

# Quality Assurance and Testing

Your PWA

# Developer tools

- Debug your service worker is using the Chrome developer tools
  - Set one or more breakpoints, inspect the variables, step through the code
- The good old `console.log` is also still very helpful

# Writing code

Comments... make sure you add them

“Be kind to your future self”

And to your teacher team when they look at your project's code

Not necessary to add comments when the code's purpose or task is obvious

However, add comments to explain or set up logic

For example, if a component class needs two incoming pieces of data, a comment can save a minute of code-reading to understand that fact

# Writing nice-looking code

Use the code formatting feature to set indents etc. consistently  
Select the block of code, then...

In VS Code on macOS:

- Shift + Option + F

In VS Code on Windows:

- Shift + Alt + F

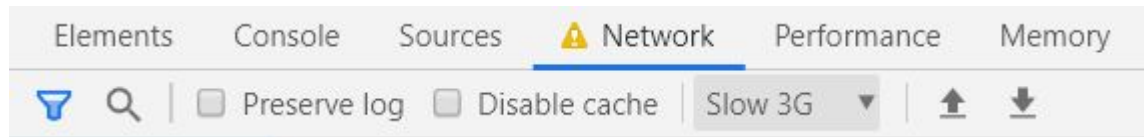
# Lighthouse audit

Use this tool during development - don't wait until the end

The client/sponsor requests 80% or more

We should probably attempt to get to 100%, when targeting Android (and the Chrome browser)

# Testing



Remember to test on slow networks and offline

Webpagetest.org

## Test a website's performance

**Advanced Testing** | Simple Testing | Visual Comparison | Traceroute

Enter a Website URL

START TEST

Test Location: Rose Hill, Mauritius (Chrome, Firefox, Opera) | Select from Map

Browser: Chrome

Advanced Settings ▶  
3 runs, First View only, Cable connection

Provided by  
mauritius telecom

# Testing

- Remember to test again after deploying, following all links, checking that pictures are there
- Take advantage of your classroom situation - ask someone from another team to test your app
- Remember that you are developing a prototype, but not a finished product, so more extensive testing should be done before production