

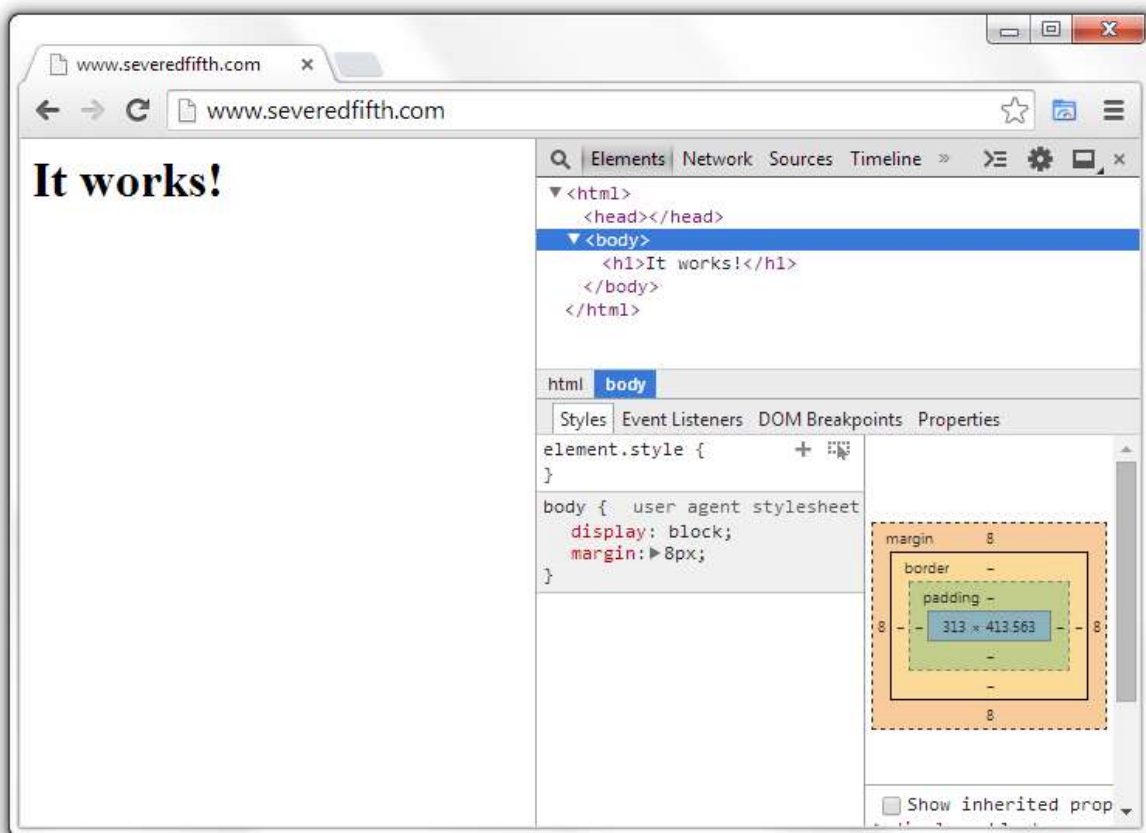
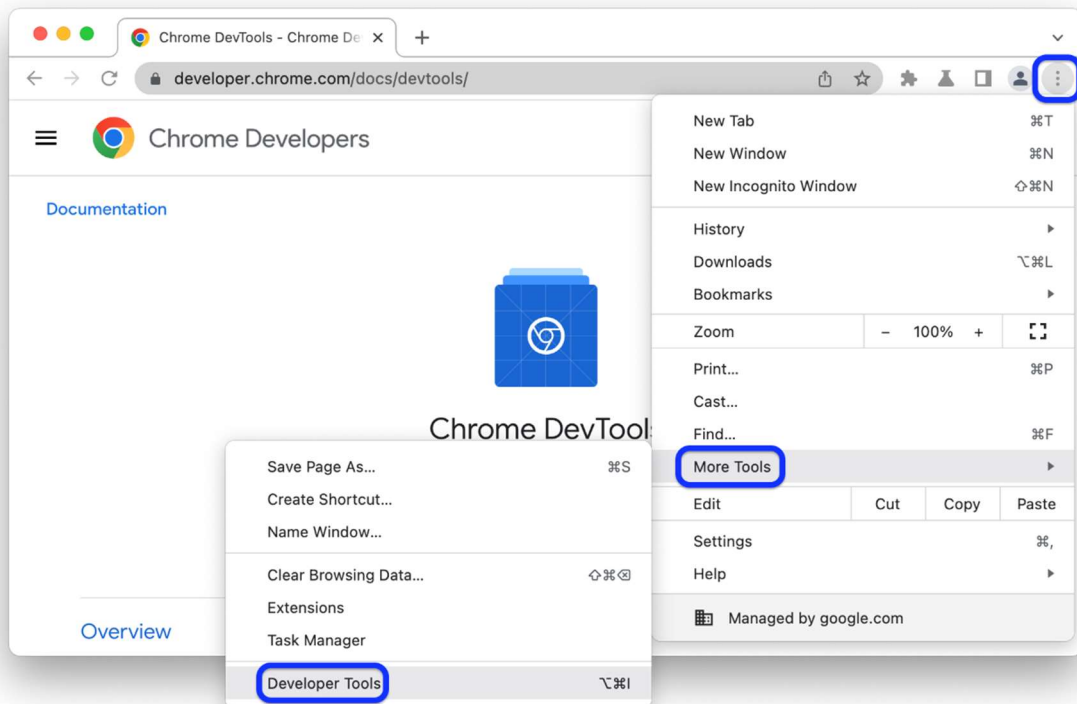
## **Essential Tools for Front-End Web Development**

A Front-End Web Development Tool is actually the software that allows the front-end developers to build the website layout and UI more efficiently and without any hassle. With the help of such tools – the work of front-end web developers, especially the repetitive or monotonous tasks, gets reduced that subsequently fastens the web development process.

There are numerous front-end web development tools out there for various specific requirements such as HTML, CSS, and JavaScript tools, Code-Editing tools, Deployment Tools, Prototyping & Wireframing tools, Security tools, and many more. Though you're required to consider various factors before opting out for a particular tool such as your requirements, offered functionalities, ease of use, platform compatibility, prices, etc.

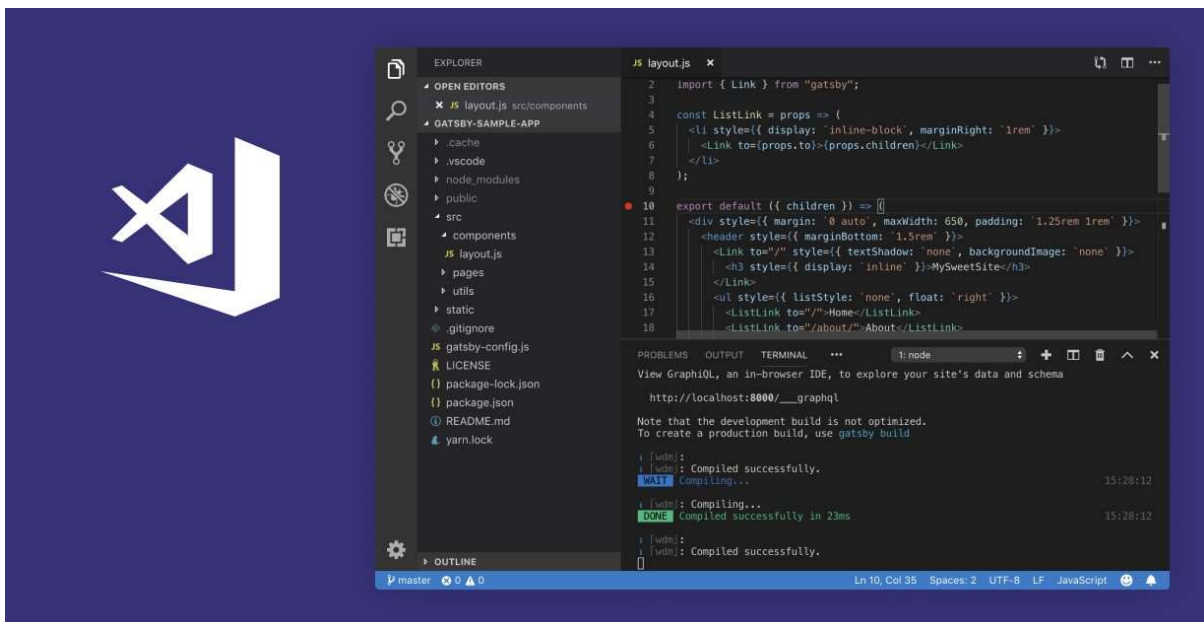
### **1. Chrome DevTools**

Chrome DevTools is a widely used web development tool that allows you to edit web pages directly from the Google Chrome browser and diagnose problems rapidly to build better websites. With the help of Chrome DevTools, you can easily edit your HTML & CSS code or debug JavaScript code in a real-time environment. It offers you numerous additional prominent advantages such as using 'Timeline' you can conveniently recognize run-time performance problems, the 'Device Mode' can help you test the responsiveness of the website, 'Sources Panel' can be used to debug the JavaScript using breakpoints, the 'Network Panel' allows you to view and debug network activity, and many more.



## 2. Visual Studio Code

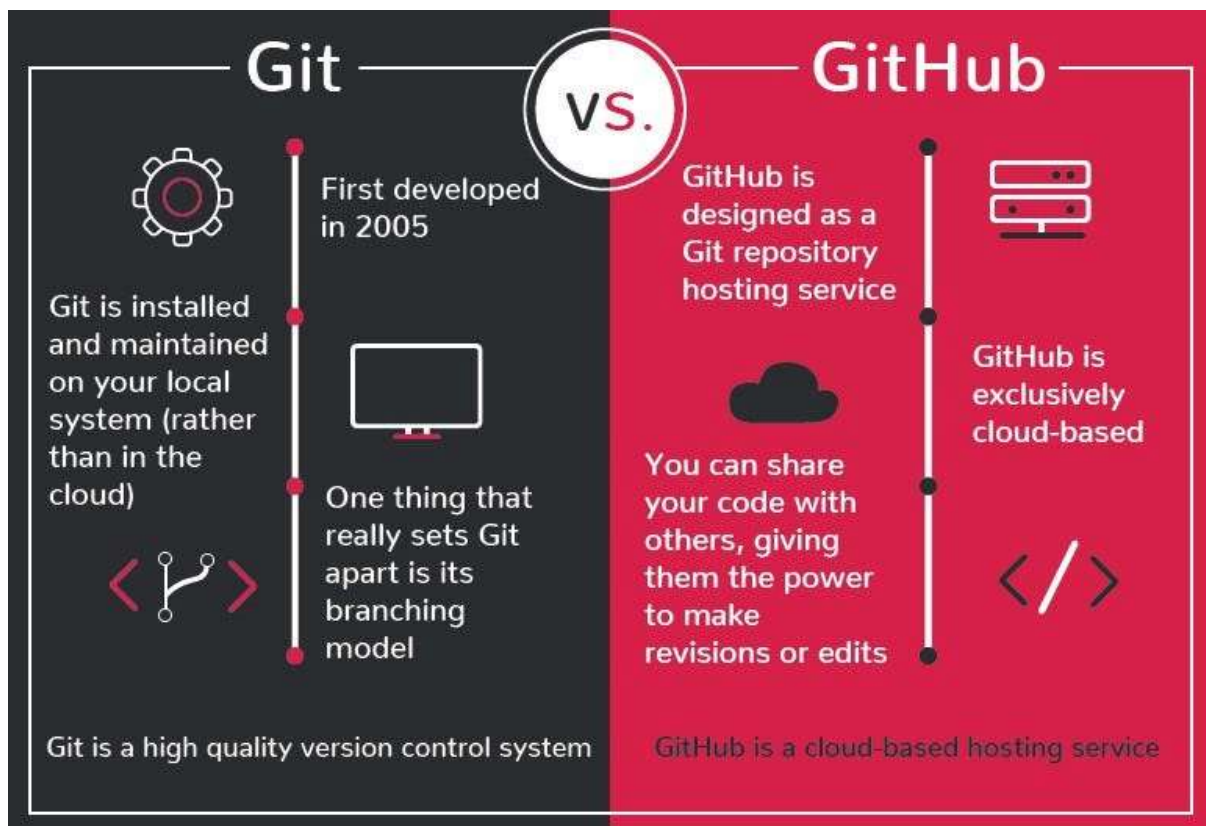
A better code editor is a fundamental requirement of front-end developers – and with a similar concern, here we're mentioning one of the most recommended code editors for you i.e., Visual Studio Code. This open-source code editor by Microsoft leverages you with numerous remarkable features such as syntax highlighting, smart code completion, built-in debugger, built-in Git commands, easier deployment capabilities, and many others. In addition, it is available for Windows, macOS, and Linux as well – also, Visual Code Studio provides you with built-in support for JavaScript, TypeScript & Node.js and other languages such as C++, Java, Python, PHP, etc. can also be supported using extensions. You're strongly recommended to give it a try to Visual Studio Code, especially if you're a beginner front-end developer.



## 3. Git & Github

Another tool that comes in this list is a popular version control system – Git. It allows you to manage the source codes, track the changes that you've made in your code or even roll back to the previous state in a much convenient way. It saves every change and allows all the developers in the team to work on the same code at the same time without any hassle. It makes the collaboration among developers more smooth by reducing the risk of situations like code conflict, etc. Meanwhile, Git is free

to use, open-source, and very much secure – what else you need to get started with the enriching tool for front-end web development.



By using Git and GitHub, you can access your code from any computer. If your local machine was to get damaged or stolen, for example, you would lose all of your code with no way to retrieve it. However, if you store your code on GitHub, which is a cloud-based service, you never have to worry about losing it.

Git and GitHub are great tools to consider when working on any coding project.