

**AMBITIONS
FOR ALL!**

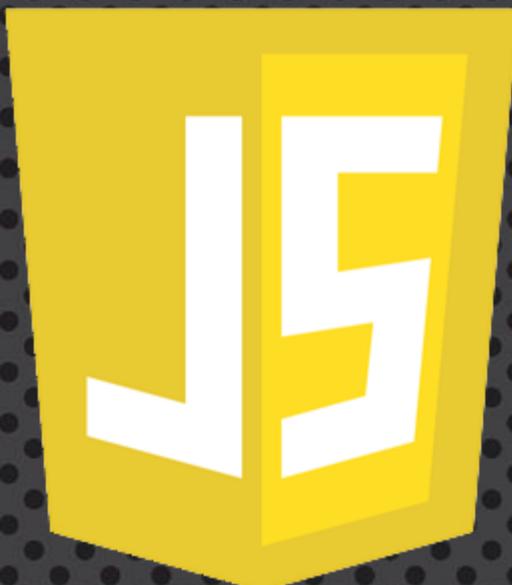
@MELANIERSUMNER

HI THERE!!

@MELANIERSUMNER

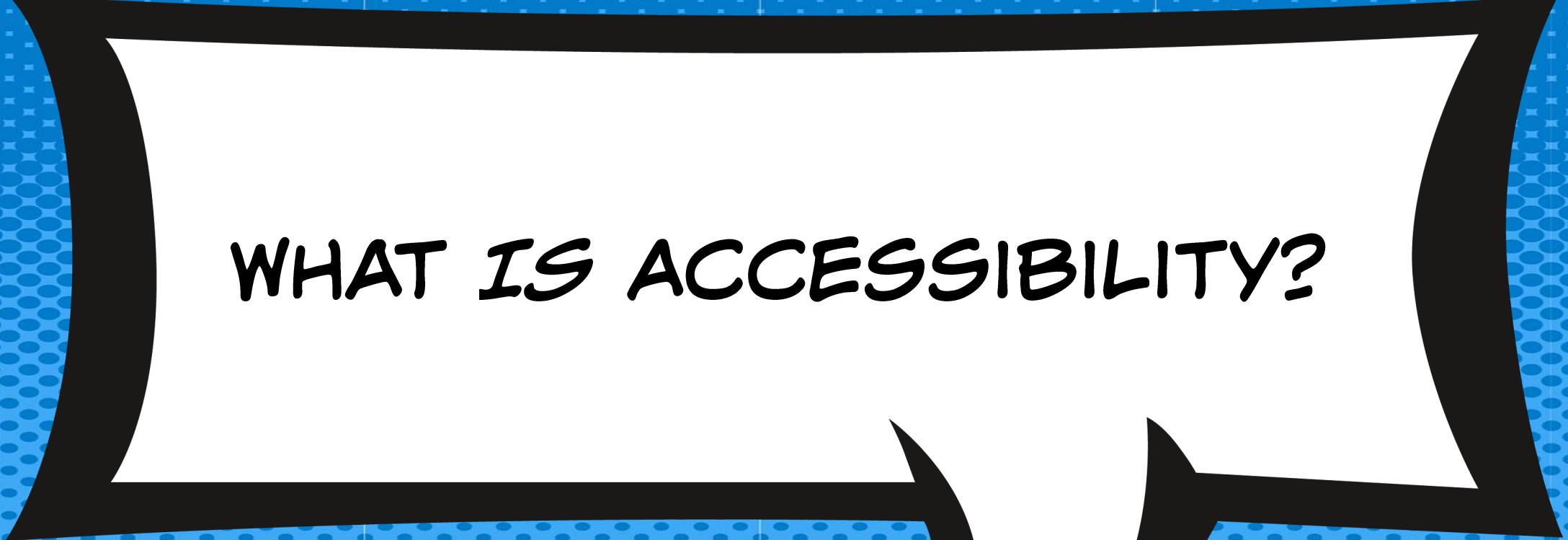


WEB STANDARDS



WAI-ARIA

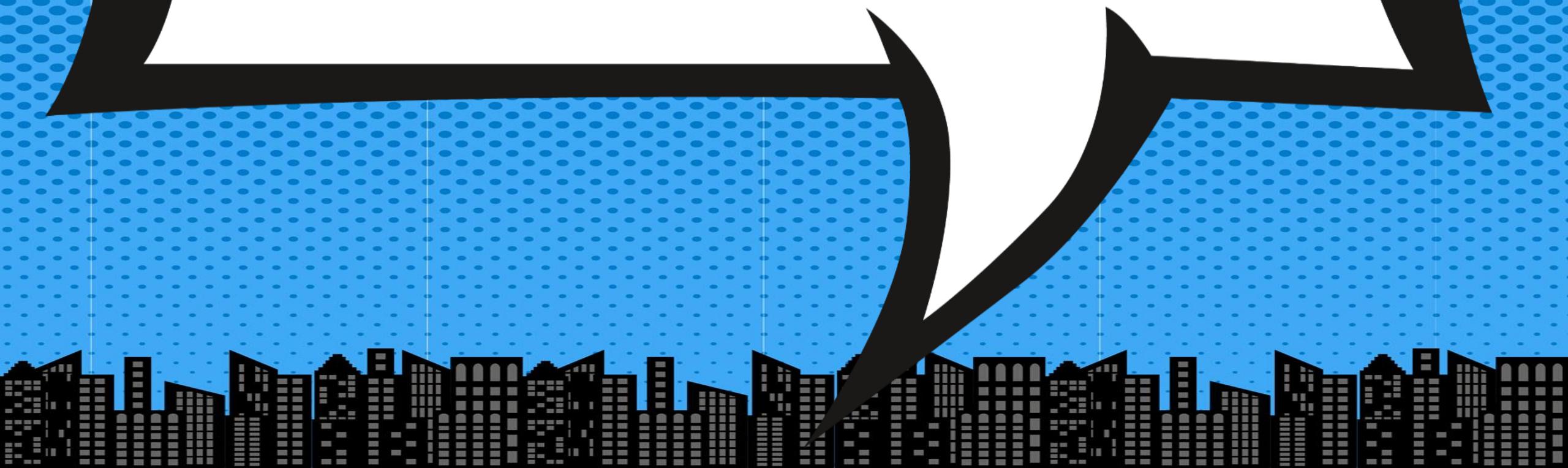
**QUICK
TO THE BATMOBILE!!**



WHAT IS ACCESSIBILITY?



WEB CONTENT ACCESSIBILITY GUIDELINES



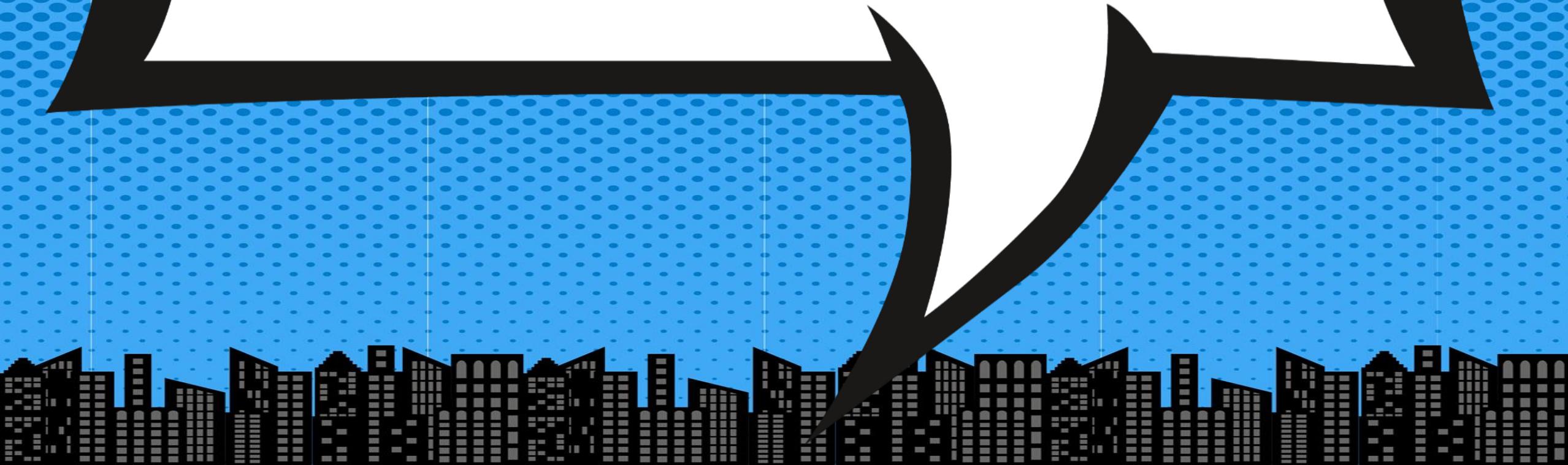
WCAG 2.0

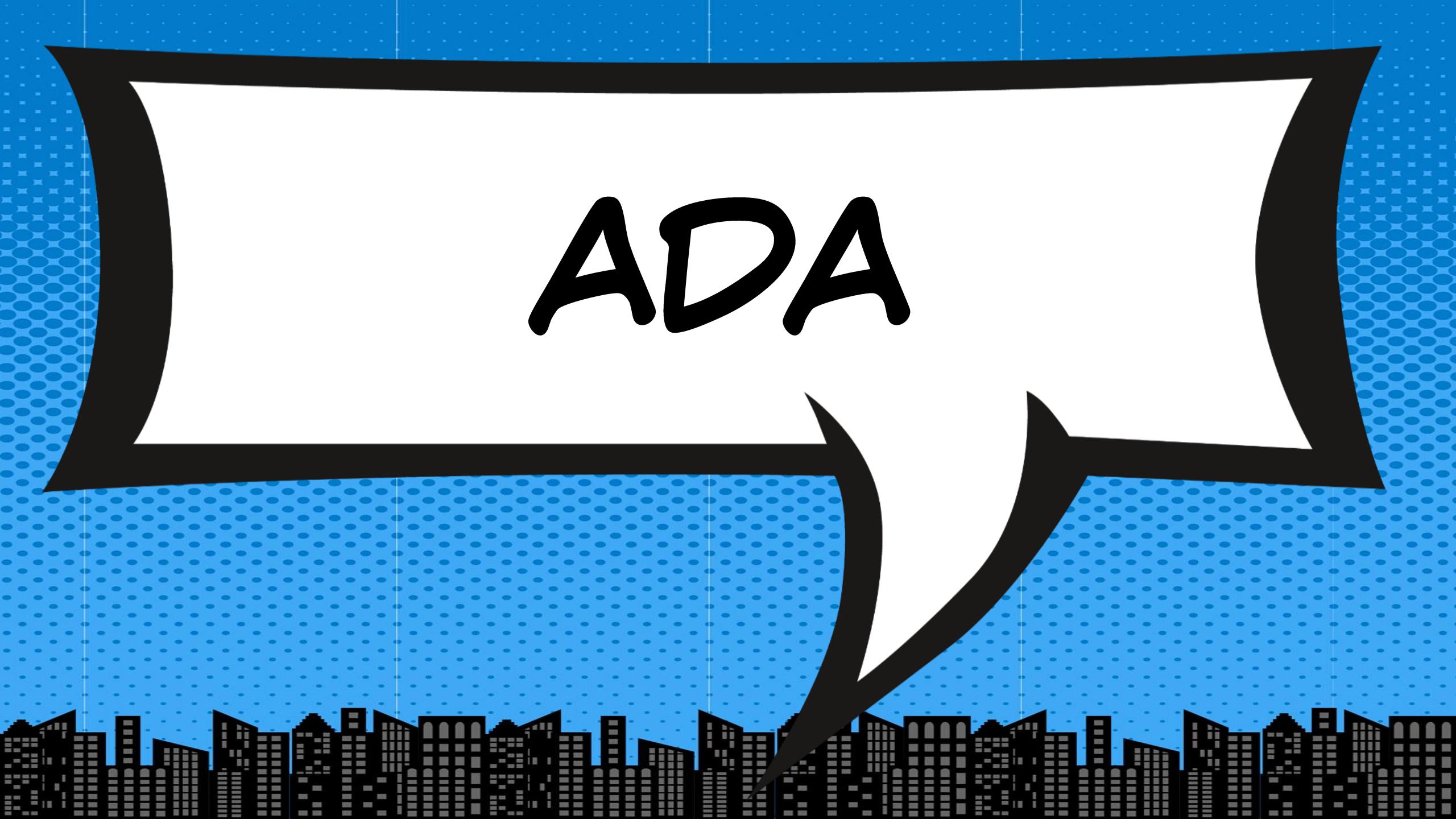
A

AA

AAA

AMERICANS WITH DISABILITIES ACT





ADA



#A11Y

**THE FUTURE
IS NOW!**

SEE COLOR!!

NORMAL VISION



DEUTAN



PROTAN



(Image colors are simulated. Red-green color deficiency varies by individual.)



HEAR!!



UNC School of Medicine



AUTO-GENERATE TEXT



IMAGE DESCRIPTIONS

The screenshot shows a white rectangular box with a black border, set against a blue background with a white wavy pattern. Inside the box, the word "include • ai" is displayed in a large, bold, black sans-serif font, enclosed within a blue rectangular frame. Below this, the text "Making images on the web accessible." is written in a smaller, bold, black sans-serif font. At the bottom of the box, there is a white input field with the placeholder "Enter your email" and a blue "Get Started" button. Below the input field, there are three social media icons: a pencil icon, a Facebook "f" icon, and a Twitter bird icon.

include • ai

Making images on the web accessible.

Enter your email

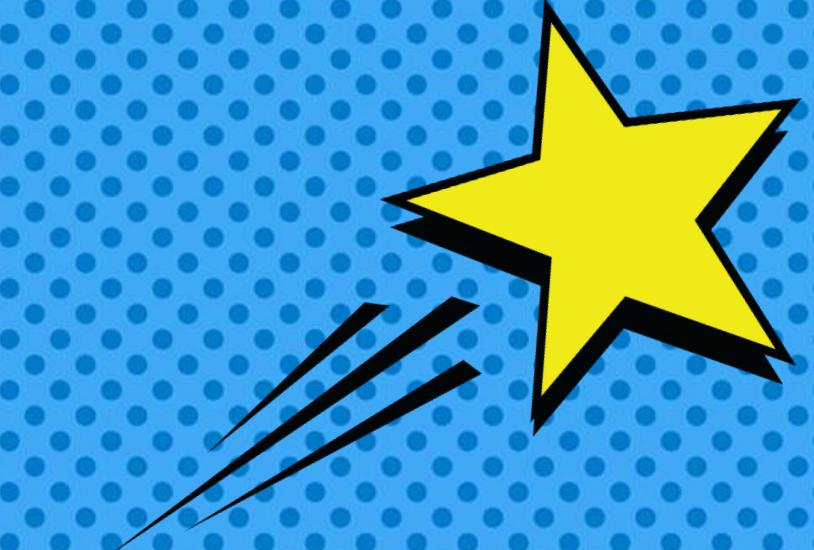
Get Started

f

Twitter



WHAT WILL YOU CREATE?



EMBER-ATTY PROJECT



**ACCESSIBILITY
IS EMOTIONAL**

OUR USERS...

I NEED TO CHECK MY
BANK BALANCE AND
PAY MY BILLS!

OUR USERS....

I WANTED TO BUY
A PRESENT FOR
MY NEPHEW!

OUR USERS...

I WANTED TO
SUBSCRIBE TO THAT
REALLY AWESOME
NEW SERVICE!

OUR USERS...

WHY DON'T THEY CARE?



DEVELOPERS...

MY TEAM LEAD
SAID TO SHIP IT
NOW, AND WE'LL
FIX IT LATER!

MY PROJECT
MANAGER WILL BE
UPSET IF I DON'T
FINISH THIS NOW!

DEVELOPERS...

I HAVE TO
PROVE THAT I'M A
NINJAROCKSTARUNICORN!

CRASH

**ACCESSIBILITY
IS HARD!**

HARD PROBLEMS!

#1 ROUTE TRANSITIONS

#2 MODALS

#3 ARIA-* SUPPORT

#4 CLICK ALL THE THINGS!

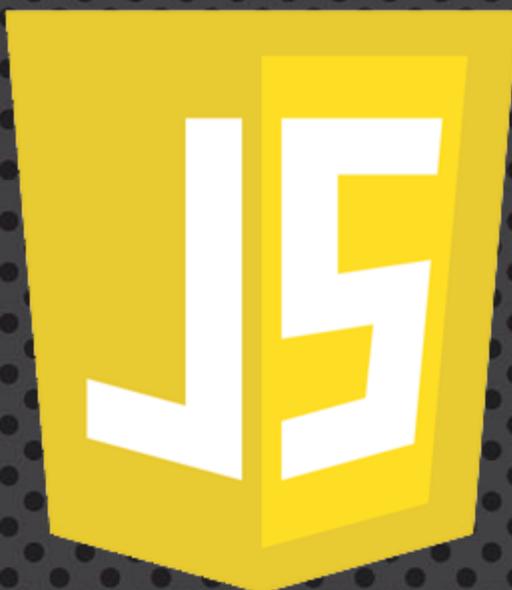
#5 PASSWORDS



BOOM!

A SUPERHERO
SAVES THE DAY!

WEB STANDARDS



THE "EASY" WINS!!

#1 USE HTML5

#2 LINK VS. BUTTON

#3 KEYBOARD NAVIGATION

#4 COLOR CONTRAST

#5 IMAGE ALT TEXT

ALT TEXT TLDR

```

```



ALT TEXT TLDR

```

```



MEANWHILE...

"TABS!"

"SPACES!"

POW!

DEVELOPERS...

```
<div role="heading" aria-level="1">  
  Page Title  
</div>
```

"THIS IS FINE."

DEVELOPERS...

OKAY,
BUT...

```
<h1>Page Title</h1>
```

DEVELOPERS...

```
<div role="heading" aria-level="1">  
    Page Title  
</div>
```

IS IT
THO?

```
<h1>Page Title</h1>
```

POW!



BOOM

"THERE'S AN
ADDON
FOR THAT!"

THESE ALREADY EXIST

EMBER-A11Y

EMBER-A11Y-TESTING

EMBER-A11Y-LANDMARKS

A11Y-ANNOUNCER

EMBER-CLI-TEMPLATE-LINT

EMBER-COMPONENT-ATTRIBUTES

KEEP IN MIND...

- #1 KEYBOARD NAVIGATION**
- #2 FOCUS MANAGEMENT**
- #3 ARIA-* SUPPORT**
- #4 RENDER SEMANTIC HTML**
- #5 REMEMBER!**

YOU'RE NOT ALONE!

**BE
MAGANIMOUS**



MAGNANIMOUSLY SOLVE

#1 ROUTE TRANSITIONS

#2 MODALS

#3 ARIA-* SUPPORT

#4 CLICK ALL THE THINGS!

#5 PASSWORDS

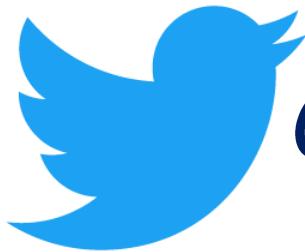
GET INVOLVED



THANK YOU!!



@MELSUMNER



@MELANIERSUMNER

