disabilities



▼ 16 Passed Audits

- ▶ Elements Use Attributes Correctly
- ▼ ARIA Attributes Follow Best Practices

These are opportunities to improve the usage of ARIA in your application which may enhance the experience for users of assistive technology, like a screen reader.

- ▶ `{role}s` have all required `{aria-*}` attributes ✓
- ▶ Elements with `{role}` that require specific children `{role}s`, are present ✓
- ▶ `{role}s` are contained by their required parent element ✓
- ▶ `{role}` values are valid ✓
- ▶ `{aria-*}` attributes have valid values ✓
- ▶ `{aria-*}` attributes are valid and not misspelled ✓

Accessibility guidelines and requirements

- World Wide Web Consortium's **WCAG 2.0**
- US, EU, and many other governments use WCAG
 - Also might hear about US Federal Government's "**Section 508**" of the Rehabilitation Act of 1973



Web Content Accessibility Guidelines (WCAG) 2.0

W3C Recommendation 11 December 2008

This version:

<http://www.w3.org/TR/2008/REC-WCAG20-20081211/>

Latest version:

<http://www.w3.org/TR/WCAG20/>

Previous version:

<http://www.w3.org/TR/2008/PR-WCAG20-20081103/>

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Please refer to the [errata](#) for this document, which may include normative corrections.

See also [translations](#).

This document is also available in non-normative formats, available from [Alternate Versions of Web Content Accessibility Guidelines 2.0](#).

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Areas of focus for story maps accessibility

- **Keyboard navigation**
- **Support for screen readers**
 - Including the ability for authors to add alternative text for media
- **Readability**
 - Text/background color contrast, font size, ...

Automated testing

- Automated testing
 - Lighthouse audit in Chrome's developer tools
 - Others...
- Results depend on story content and author choices

The screenshot displays a Lighthouse accessibility audit for a website. The audit results are shown in a green-bordered box on the right side of the page. The score is 96, indicating a high level of accessibility. The audit highlights several issues, including 'Accessibility' and 'Meta Tags Used Properly'. The background shows a website with a map and a bar chart.

Accessibility
These checks highlight opportunities to improve the accessibility of your web app. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

96

Accessibility
These checks highlight opportunities to improve the accessibility of your web app. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

Meta Tags Used Properly
These are opportunities to improve the user experience of your site.

- `<meta charset="utf-8">` is used in the meta
- `<meta name="viewport" content="width=device-width, initial-scale=1">` is used in the meta

18 Passed Audits

18 Not Applicable Audits

Additional items to manually check.

Generated by Lighthouse 2.0.1 on Jul 2, 2016, 1:26:48 GMT

Portland Traffic Deaths and Injuries since 2006

Portland Bureau of Transportation

Traffic deaths & injuries*, all people traveling

700
600
500
400
300
200
100
0

2007 08 09 10 11 12 13 14 15 16 17 18 to date

* Includes only serious injuries to people in vehicles, and all injuries to people walking or bicycling. Injury data for 2014-2016 is not yet available.

Deaths: 26
Injuries: 26

High crash corridors
High crash intersections

Click on a dot to see the number of deaths or injuries resulting from crashes between 2006-2014. Deaths reported by the Portland Police Bureau since 2013 are included, but injury data since 2013 has not yet been released by the Oregon Department of Transportation (ODOT). Crash factor data for 2014-16 deaths are preliminary and may be different in the official ODOT data. When released, red numbers are added to the number in parentheses, click on it to see the actual location of the crash.

Learn more about our [Open Data](#) effort and how we [access our data](#).

Last update: June 26, 2016

Source: Most data, Oregon Department of Transportation; some data, Oregon Department of Transportation and Portland Police Bureau.

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Using accessibility features of Story Maps

DEMO

Color contrast

- Story Maps target compliance with **WCAG AA**
- Default themes in MJ/MS comply with WCAG AA
 - Some other themes also compliant, but not all
- If you have customized colors or use a Shared Theme, be sure to check for compliance

Color Select

Background: #647788

Foreground: #fdfdfe

Contrast Ratio

4.55:1

WCAG 2.0 Compliance

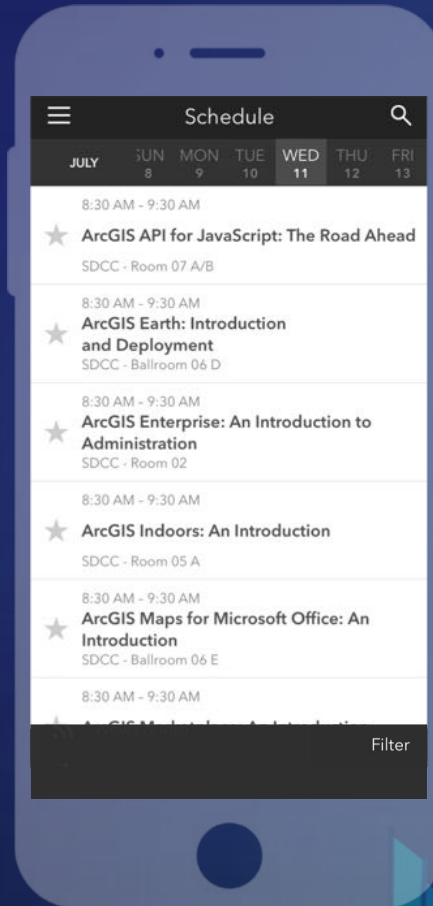
Normal Text AA (4.5:1) - **Pass**

Please Take Our Survey on the App

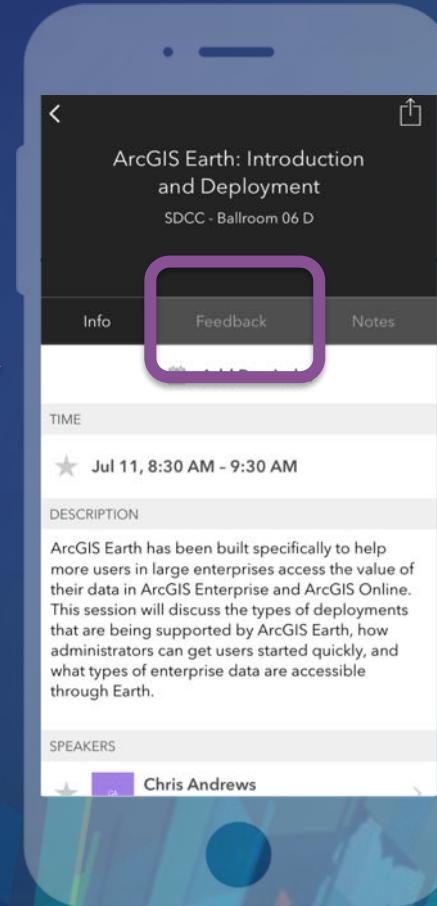
Download the Esri Events app and find your event



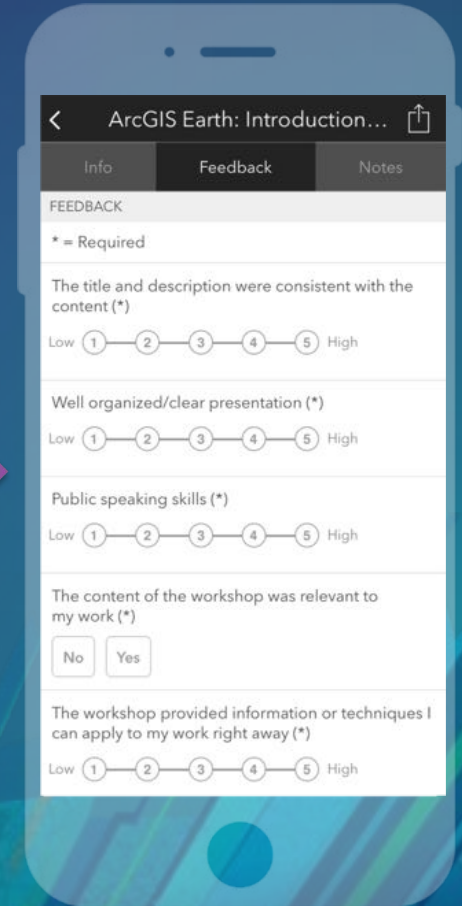
Select the session you attended



Scroll down to find the feedback section



Complete answers and select "Submit"





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