Alpha Presentation
Improve High Contrast Mode for Firefox

The Capstone Experience

Team Mozilla
Noah Pesta
Shaoting Huang
Danielle Lamoureux
Avi Pasula
Jack Ying

Department of Computer Science and Engineering
Michigan State University
Fall 2021
Project Overview

- High contrast mode (HCM) makes Firefox’s UI easier to read
- HCM helps users with visual impairments get the full Firefox experience
- While HCM is an essential feature for making the Firefox more accessible, there is still more that can be done to make HCM even better
- Each team member is assigned various bugs to work on in order to improve HCM
System Architecture
Screen Mockup: Improve icon hover visibility in HCM
Screen Mockup: Adding HCM tab buttons
Screen Mockup: Add HCM hover color to buttons
Screen Mockup: Making the Buttons of the Bad SSL Page to Have Correct Border in White HCM
What’s left to do?

• High-contrast theme hides toggle to enable a disabled add-on
• Part of the about:support page is not visible with high contrast enabled on Ubuntu
• Sub-sections of "Enhanced Tracking" aren't readable with HCM enabled
• Certificate error page action buttons inner border do not match Figma spec
Questions?