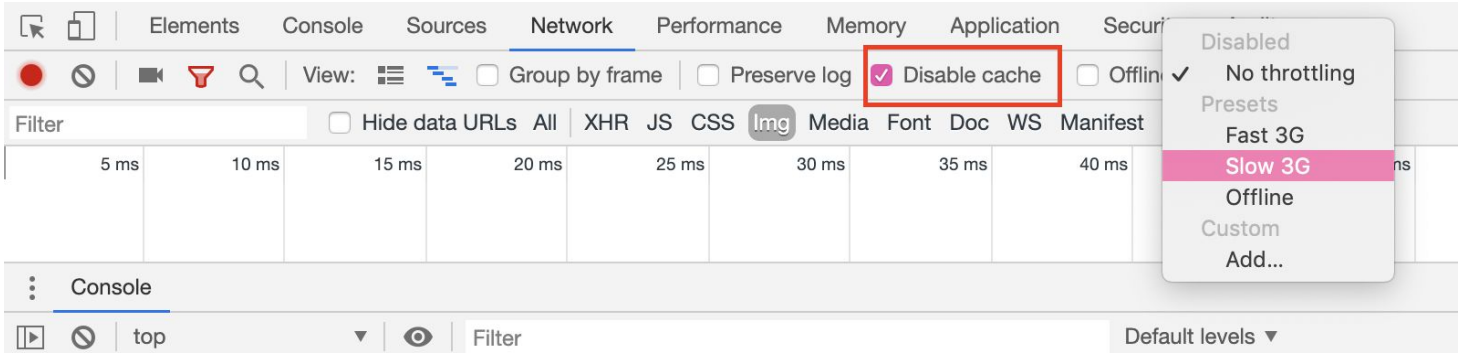
Web Performance (PWA)

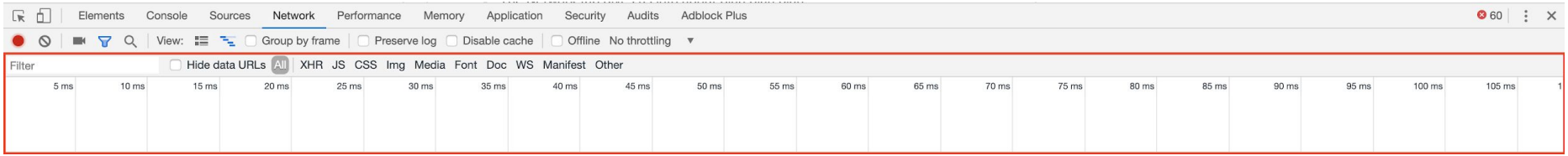
The Coding Bootcamp

Class Objectives

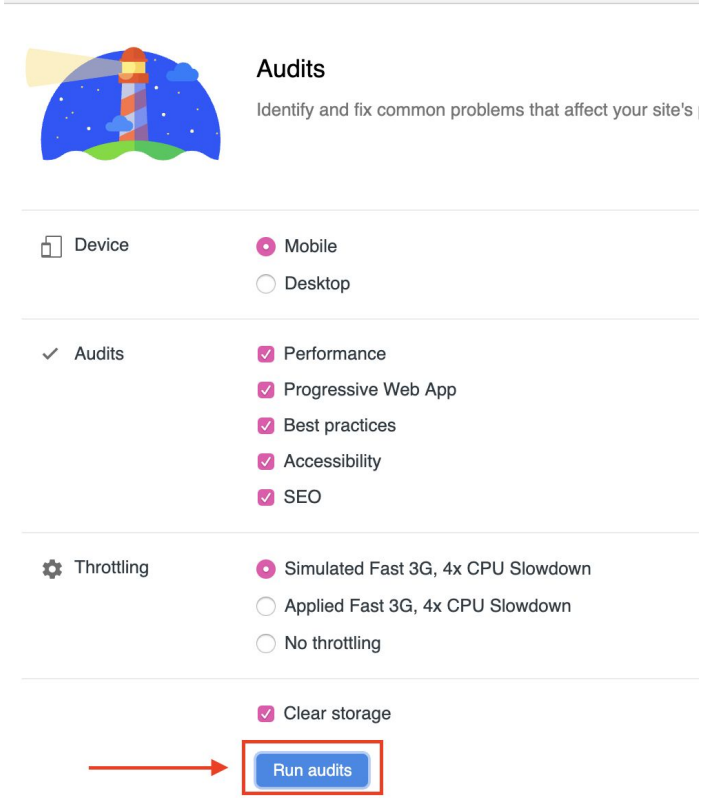
- Articulate the meaning of web performance and how it effects their users.
- Explain how assets like JavaScript files and images impact the performance of a web page.
- Use Lighthouse to audit a sites various performance metrics.
- Use minification to lower JS file sizes.
- Use the compression npm package to enable gzip compression in their applications
- Use online image compression to compress image files while retaining image quality.
- Explain and implement lazy loading into their applications so images are only loaded as needed.

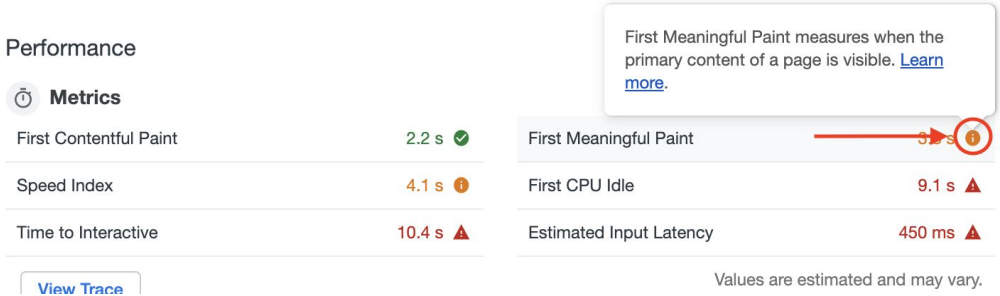
Welcome/Intro Web Performance





Demo Lighthouse





Student Do: Lighthouse Audit (10 mins)

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# Lighthouse Audits

In this activity you will use Google Lighthouse to audit your second group project to find out performance metrics.

## Instructions

* We are going to utilize your second group project for these coming activities to check its performance metrics.

* Navigate to the deployed URL of your project.

* Open the Chrome Dev Tools and click the `Audits` tab.

* Scroll down and click `Run Audits` and allow Lighthouse to run.

  * Read through the provided report and be prepared to talk about the `Opportunities` portion of your audit!
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JS Minification

Questions?