

let's talk about
ACCESSIBILITY

ACCESSIBILITY

11 letters

A11Y

WHY WE'RE HERE

Coding for Accessibility

- **Screen Readers**
- **Mobility Restrictions**
- **Level Up**

but first

HI

JULIE TAYLOR

- **UX Developer**
- **20 years in the biz**
- **Freelance/Corp/Gov/SMBs**
- **Teacher & Community Leader**

coders make great
ALLIES

LET TALK ABOUT

- **Screen Readers**
- **Keyboard Navigation**
- **Level Up**

how do we

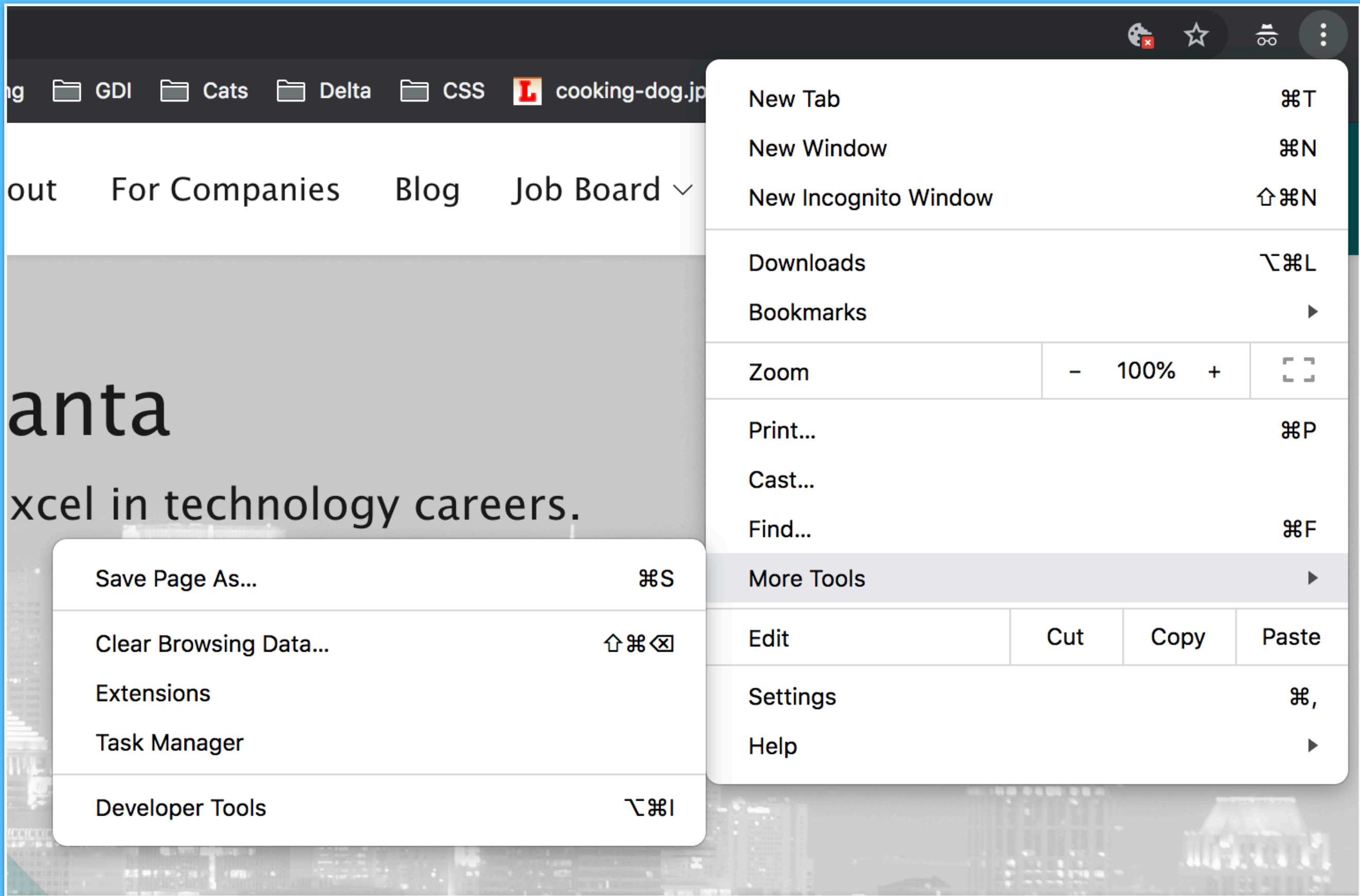
SOUND?

webaim.org/simulations/screenreader

DISCLAIMER

VoiceOver isn't great :/

webaim.org/blog/three-things-voiceover/



g GDI Cats Delta CSS L cooking-dog.jp

out For Companies Blog Job Board

anta

xcel in technology careers.

- Save Page As... ⌘S
- Clear Browsing Data... ⌘⌘X
- Extensions
- Task Manager
- Developer Tools ⌘⇧I

- New Tab ⌘T
- New Window ⌘N
- New Incognito Window ⇧⌘N
- Downloads ⌘⇧L
- Bookmarks ▶
- Zoom - 100% + [Fullscreen]
- Print... ⌘P
- Cast...
- Find... ⌘F
- More Tools ▶
- Edit Cut Copy Paste
- Settings ⌘,
- Help ▶

ON NO!



GOOD NEWS

```
▼ <div id="div_id_username" class="form-group">
  ▼ <div class="">
    <input id="id_username" class="emailinput form-control" type="email" name="username"
    placeholder="Email address" aria-label="Email address" autocomplete="username"
    autofocus="" required="">
  </div>
</div>
▼ <div id="div_id_password" class="form-group">
  ▼ <div class="">
    <input id="id_password" class="textinput textInput form-control" type="password"
    name="password" placeholder="Password" aria-label="Password" autocomplete="current-
    password" required="">
  </div>
</div>
```

FUN FACT

**ARIA = Accessible Rich Internet
Applications**

**WAI-ARIA = Web Accessibility Initiative –
Accessible Rich Internet
Applications**

WHAT'S NEXT?

- ✓ Screen Readers
 - Keyboard Navigation
 - **Leveling Up**

you are the
NAVIGATOR

webaim.org/techniques/keyboard/

LOOK OUT 🙄

- 1. Keep focus**
- 2. Logical paths**
- 3. Know your role**
- 4. Take Shortcuts**

KEEP FOCUS

Links and form elements need a visible focus indicator.

(avoid outline: 0 none;)

LOGICAL PATHS

Tab should move folks through the page elements in a logical path.

(tabindex is your friend)

KNOW YOUR ROLE

You can assign ARIA roles to application elements like nav, buttons, regions, etc.

“No ARIA is better than Bad ARIA”

[w3.org/TR/wai-aria-practices](https://www.w3.org/TR/wai-aria-practices)

TAKE SHORTCUTS

**Reducing the need to tab
through long navigation with
shortcuts.**

(avoid reserved shortcuts)

disabled-world.com/assistivedevices/computer/hotkeys.php

LAST CALL

- ✓ Screen Readers
- ✓ Keyboard Navigation
- Leveling Up

ASK AXE

The image shows a web browser window displaying the 15Five sign-in page. The page has a white background with an orange header containing the '15Five' logo. Below the logo is the text 'Sign in'. There are two input fields: 'Email address' and 'Password'. Below the password field is a checkbox for 'Remember me' and a link for 'Forgot password?'. At the bottom, there is an orange 'Sign in' button and a blue 'Sign in with Google' button with the Google logo.

Overlaid on the right side of the browser window is the axe accessibility tool interface. The top bar shows 'axe' and 'All issues found 9'. Below this is a list of issues:

Issue	Count
autocomplete attribute must be used correctly	1
Elements must have sufficient color contrast	5
<html> element must have a lang attribute	1

The selected issue, 'autocomplete attribute must be used correctly', is highlighted in purple. The detailed view for this issue shows:

- Issue description:** Ensure the autocomplete attribute is correct and suitable for the form field. Impact: serious. [Learn more](#)
- Element location:** #id_username
- Element source:**

```
<input type="email" name="username" placeholder="Email address" aria-label="Email address" autocomplete="username" autofocus="" class="emailinput">
```
- Issue tags:** category: forms wcag21aa wcag135

EXTRA CREDIT

To Watch:

- [Empathy Driven Development By Marcy Sutton](#)
- [How A Screen Reader User Surfs The Web](#)

To Read:

- [Three things you should know before using VoiceOver for testing](#)
- [WebAIM's Web Content Accessibility Guidelines Checklist](#)

WEB INSPECTOR

- ✓ Screen Readers
- ✓ Keyboard Navigation
- ✓ Leveling Up

coders make great
ALLIES