Debugging Broken Images in the Browser

This guide shows you how to quickly troubleshoot missing or broken images (such as when the browser shows only the alt text instead of the image) using Developer Tools in Chrome.

- **Open Developer Tools**: Right-click anywhere on your page and choose 'Inspect', or press F12 (or Ctrl+Shift+I on Linux).

- **Go to the 'Console' tab**: If your JavaScript is trying to load an image that doesn't exist, you will see an error in red. It often looks like: GET http://127.0.0.1:5500/week02/mission/mission-white.png 404 (Not Found). The 404 means the file name/path is wrong.

- **Go to the 'Elements' tab**: Find your image tag with the id 'logo'. Expand it and check its 'src' attribute. Whatever path is listed there is what the browser is actually looking for.

- **Double-check the file name**: Look at your file explorer (or run ls in the terminal). Ensure spelling and capitalization match exactly. mission-white.png is not the same as Mission-White.png or mission_white.png.

- **(Optional) Use the 'Network' tab**: Open the Network tab in DevTools, refresh the page, and watch the list of files load. You can see whether mission.png or mission-white.png is being requested and whether it succeeds or fails.

With these steps, you can quickly track down typos or misnamed files when images don't display correctly.