

MICHIGAN STATE

UNIVERSITY

Alpha Presentation

Improve Firefox's Reader View

The Capstone Experience

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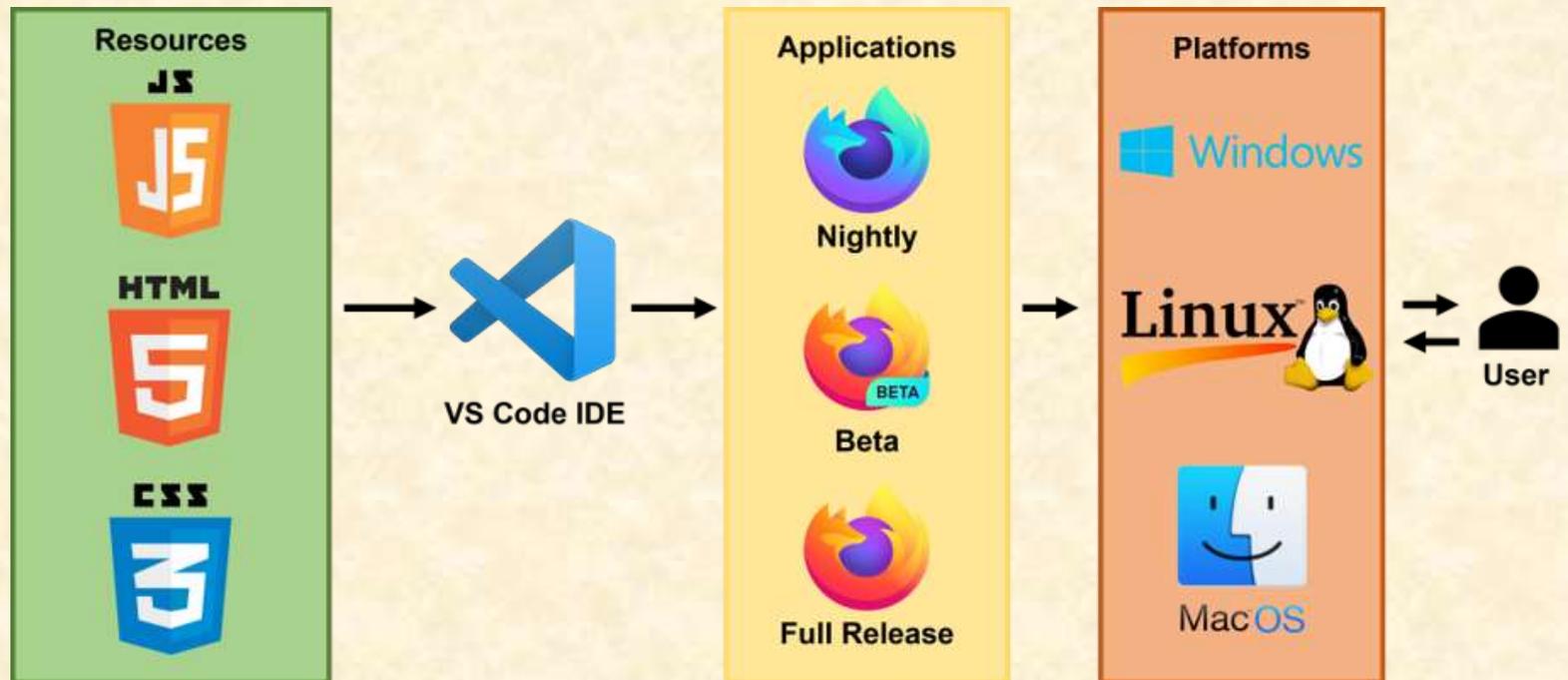
*From Students...
...to Professionals*

Project Overview

- Investigating and fixing issues on top sites
- Writing tests to verify integrity of existing code
- Fixing long-standing issues on the about:reader page
- Features that are being improved upon or added:
 - Quality of life improvements
 - Cross-browser compatibility
 - Page formatting and styling

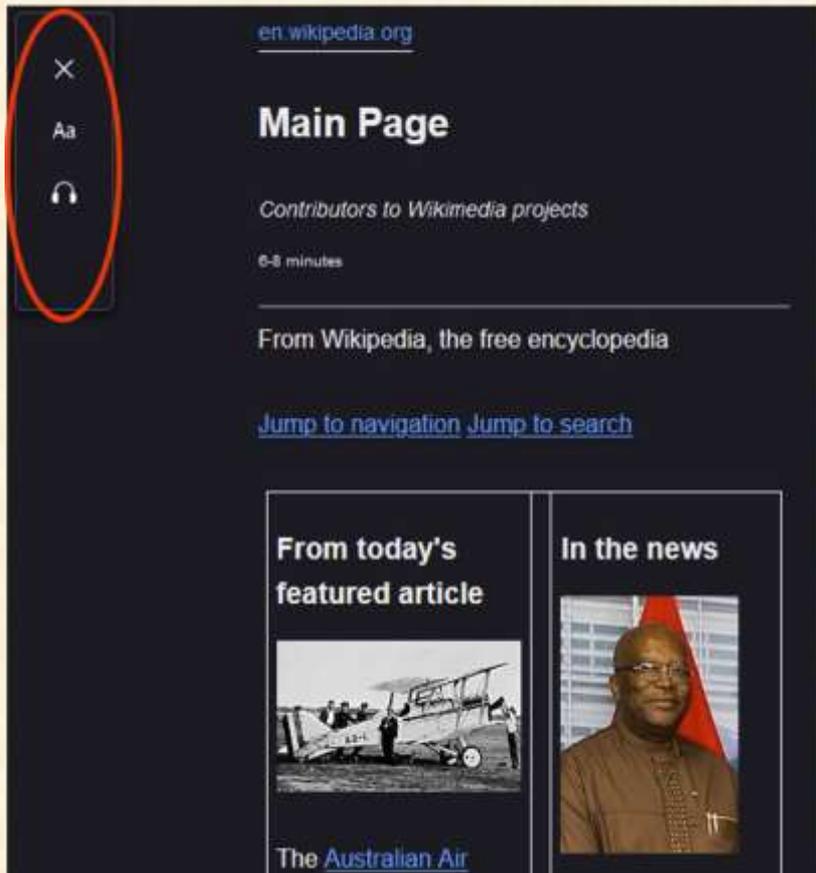


System Architecture

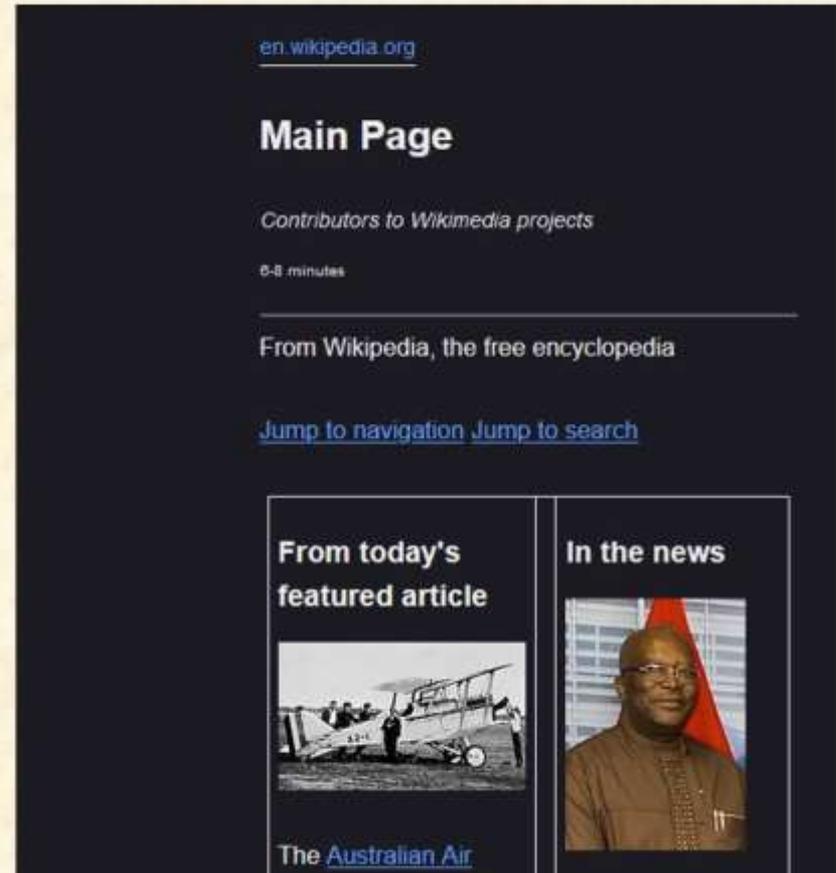


Remove Toolbar on Saved Page

Before:

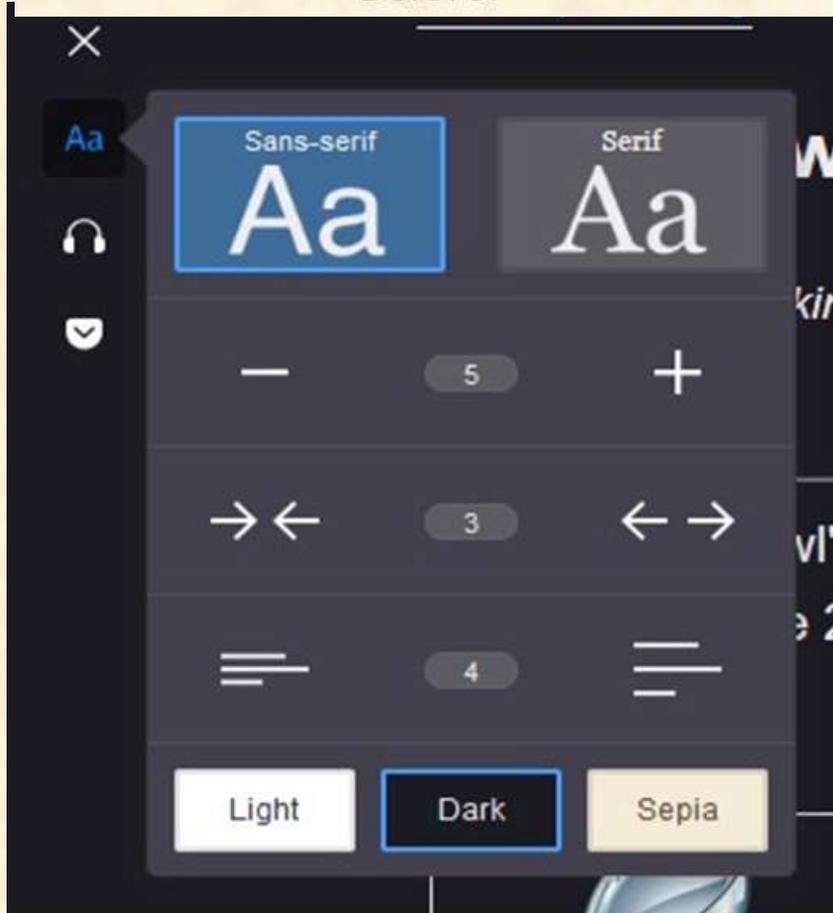


After:

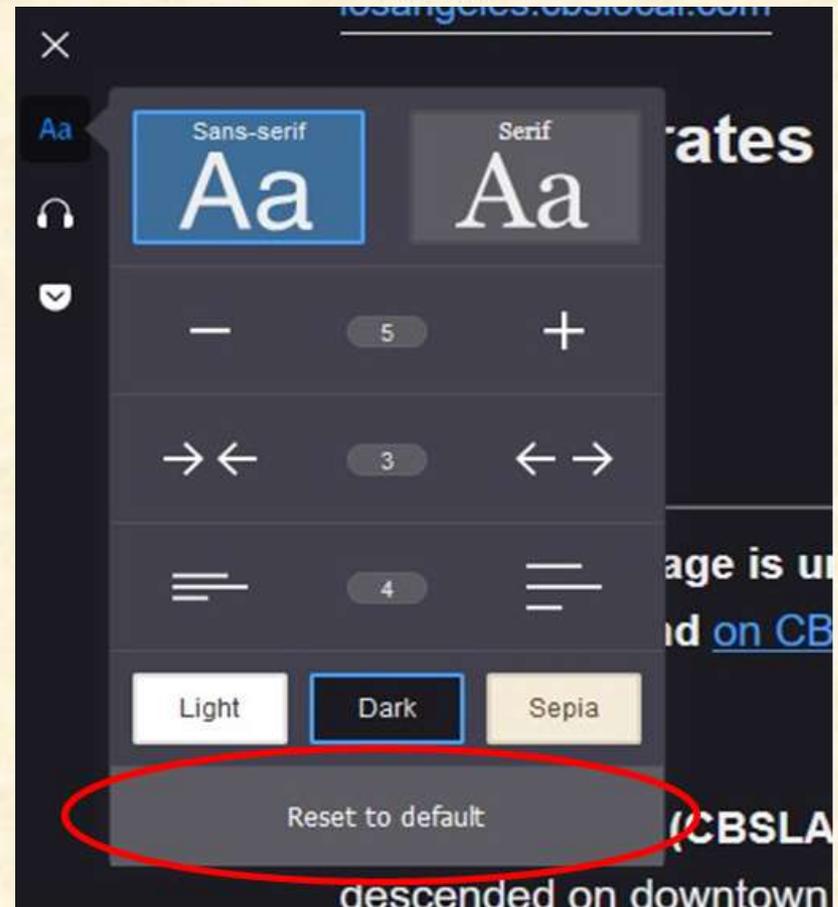


Reset to Default Button

Before:

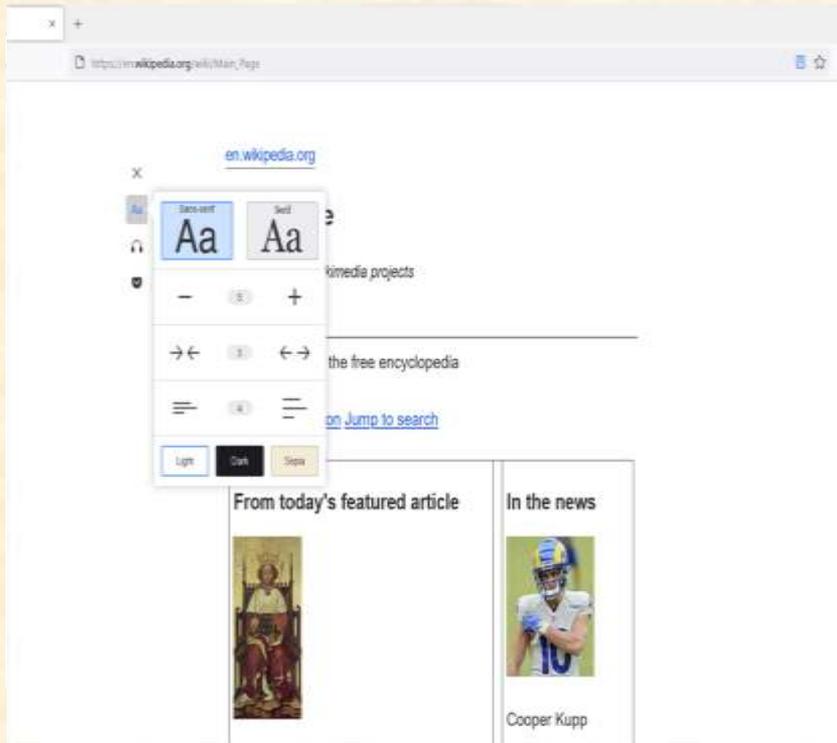


After:

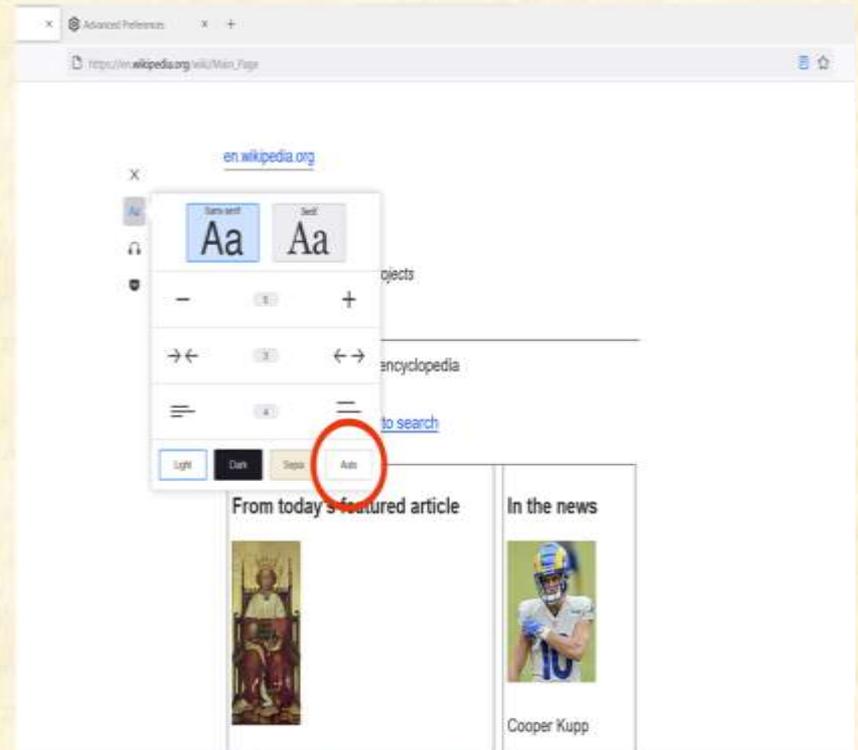


Enhance Color Scheme Preference

Before:



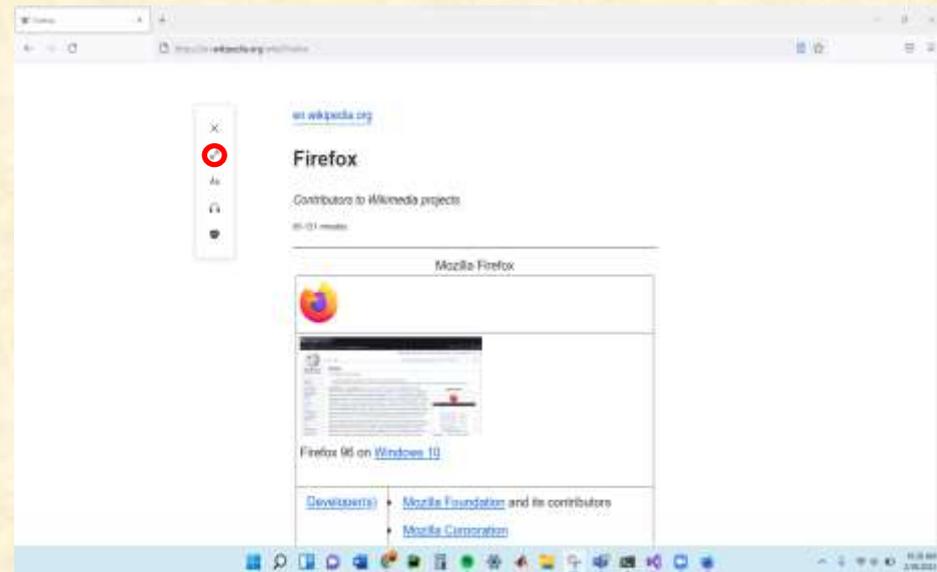
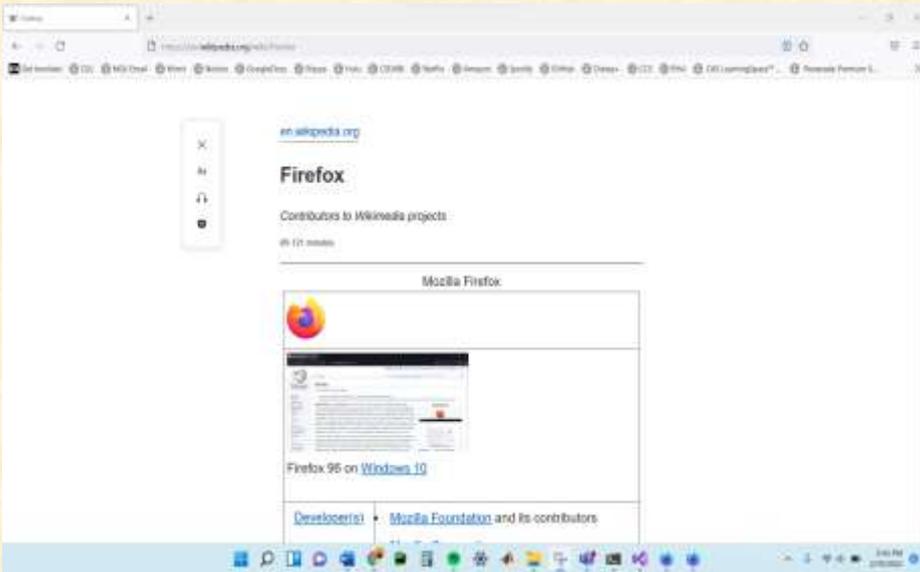
After:



Fullscreen Button in Toolbar

Before:

After:



What's left to do?

- Remaining bugs/enhancements, including:
 - Enhancing the styling of code blocks
 - Improve typography in Reader View for Windows
 - Implementing autoscroll for Reader Mode
- Investigating and fixing issues with top sites.



Questions?

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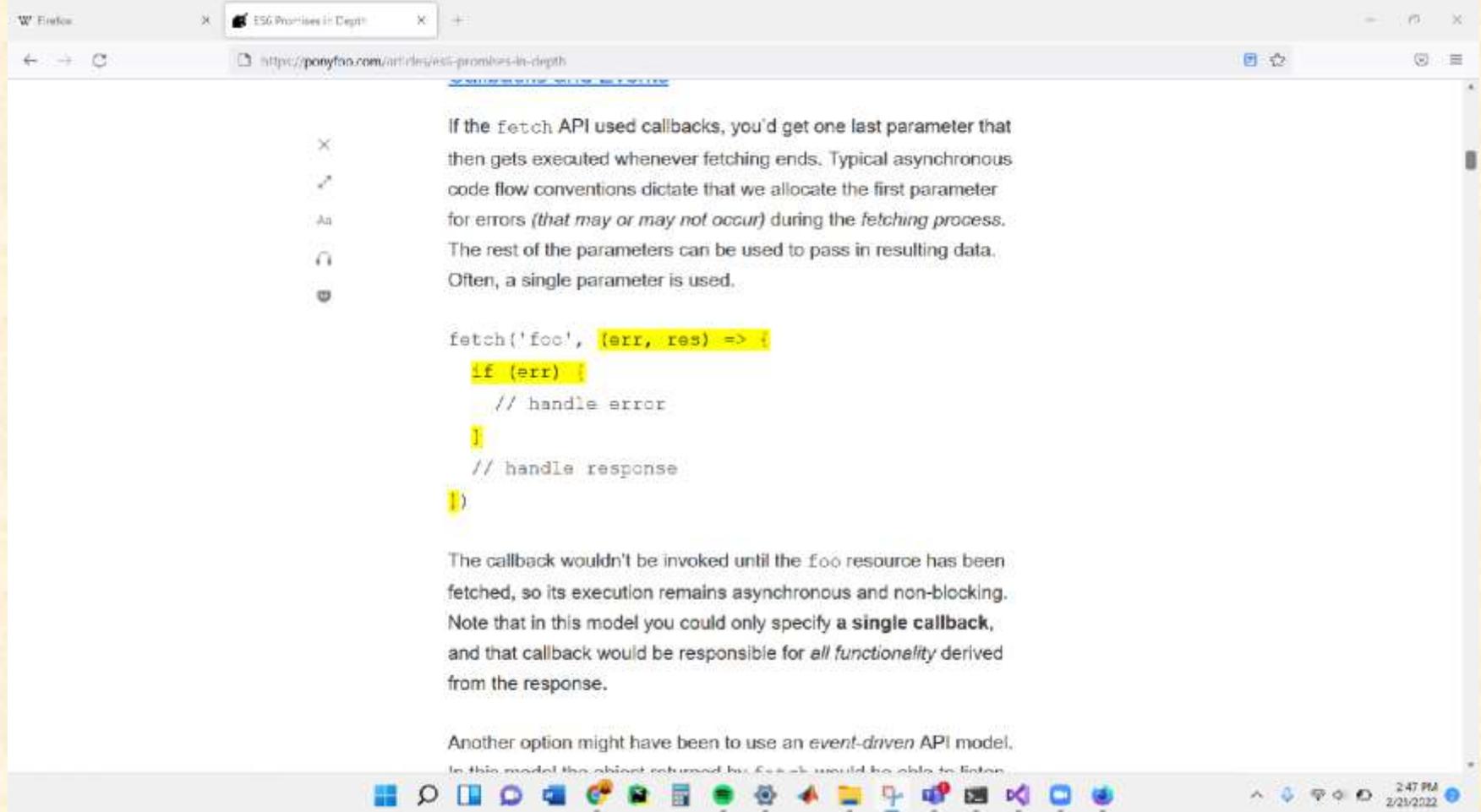
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Enhancing Styling of Code Blocks



The screenshot shows a Firefox browser window with a single tab titled "ES6 Promises in Depth". The address bar shows the URL "https://ponyfoo.com/articles/es6-promises-in-depth". The main content area displays a paragraph of text followed by a code block. The code block contains a JavaScript function call to `fetch` with a callback function. The code is highlighted with yellow and blue background colors, indicating syntax highlighting. The code is as follows:

```
fetch('foo', {err, res} => {  
  if (err) {  
    // handle error  
  }  
  // handle response  
})
```

Below the code block, there is another paragraph of text. The browser's taskbar is visible at the bottom, showing various application icons and the system clock displaying "2:47 PM 2/21/2022".



