CSE 340

Winter Quarter 2020

1/27/2020

Lecturers: Dr. Jennifer Mankoff, Venkatesh Potluri, Annie [LastName]
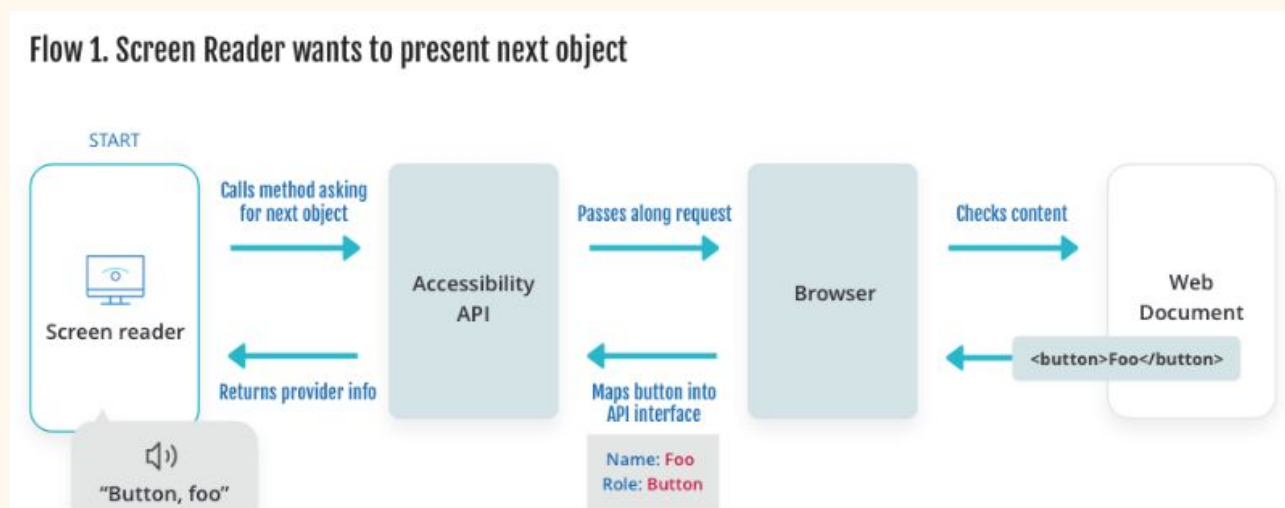**Note-taker email: jial8@uw.edu**

Link to Google Docs:
https://docs.google.com/document/d/1iiWqLRaLFNm6yBqnYMQ9JGPLfKYAAlySLPBciLcEcmE/edit?usp=sharing

Week 4 Lecture 1
Screen Reader Accessibility in Android

Screen Readers (Guest Speaker: Venkatesh)

- TalkBack → screen reader on android (touchscreen)
- Building for screen readers
  - Gets underlying info about controls from operating systems

Flow 1. Screen Reader wants to present next object

- Google has an Accessibility Scanner for Android Apps on the store: *App Health Indicator* = checks low contrast levels, bad image labels, image sizes, invalid URL links, overlapping clickable items… etc

Scanner Demo, HW4 (Guest Speaker: Annie)

- Tap highlighted buttons on the screen after using accessibility scanner app to see more information about accessibility violation
- Turn on TalkBack to hear what each element says
  - 2 fingers to turn off
- Good at noticing big problems, but still need developer eyes to see all problems
  - *Scanner doesn't test for order of swiping!!!*
  - Cannot fully scan bank apps → security reasons…
  - Screen Reader doesn't catch review stars, can't leave reviews?
  - Some apps are entirely not interactable at all (game, drawing apps…etc) using Screen Reader