

Accessibility: The Why & How

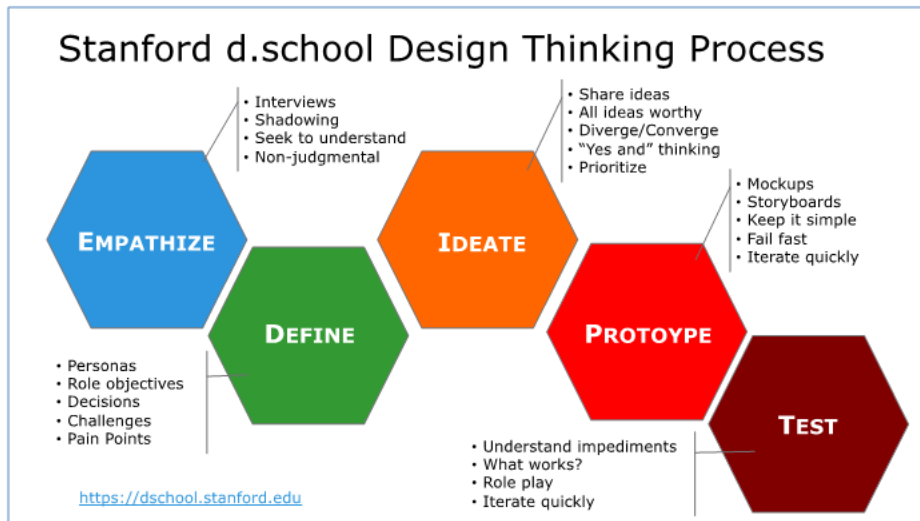
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The Why

Design thinking begins with EMPATHY. What is it like to deal with a disability?



Meet Sady https://youtu.be/fRJE5VRun5I?si=i1hcEIsfFRdM_Csu

Meet some others <https://youtu.be/fRJE5VRun5I?si=qCWkfSGx2zYByT8q>

“I don’t need easy. I just need possible.” – Bethany Hamilton

Experience Visual Impairment

Software

- Funkify.org – Simulates a variety of visual impairments
Available as a Chrome add in. Free or \$4.99/mo for additional features.

Screen Reader simulations

- Jaws screenreader demo https://youtu.be/q_ATY9gimOM?si=Zu79VesceKwzHcOx
- Free Screen Reader Simulator – NVDA nvaccess.org
 - Turn on: CTRL+ALT+N
 - Turn off: Insert Q
- In Windows, use Narrator
- Turn on/off: Press Windows+CTRL+N

How we help

- Design to accommodate for screen readers –
 - Identify headings
 - Use alt tags on your images – make sure they make sense
 - Check and correct the focus order in elearning
 - Check contrast of fonts against background
- Explain scenes in video with audio descriptions
 - Explain the visuals and settings on the screen as an alternate sound track
- Add tools like Immersive Reader

Experience Auditory Impairment

Demonstration

https://youtu.be/PbBZjT7nuoA?si=MDRsHaogzOk3_PIK

How We Help

- Transcripts
 - Closed captions
 - Go through your course without sound. Does it work?
-

Experience Low Literacy

Demonstration

<https://youtu.be/CV5M0sMrwQM?si=yKTODIfVZCwq4akV>

How We Help

- Check the reading levels of your materials
 - In Word 365: On the Home Ribbon, select Editor, then click Document Insights
- Know the reading levels of your audience. Do you have workers who may struggle with reading?
- Teach about Microsoft Immersive Reader
 - Available in Word, Outlook, OneNote, Teams
 - <https://learn.microsoft.com/en-us/training/educator-center/product-guides/immersive-reader/>