Getting Started with Web Accessibility

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Introduction

• Frontend Developer
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What is accessibility?
Accessibility involves designing and developing websites, apps, tools, and technologies so that people with disabilities can use them.
Web accessibility encompasses all disabilities that affect access to the web including:

• Auditory
• Visual
• Cognitive
• Neurological
• Physical
• Speech
Why is accessibility important?
Web Content Accessibility Guidelines (WCAG).
WCAG Versions

• WCAG 2.0
• WCAG 2.1
P.O.U.R Principles

- Perceivable
- Operable
- Understandable
- Robust
Perceivable

- Text alt
- Time based media
- Adaptive Contents
- Distinguishable Contents
Operable

- Keyboard accessible
- Enough time
- Avoid seizures & physical reactions
- Navigable contents
- Input modalities
Understandable

• Readable contents
• Predictable contents
• Input assistance
Robust

- Compatible contents
- Accessible rich internet applications (WAI-ARIA)
Tools/Extensions to Check for Accessibility

• WAVE Web Accessibility Evaluation Tool
• Google Lighthouse
• Axe Browser Extension
• ChromeVox
• Color Contrast Analyzer
Small Steps to Getting Started

• Learn! Learn! Learn!
• Apply things learnt to your new projects
• Fix your mistakes
Tips

• No one expects you to know everything about everything.

• When new to accessibility it can get complicated very fast, so try and focus on one aspect at a time to avoid getting overwhelmed.

• Accessibility is not a “nice-to-have” but a “must-have”.
Resources

• W3C-WAI site

• Introduction to Web Accessibility on edX

• Accessibility Checklist
Thanks for Listening!
Do you have any questions? @AnisatAkinbani