

Solve your UI

Optimize workflow

Avoid back-pedaling and waivers

Arva Adams

U.S. Patent and Trademark Office
User Experience

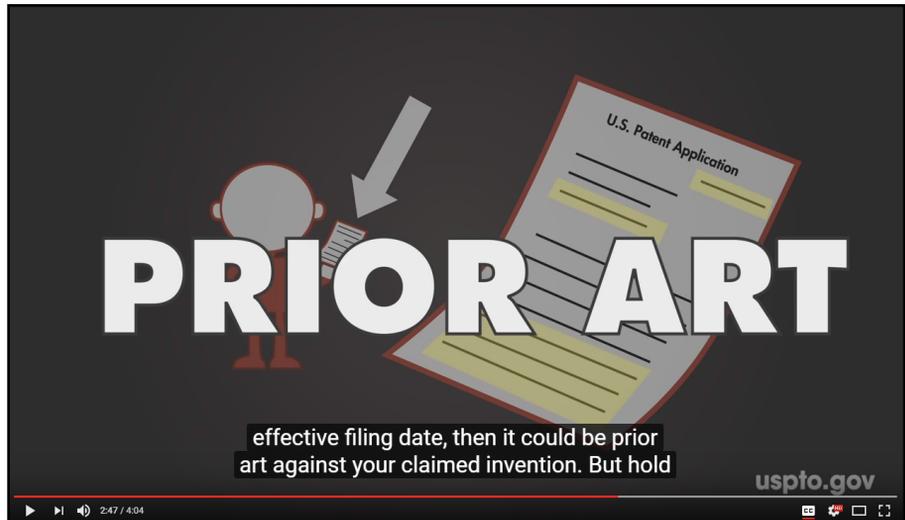
508
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in the development lifecycle

Captions

A key accessibility feature is captions. Naturally, they make sure that people who can't hear the video can understand the video.

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Captions

But how many of you multi-taskers are familiar with this scenario?

I can hear the game and text my friends without hearing Sam's boring video.

I'm learning about patent prior art and can still follow the game.

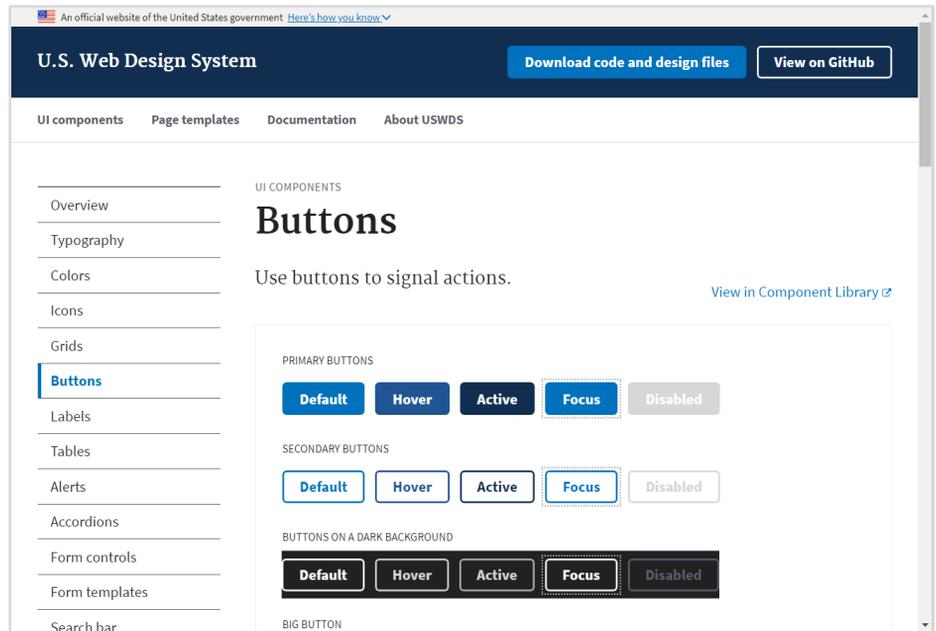


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Visuals

Start with our trusty dusty **U.S. Web Design System.**

Search “U.S. Web Design System” in Google and boom.



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AA and AAA contrast

AAA is the W3C's recommendation for contrast, and AA contrast is mandated by Section 508. You can use many tools to test for and achieve AAA contrast. This makes your content readable by users with color vision issues.

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Contrast-A Find Accessible Color Combinations
In accordance with the Web Content Accessibility Guidelines (WCAG 2.0) defined by the World Wide Web Consortium

COLORS Show Thresholds for Normal Vision

TEXT SAMPLES

RESULT WCAG 2.0 - Luminance WCAG 1.0 - Brightness & Color

PALETTE Print Clear Pair Clear All

ABOUT

CONTRAST-A-WEB V2.0
The application allows users to experiment with color combinations, examine them under the aspect of accessibility guidelines and to create custom color palettes.

LINKS

COLOR DEFICIENCY
Contrast-A displays the results for normal vision and simulates the colors and results for different types of color deficiency.

The color deficiency algorithm used can be found here:
It is an actionscript version of Petr Vaneš's VisionDefectColor class which is part of the Scribus project.

LINKS

CD Algorithm
www.scribus.net

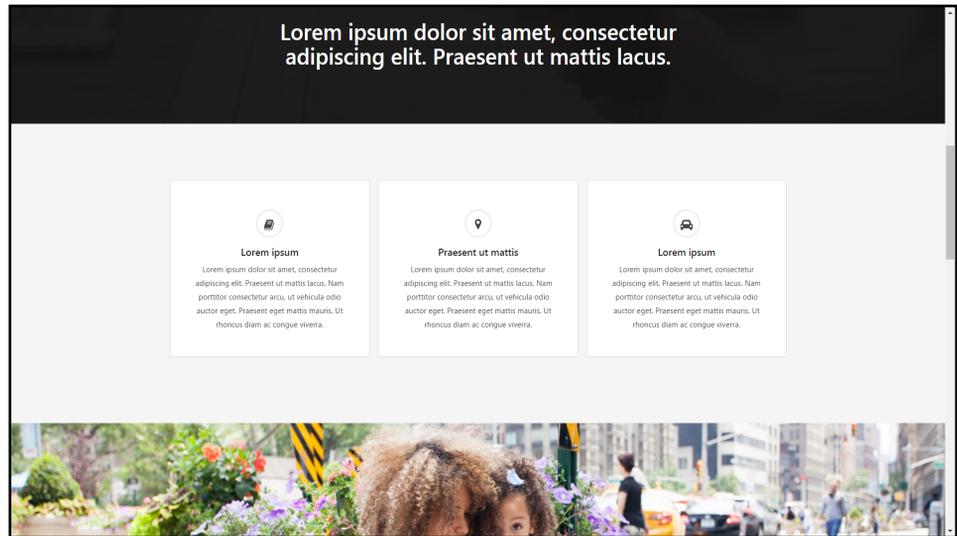
TEXT SAMPLES

Lorem Ipsum
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem Ipsum
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

AA and AAA contrast

Users with low vision and imperfect color vision will have less difficulties reading.

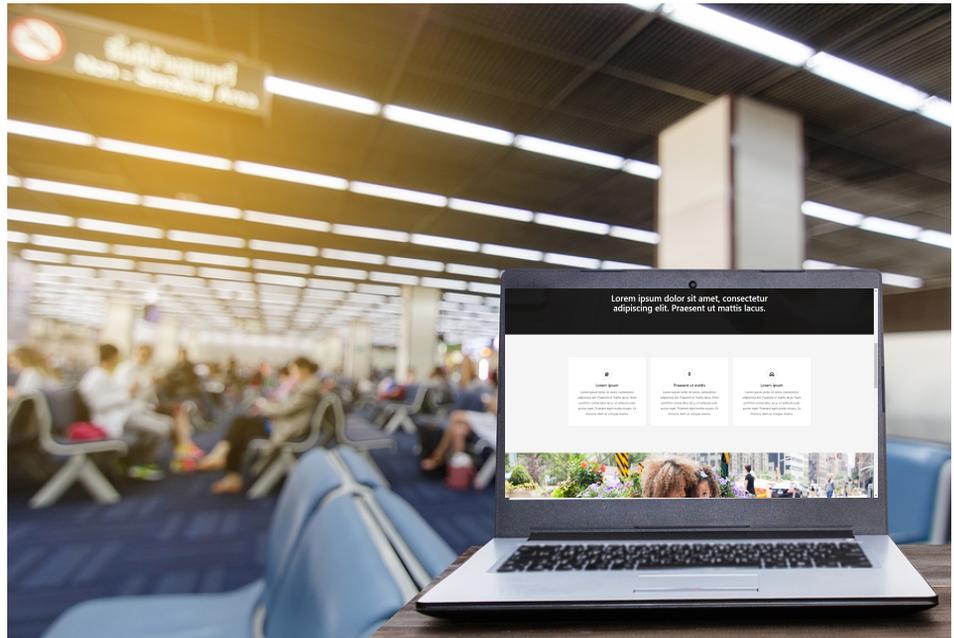


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AA and AAA contrast

And here's the user with perfect vision in an airport.

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AA and AAA contrast

And now the user with perfect vision is in an airport next to the huge windows overlooking the runway on a super-sunny day.

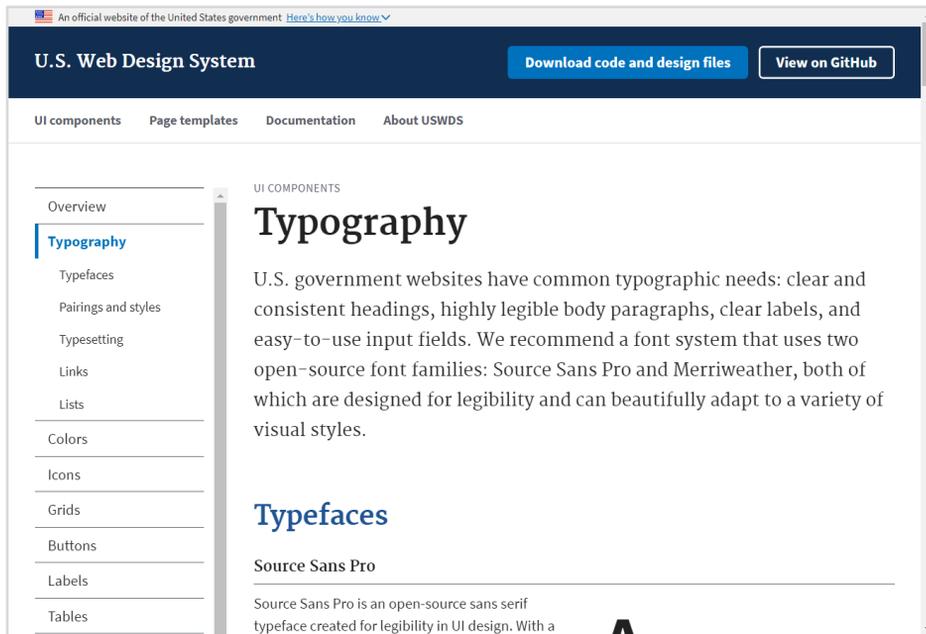


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Text size

Back to the our **U.S. Web Design System**.

You'll find text size and line spacing guidelines that are accessible.



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Text size and line spacing

But, in addition to being accessible, look how **readable** and **scannable** content is when it follows good typography.

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Content with sidebar

Manage Search

Search for patents

Two-day event to include discussions among USPTO leadership and experts from industry, academia, and the public

Jul 14, 2015

Inventors are encouraged to search the USPTO's patent database to see if a patent has already been filed or granted that is similar to your patent. Patents may be searched in the USPTO Patent Full-Text and Image Database (PatFT). The USPTO houses full text for patents issued from 1976 to the present and PDF images for all patents from 1790 to the present.

All sequences (SEQ ID NOs.) and tables for listed patents or publications are available for viewing, without downloading, by accessing the proper document detail page and then submitting a SEQ ID NO or a mega table ID number.

Global Patent Search Network (GPSN)

Global Patent Search Network (GPSN) enables users to search the full text of multiple international patent collections. The initial collection available will be Chinese patent documentation from the State Intellectual Property Office (SIPO) of the People's Republic of China. Users can search published applications, granted patents and utility models from 1985 to 2012. The data available includes full text Chinese patents, English machine translations and full document images. This collection will be periodically updated to include additional years of coverage.

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Consistent style tags

ALT tags

Meaningful links

Of course, these 508 practices help people who use screen readers.

`<h2>`

`<th>`

`<td>`

`<alt= >`

Yes! [Learn more at www...](#)

No! [Click here to learn more at www...](#)

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Consistent style tags

ALT tags

Meaningful links

But, they also improve your product's search engine game. SEO is magically improved with accessibility best practices.

`<h2>`

`<th>`

`<td>`

`<alt=>`

Yes! [Learn more at www...](#)

No! [Click here to learn more at www...](#)

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Tab and read orders

Naturally, your product's tab order and read order must be correct for your content to be accessible for people who rely on screen readers or can't use a mouse.



Address

Country *

United States

Address line 1 *

Address line 2 *

City *

State * Zip code *

Cancel Next

Tab and read orders

But, most **form filler-outers** prefer to keep their hands on the keyboard throughout the form, regardless of their visual and physical abilities.

A diagram of a form with four numbered callouts (1, 2, 3, 4) in green circles. Callout 1 points to the Country dropdown menu. Callout 2 points to the City text input field. Callout 3 points to the Next button. Callout 4 points to the Address line 1 text input field.

Address

Country *
United States

Address line 1 *

Address line 2 *

City *

State * Zip code *

Cancel Next

Put accessibility upstream in the development process.

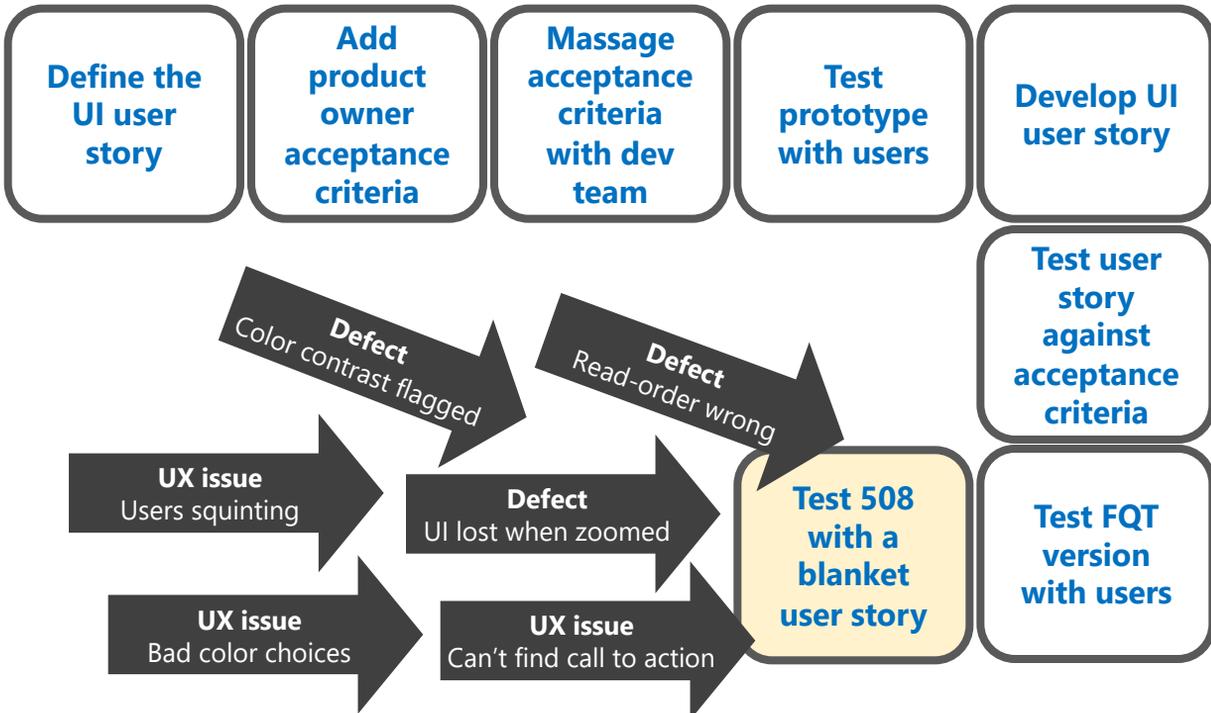
You know the user story must be accessible, by law, so **508 it first.**



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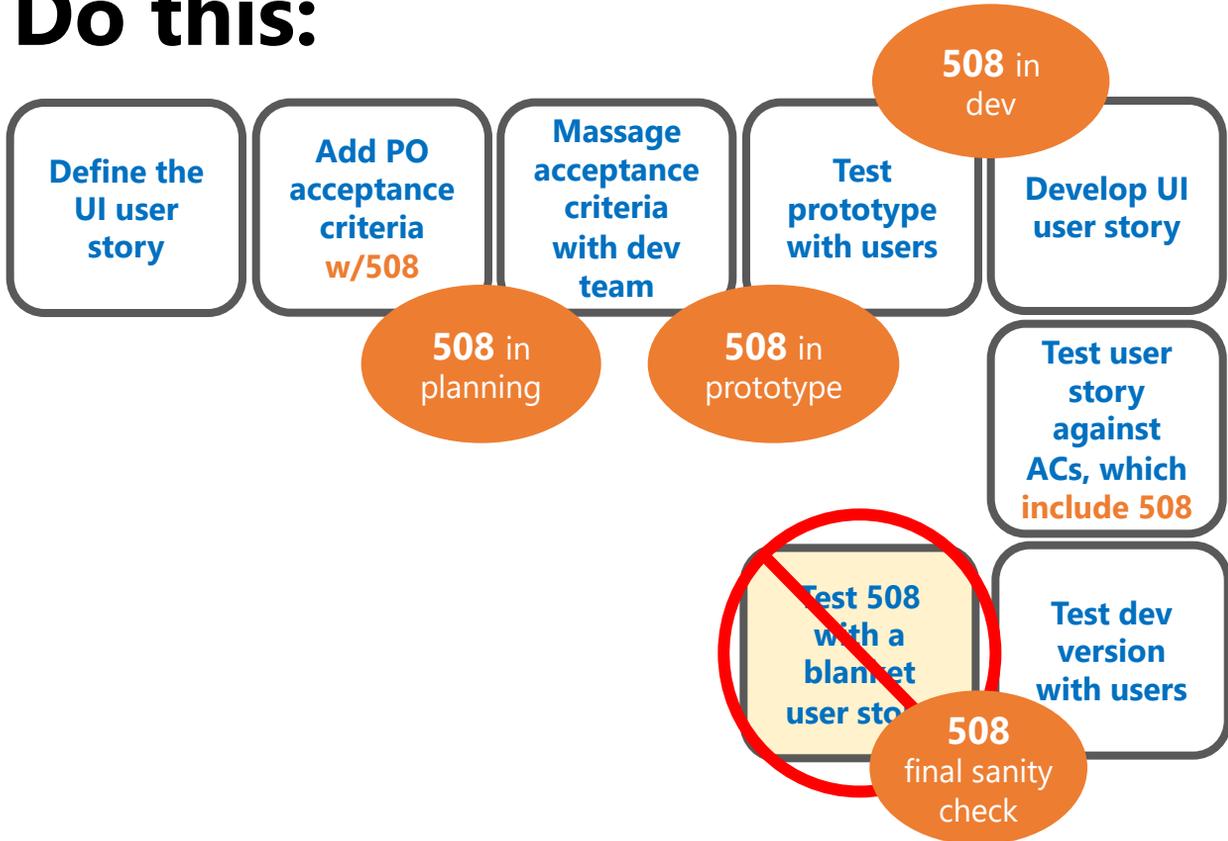
Develop and test 508 in parallel.

Instead of...



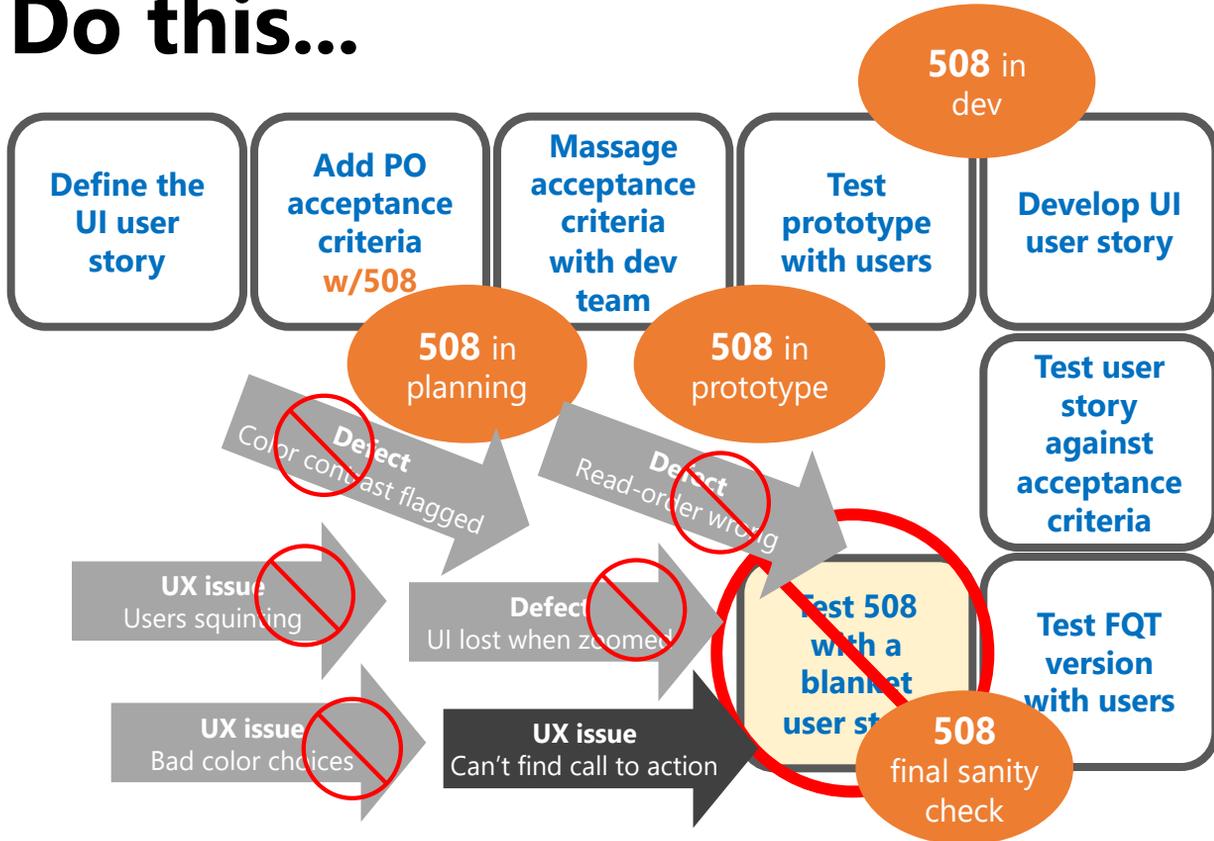
Develop and test 508 in parallel.

Do this:



Develop and test 508 in parallel.

Do this...



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