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Chrome Developer Tools

These developer tools, built directly into the Google Chrome browser, help you edit pages and removes errors. They provide developers with more access in their web applications and browser. This includes the ability to easily see and change page styles, debug and optimize your website. Three things you can do with Chrome developer tools are understand security issues, run snippets of code from any page and utilize open Chrome DevTools.

DevTools For Beginners  
 Also included is DevTools for beginners, which teaches the fundamentals of web development as well as the basics of DevTools and is a valuable learning tool. These lessons are broken up into HTML and the DOM and CSS. They include various goals in a step by step series.

Progressive Web Apps

This feature is used to inspect, modify and debug web app manifests, service workers and caches. Web app manifests are needed to allow users to be able to add your app to their home screens. It defines the apps appearance, where to direct users and what it looks like when launched. Service workers are scripts that run in the background apart from the web page. They enable access to features that don’t require user interaction or a web page. Any installed service workers will be displayed under the service worker panel and will have an indication if there’s errors. This panel give you options for service workers so you can get things like automatic updates and status of a service worker. Service worker caches are a read only list of resources which have been cached. It basically works as a way to backup every version of a service worker and should be managed periodically to avoid taking up too much space.  
  
Security issues

Chrome developer tools includes the ability to debug security issues. Security lets you find out instantly if your page is secure or not. It will alert you when a page is not secure but can also determine if a secure page is receiving content from other origins using HTTP. These are known as mixed content pages and will still be flagged as not secure. Requests can be viewed as part of the network panel to show exactly which requests serve over HTTP and shows unprotected requests from all origins. It can also inspect individual origins and view connection and certificate details, which will show which requests are unprotected.   
  
Snippets

These are small scripts accessible from any page that can be executed within the Sources panel. They can useful for utilizing small utilities or debugging scripts repeatedly in the form of snippets. They work with other features from the Sources panel as well and be a time saver when using the same resources on multiple pages. Snippets are in the Sources panel and can be created by selecting new. You can then enter the code you want to make a snippet out of and save. Running snippets is simple as well, either right click one in your list of snippets and select run, click the run button or press command enter. Lastly, breaking points are also possible to add on snippets.

Resources  
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Brian Jackson (2017) Chrome DevTools – 25 Tips and Tricks. Retrieved from <https://www.keycdn.com/blog/chrome-devtools>