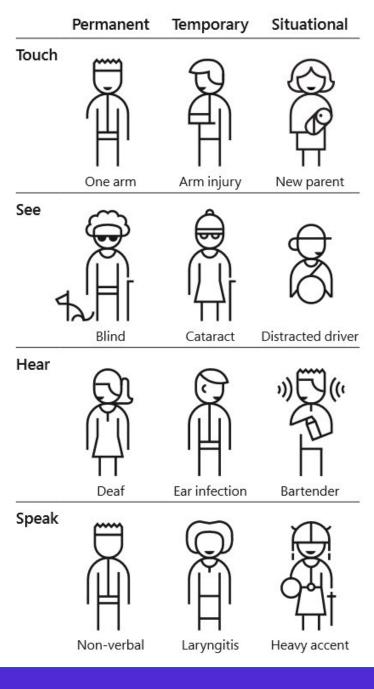
Accessibility + .NET MAUI

Rachel Kang (she/her)

Software Engineer, Xamarin.Forms --> .NET MAUI

- 🥑 @therachelkang
- @rachelkang
- in https://www.linkedin.com/in/rachel-j-kang

Over 1 billion people currently experience some form of disability



The Persona Spectrum

We use the Persona Spectrum to understand related mismatches and motivations across a spectrum of permanent, temporary, and situational scenarios. It's a quick tool to help foster empathy and to show how a solution scales to a broader audience.

https://www.microsoft.com/design

The Case for Accessibility

- Over 1 billion people currently experience some form of disability
- Designing for accessibility is not limited to people experiencing disabilities – the best solutions benefit everyone
 - Closed captioning on videos
 - Raise hand feature on Microsoft Teams
 - Dark mode on devices
 - Dropped curbs on sidewalks and driveways

The Case for Accessibility

- Over 1 billion people currently experience some form of disability
- Designing for accessibility is not limited to people experiencing disabilities – the best solutions benefit everyone
 - Closed captioning on videos
 - Raise hand feature on Microsoft Teams
 - Dark mode on devices
 - Dropped curbs on sidewalks and driveways
- Huge business opportunity hundreds of billions

The Case for Accessibility

- Over 1 billion people currently experience some form of disability
- Designing for accessibility is not limited to people experiencing disabilities – the best solutions benefit everyone
 - Closed captioning on videos
 - Raise hand feature on Microsoft Teams
 - Dark mode on devices
 - Dropped curbs on sidewalks and driveways
- Huge business opportunity hundreds of billions
- Growing number of legal consequences

Approaching Accessible Apps

- Web Content Accessibility Guidelines (WCAG)
 - Global accessibility standard and legal benchmark for both web and mobile
 - 4 principles

Perceivable

Information and user interface components must be presentable to users in ways they can perceive.

- Text alternatives
- Time-based media
- Adaptable
- Distinguishable

Operable

User interface components and navigation must be operable.

- Keyboard accessible
- Time limits
- Seizures and physical reactions
- Navigable
- Input modalities

Understandable

Information and the operation of user interface must be understandable.

- Readable
- Predictable
- Input assistance

Robust

Content must be robust enough that it can be interpreted by ... assistive technologies.

Compatible

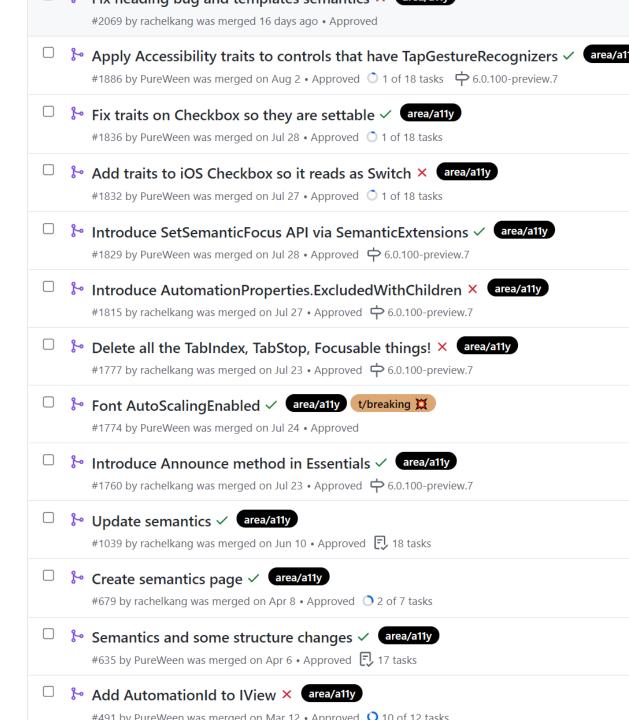
https://www.w3.org/WAI/standards-guidelines/wcag/

Approaching Accessible Apps

- **Empathy** is the name of the game
- Explore accessibility settings and features
 - Screen readers
 - TalkBack on Android
 - VoiceOver on iOS
 - Narrator on UWP
- Research accessibility models and APIs
- Test and leverage available tools/resources



With .NET MAUI, you'll be able to create accessible apps more seamlessly than ever before





Demo time!

Accessibility blog post series

- https://devblogs.microsoft.com/xamarin/the-journey-to-accessible-apps
- https://devblogs.microsoft.com/xamarin/the-journey-to-accessible-apps-screen-readers
- https://devblogs.microsoft.com/xamarin/the-journey-to-accessible-apps-making-visual-text-accessible

The Journey to Accessible Apps



April 14th, 2021

No matter what stage of the app development process you're at, and no matter your level of familiarity with developing inclusive apps, it is always the right time to make your apps more inclusive. Get started on your journey to developing inclusive apps today.

Thank you!

- @therachelkang
- @rachelkang
- https://aka.ms/discord-maui > #maui-accessibility

