

MICHIGAN STATE

UNIVERSITY

Alpha Presentation

Improve High Contrast Mode for Firefox

The Capstone Experience

Team Mozilla

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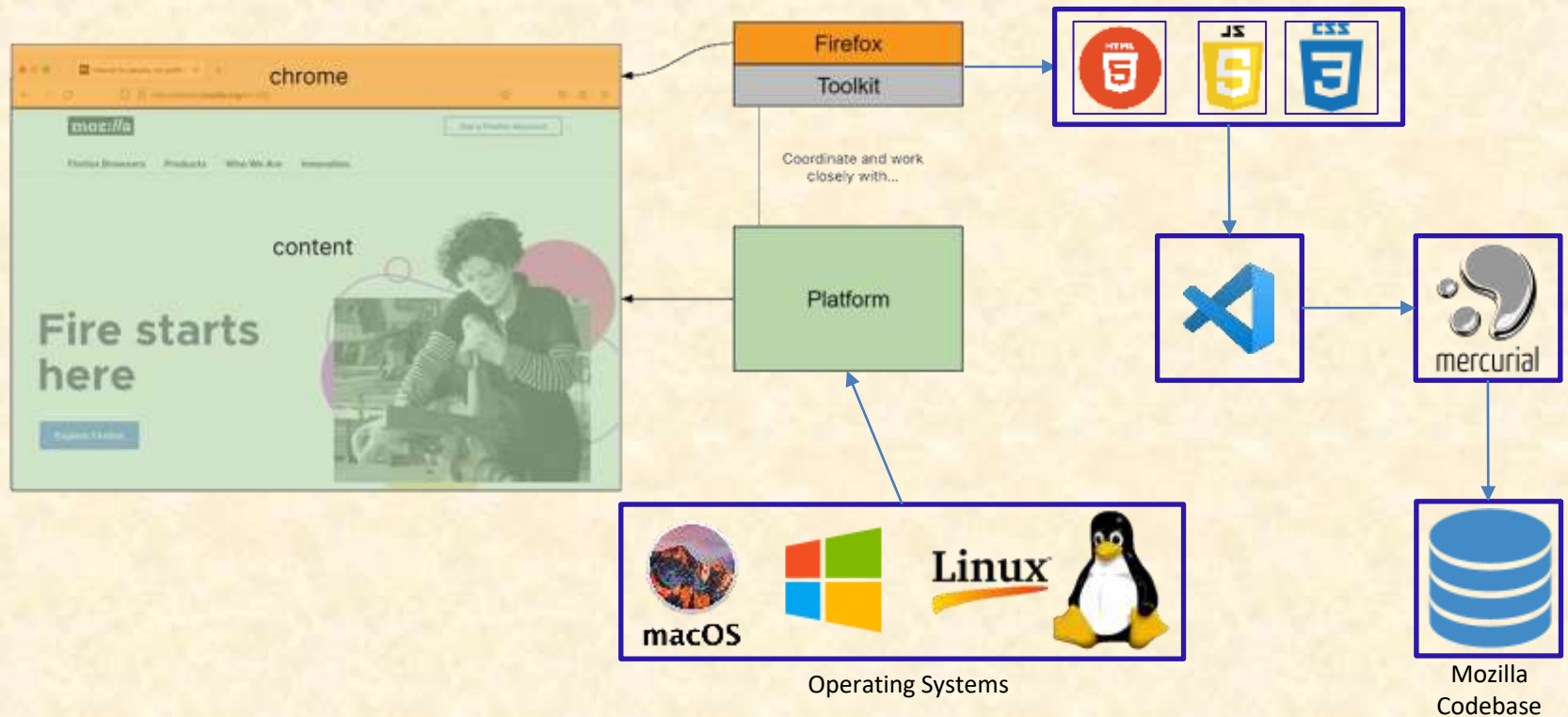
*From Students...
...to Professionals*

Project Overview

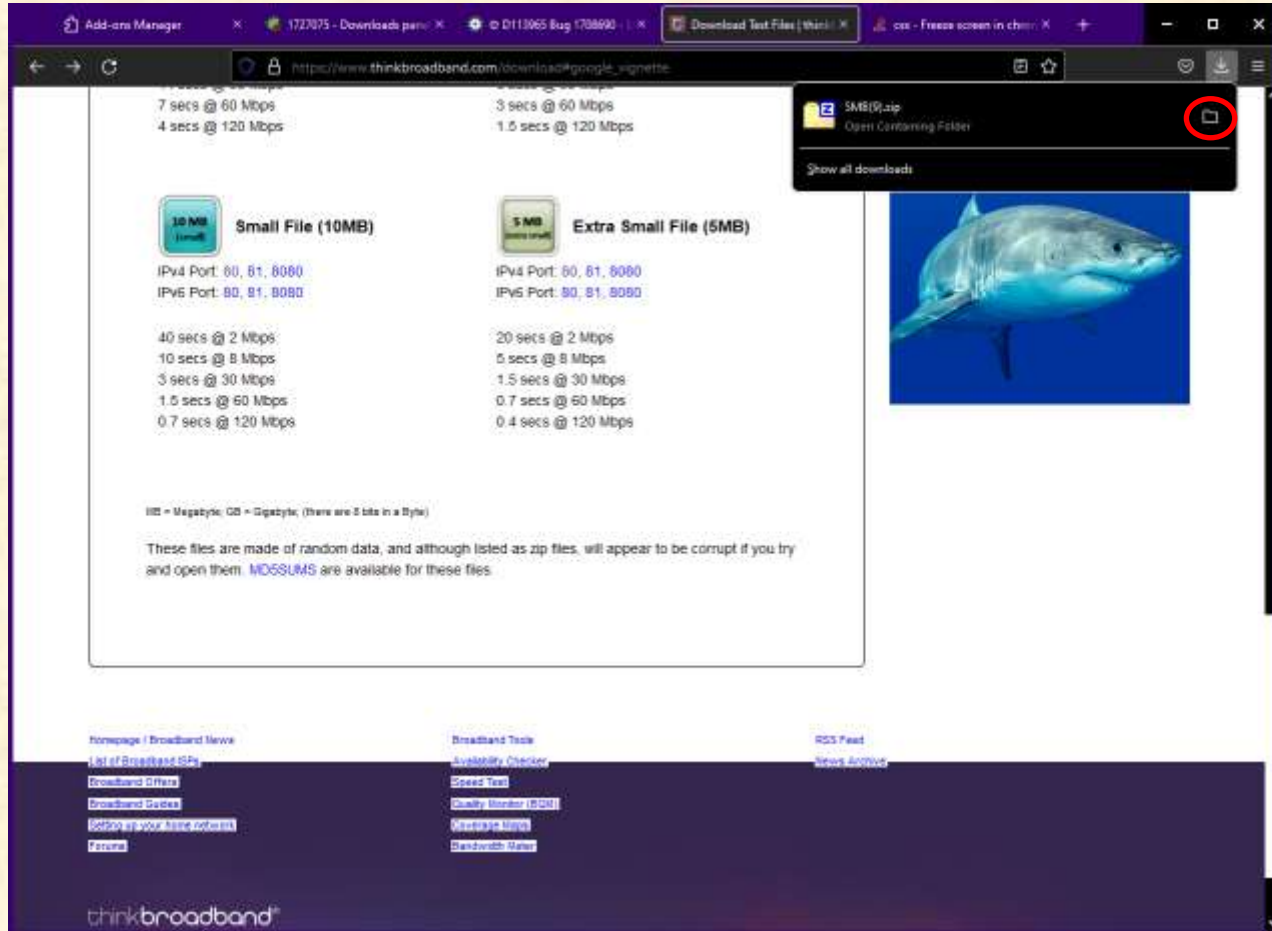
- High contrast mode (HCM) makes Firefox's UI easier to read
- HCM helps users with visual impairments get the full Firefox experience
- While HCM is an essential feature for making the Firefox more accessible, there is still more that can be done to make HCM even better
- Each team member is assigned various bugs to work on in order to improve HCM



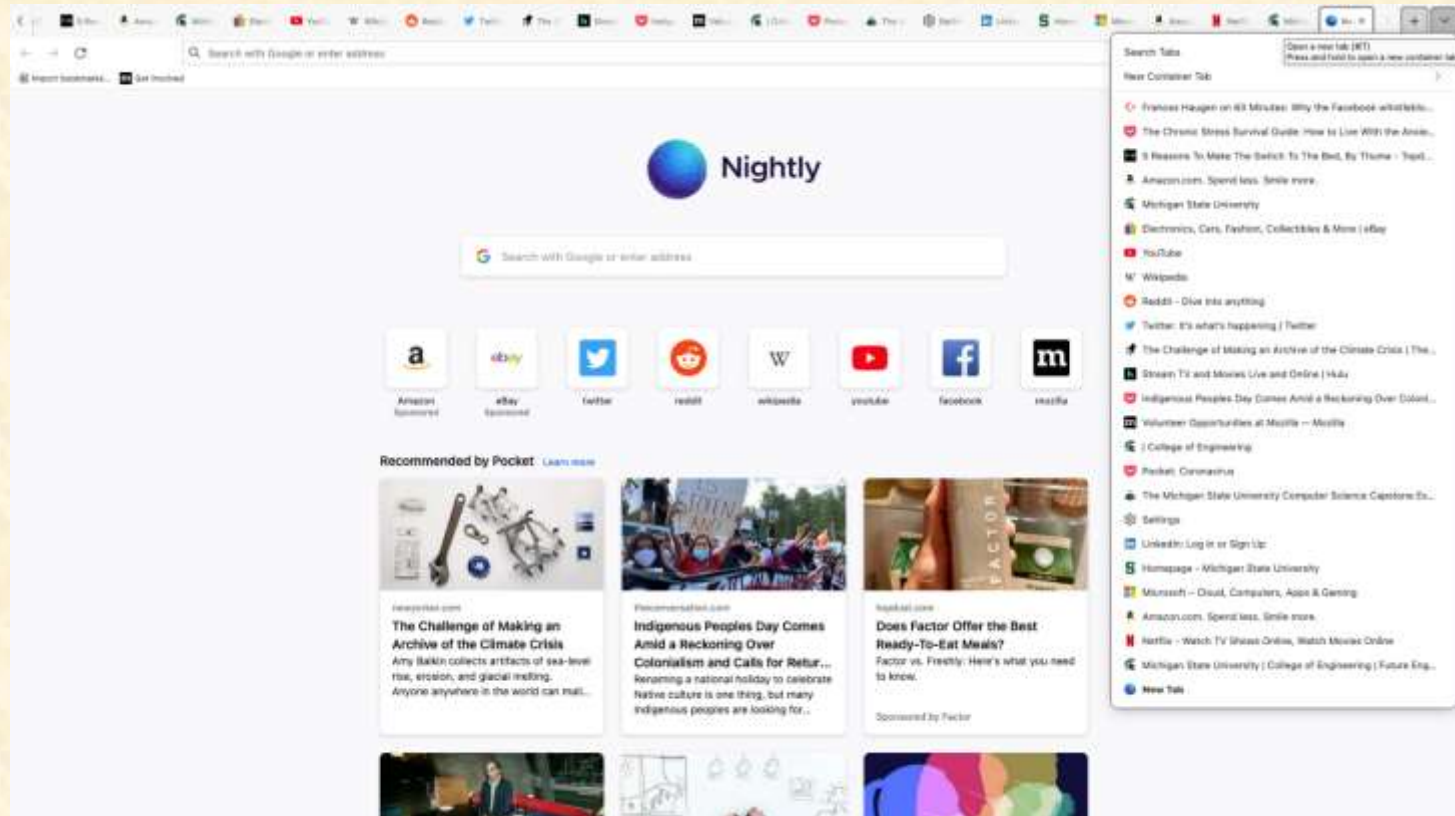
System Architecture



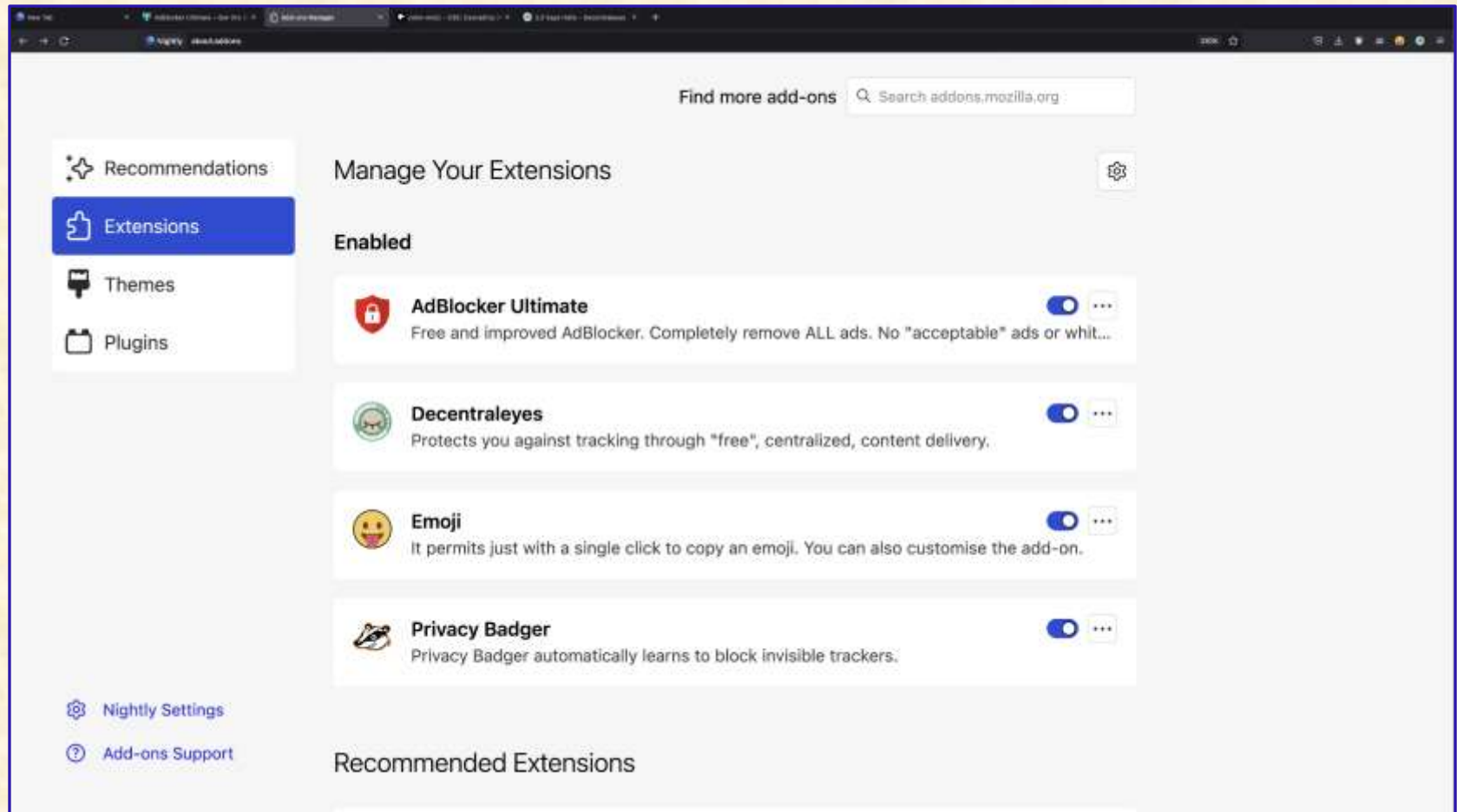
Screen Mockup: Improve icon hover visibility in HCM



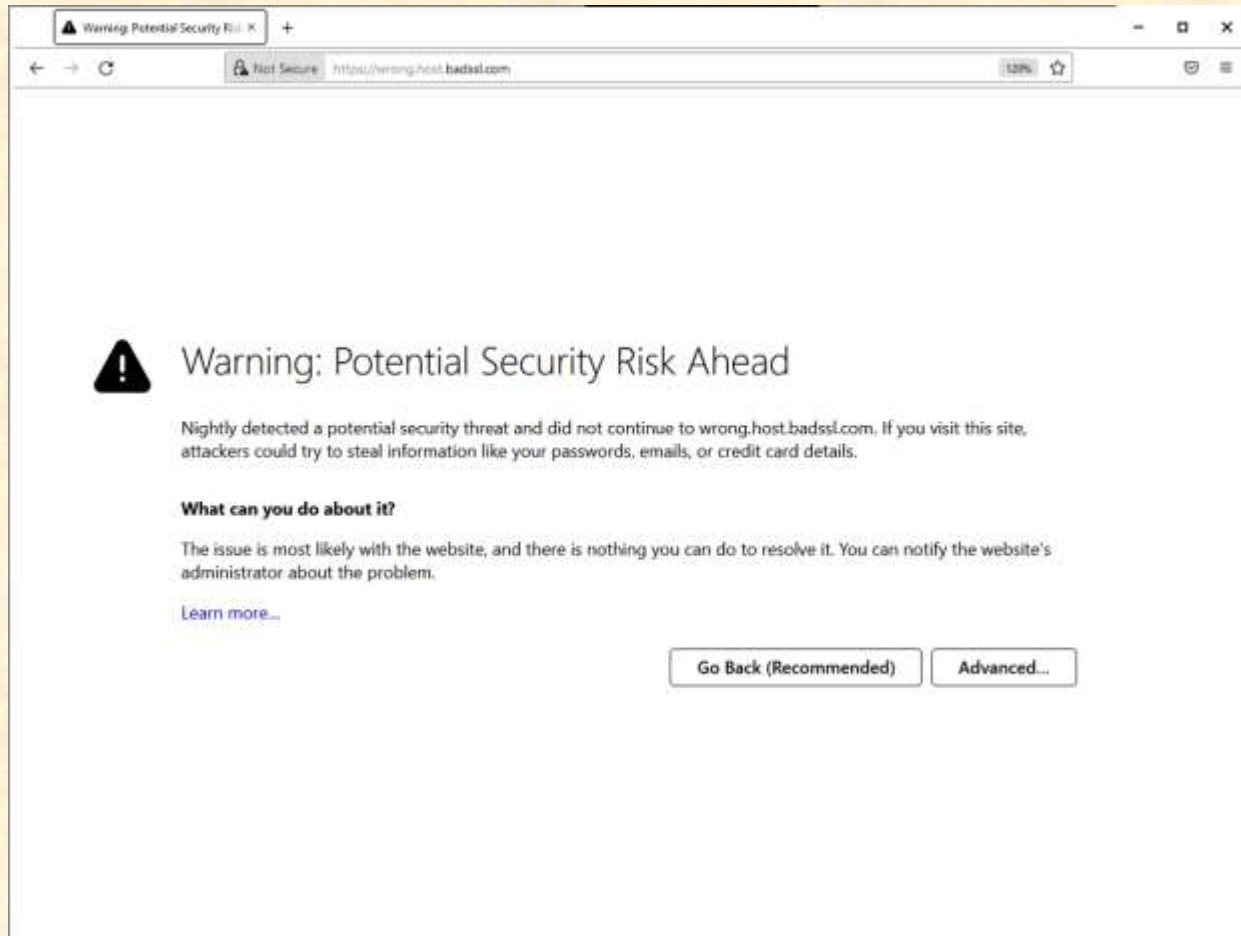
Screen Mockup: Adding HCM tab buttons



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?

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