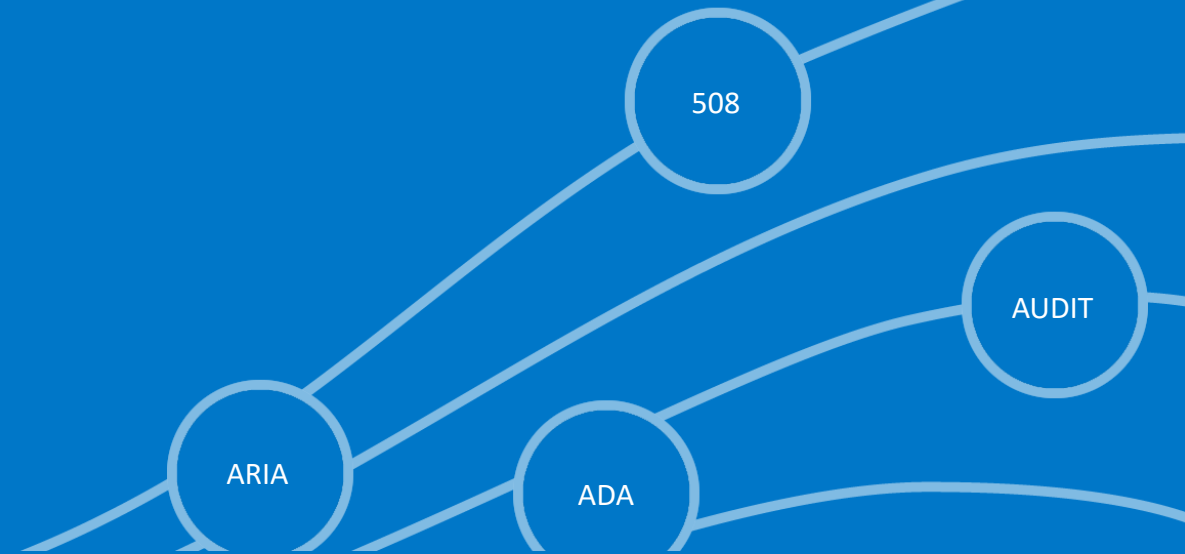




# Annotating Design Comps to Address Accessibility

WCAG



**John Foliot**

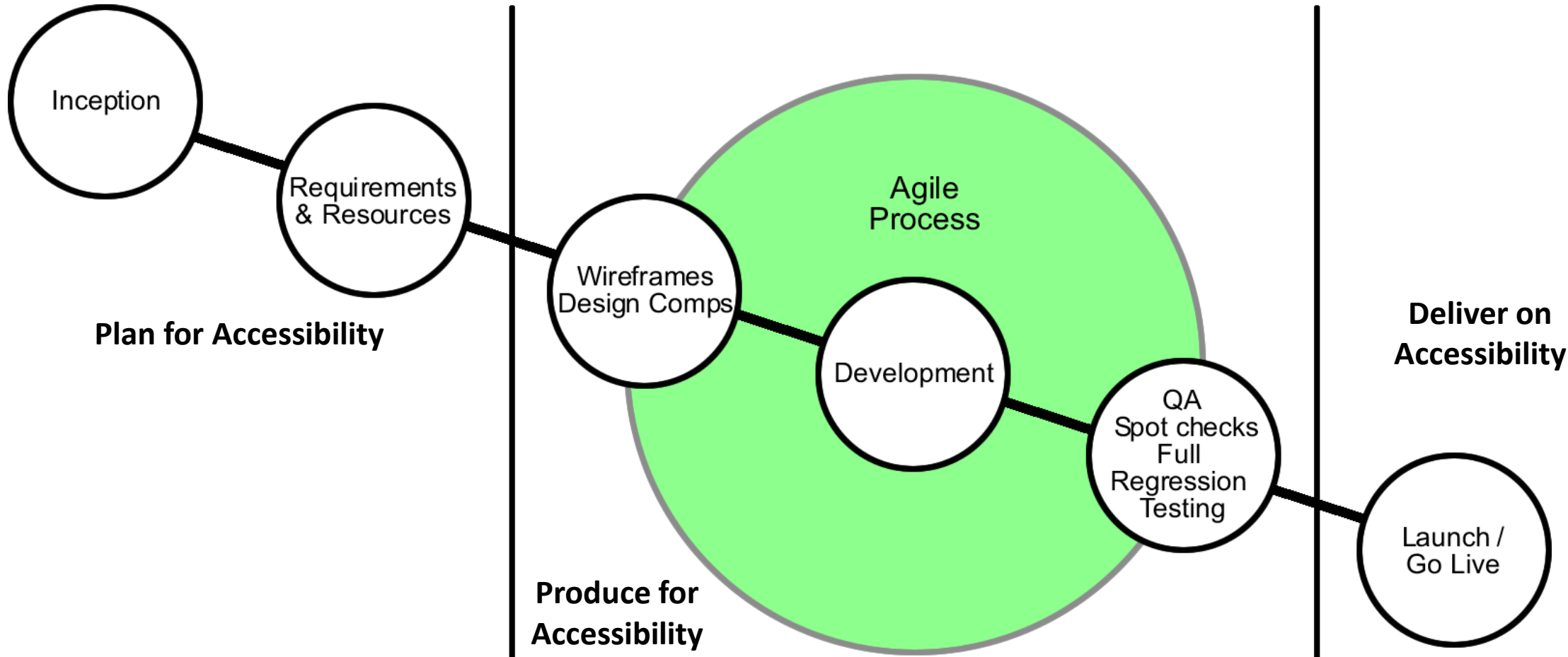
Principal Accessibility Strategist  
[john.foliot@deque.com](mailto:john.foliot@deque.com)





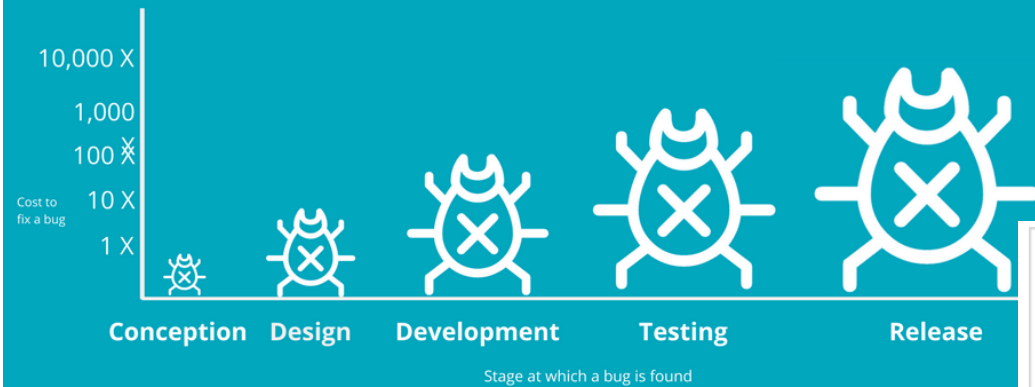
# The Current Problem

# The Current Problem



# The Current Problem

Resolving bugs early and often reduces associated costs



## DESIGN COST

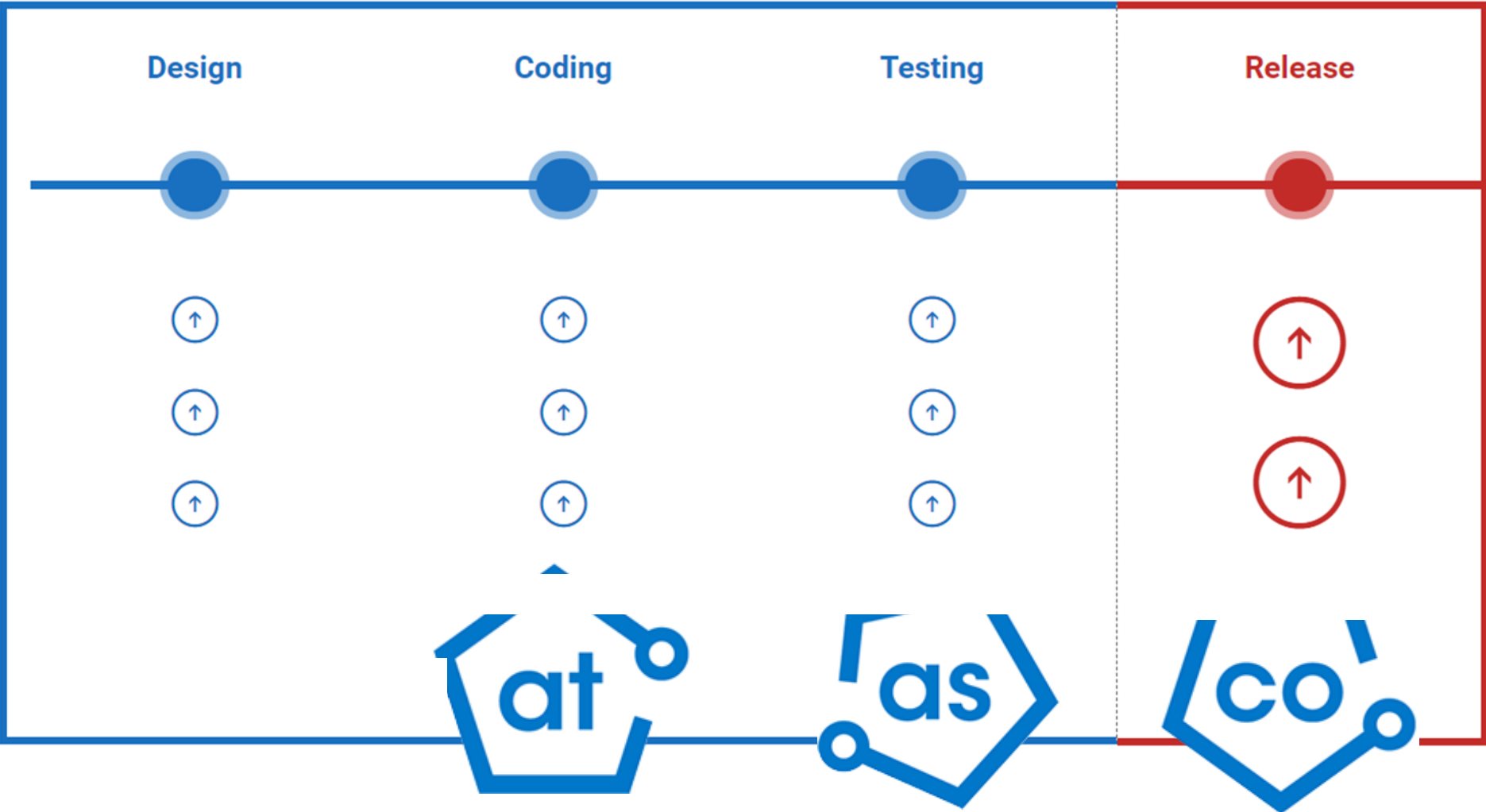
State of Design



Effort



# The Current Problem



## The Current Problem

*“Can you do a review  
of our screens  
before development?”*

# The Current Problem

## A: Yes

- Manual Process
- Time consuming
- Inconsistent delivery format
- Multiple Prototyping Tools
- Receive Comps in multiple formats





We Needed A Better Way

# A Way Forward

## Requirements:

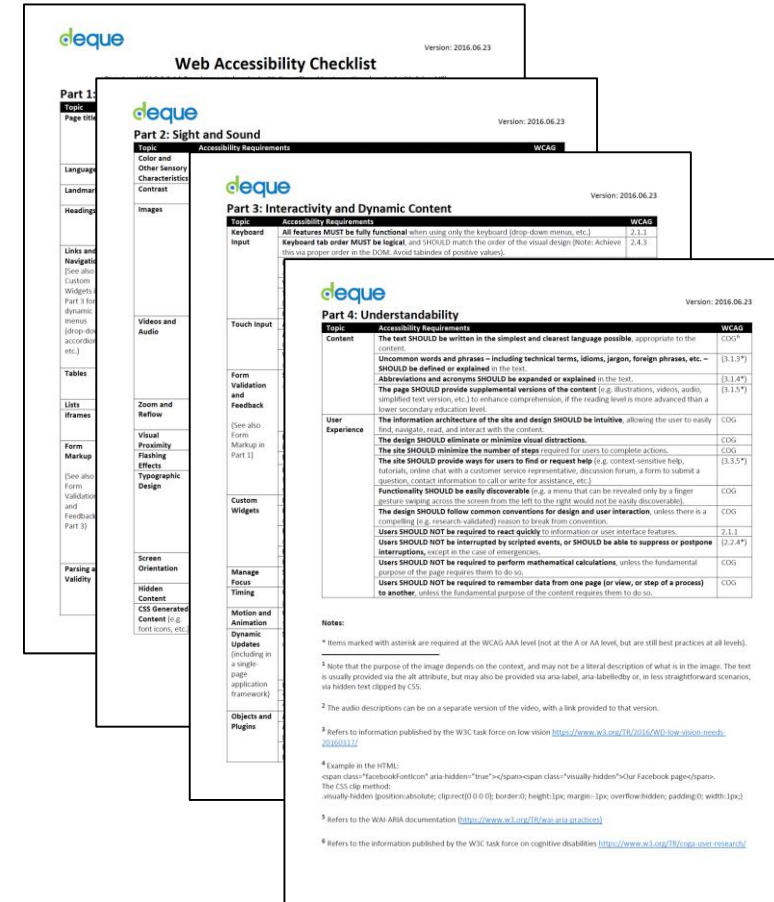
- A solution that provides the ability to convey accessible interaction requirements from designs to developers
- Can be used with multiple graphics formats (from PDF to on-line prototypes)
- Works on Windows and Mac platforms
- Is quick, lightweight, and concise
- Leverages existing methodology and other Deque resources (Deque University)

# A Way Forward

*Requirement: Leverages existing methodology and other Deque resources (Deque University)*

## The “Deque Way”

- Based on WCAG Guidelines
- Main topics:
  - ✓ Semantic structure
  - ✓ Sight and sound
  - ✓ Interactivity & dynamic content
  - ✓ Understandability
- Currently used internally by Deque Subject Matter Experts



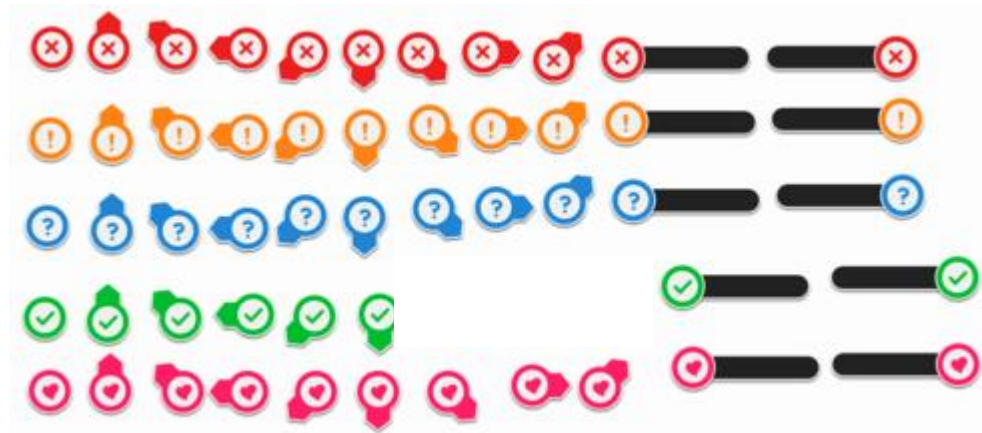
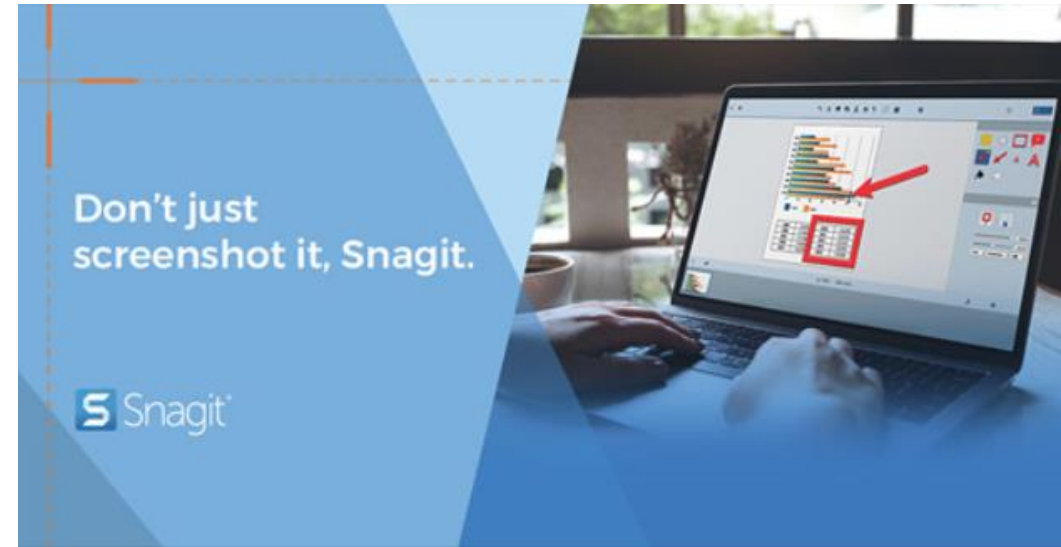
# A Way Forward

## Requirements:

- Works on Windows and Mac platforms
- Can be used with multiple graphics formats (from PDF to on-line prototypes)
- Is quick, lightweight, and concise

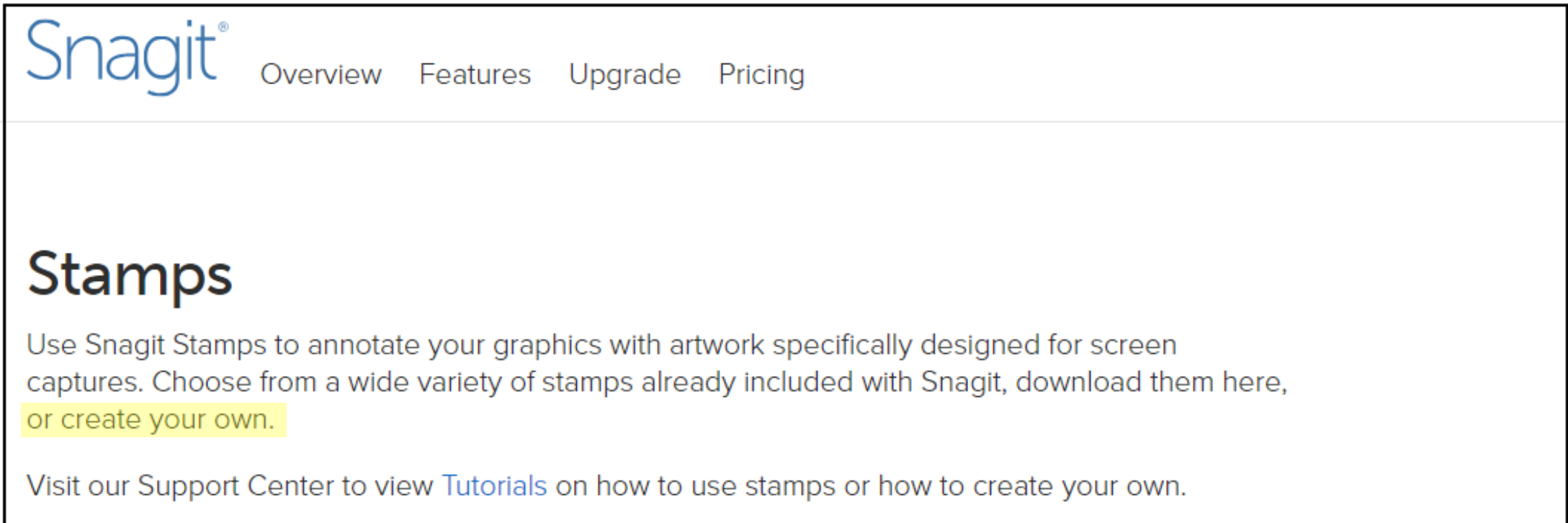


Bonus: Affordable



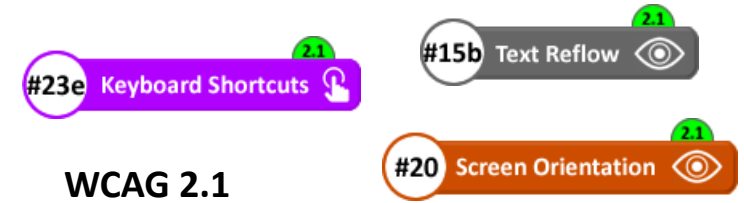
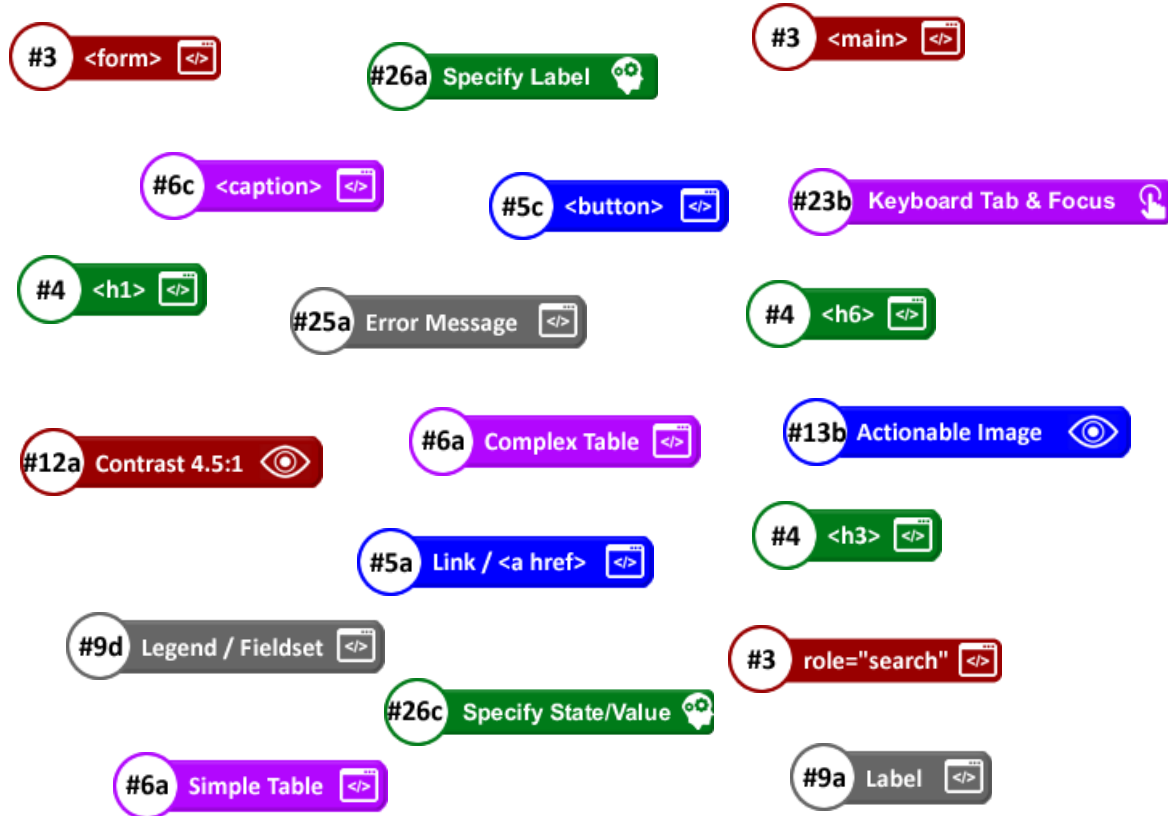
# A Way Forward

...or create your own.



The screenshot shows the top navigation bar of the Snagit website. The logo 'Snagit®' is on the left, followed by navigation links: 'Overview', 'Features', 'Upgrade', and 'Pricing'. Below the navigation bar is a horizontal line. The main content area features the heading 'Stamps' in a large, bold font. Underneath the heading is a paragraph of text: 'Use Snagit Stamps to annotate your graphics with artwork specifically designed for screen captures. Choose from a wide variety of stamps already included with Snagit, download them here, or create your own.' The phrase 'or create your own.' is highlighted in yellow. At the bottom of the section, there is a line of text: 'Visit our Support Center to view [Tutorials](#) on how to use stamps or how to create your own.'

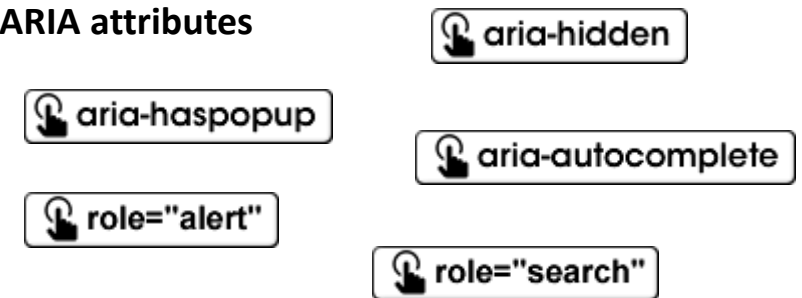
# A Way Forward



## Widget Types



## ARIA attributes



Design Comp Accessibility Annotations





# A Way Forward



| Key # | Topic      | Accessibility Requirements   | WCAG         |
|-------|------------|--|--------------|
| 1     | Page title | The page <b>MUST</b> have a <b>meaningful title</b> (e.g. <title>About us</title>), even when included via iframe. <ul style="list-style-type: none"> <li>Unique information <b>SHOULD</b> go first (e.g. "Products   Deque University").</li> <li>Result pages <b>SHOULD</b> describe the result (e.g. "Error on form" or "Search results loaded").</li> <li>Single-page applications and AJAX scripts <b>SHOULD</b> update the title when the URL changes or when the page content changes significantly.</li> </ul> | 2.4.2        |
| 2a    | Language   | The page <b>MUST</b> specify the language (<html lang="en">).  | 3.1.1        |
| 2b    |            | Changes in the language within the page <b>MUST</b> be specified (e.g. <span lang="es">Hola</span>).   | 3.1.2        |
| 3     | Landmarks  | Pages <b>SHOULD</b> have accurate, logical landmark structure (e.g. <header>, <nav>, <main>, <footer>), so that screen reader users can navigate by landmark, and all content <b>SHOULD</b> be inside a landmark.  | (2.4.6)      |
| 4     | Headings   | The page <b>MUST</b> have meaningful headings to label each major section, which <b>SHOULD</b> start with <h1> (at the beginning of the main content, or at the beginning of every section of aggregated content, or at the beginning of modal dialog).  | 2.4.6        |
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|       |            | Navigation features <b>MUST</b> be identified in a consistent way across pages.  | 3.2.4        |
| 5b    |            | A "skip navigation" or "skip to main content" <b>SHOULD</b> be provided as the first link in the design, to allow sighted keyboard users to quickly arrive at the main content (Note: the link can be invisible until the user tabs to it, but it <b>MUST NOT</b> remain invisible when it receives keyboard focus).   | 2.4.5        |
| 5c    |            | The link text <b>MUST</b> make sense in context, and should make sense when taken out of context (problematic phrases include: "click here," "more," "read more," etc.).   | 2.4.4, 2.4.9 |
| 5c    | Buttons    | The primary difference between a link and a button is that a link navigates the user to a new resource, taking them away from the current context. A button toggles something in the interface, like a video player; or triggers new content in that same context, like a popup menu using <code>aria-haspopup</code> .  |              |

## Reference Key

### Semantic Structure

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Demo



What's Next?

# What's Next?

- Create Stamps for Native Mobile annotation (in progress now)
- Investigate integration in tools such as:
  - Proto.io
  - Adobe XD CC 2018
  - Axure
  - Origami Studio
  - Webflow
  - Sketch
  - Framer
  - Vectr
  - Etc.
- Share the stamps! (Open Source) - <http://tinyurl.com/DequeStamps>
- Refine/Re-imagine tooling



Thank you!

Questions & wrap up

deque