

List Of The Top Web Development Tools

Enlisted below are the most popular tools for Web Development that are used worldwide.

1. Web.com
2. Angular.JS
3. Chrome DevTools
4. Sass
5. Grunt
6. CodePen
7. TypeScript
8. GitHub
9. NPM
10. JQuery
11. Bootstrap
12. Visual Studio Code
13. Sublime Text

#1) Web.com

Best for Small and Medium Businesses

Web.com is a platform intended to make website creation as simple as possible. It allows you to customize your website's CSS and HTML by employing programming languages like Ruby on Rails, Python, or PHP.

Top Features:

- Compatible with CSS
- Unlimited MySQL Databases
- FTP Accounts supported
- Automates Site restore and backup.

#2) Angular.JS

Best for small to large businesses.

AngularJS will help you to extend HTML vocabulary. HTML is good for static documents, but it will not work with dynamic views. AngularJS will give you an environment that will be expressive, readable, and quick to develop. It provides the toolset that will let you build the framework for your application development.

Features:

- AngularJS provides you the features of Data Binding, Controller, and Plain JavaScript. Data Binding will eliminate DOM manipulation.
- Directives, Reusable Components, and Localization are the important features that AngularJS provides for creating Components.
- It provides the features of Deep Linking, Form Validation, and Server Communication for Navigation, Forms, and Back ends.
- It also provides built-in Testability.

#3) Chrome DevTools

Best for small to large businesses.

Chrome provides a set of tools for web developers. These tools are built into Google Chrome. It has the functionality to view and change the DOM and a Page's Style. With

Chrome DevTools, you will be able to view messages, run & debug JavaScript in the Console, edit the pages on-the-fly, diagnose the problem quickly, and optimize the website speed.

Features:

- You can inspect Network Activity with Chrome DevTools.
- With performance panel functionalities you will be able to Optimize speed, Analyze Runtime performance, and Diagnose forced synchronous layouts, etc.
- It has various functionalities for Security panels like understanding Security Issues and for Application panel, Memory panel, Network panel, Sources panel, Console panel, Elements panel, and the Device mode.

#4) Sass

Price: Free

Sass is the CSS extension language that is most mature and stable. It will allow you to use variables, nested rules, mixing, and functions. Sass will help you with sharing design within and across projects.

Features:

- You will be able to organize large Stylesheets.
- Sass supports multiple inheritances.
- It has features of Nesting, Variables, Loops, Arguments, etc.
- It is compatible with CSS.
- Sass has a large community.

#5) Grunt

Best for small to medium-sized businesses.

Grunt is a JavaScript Task Runner that is useful for automation. It will perform most of the repetitive work such as minification, compilation, Unit testing, etc.

Features:

- It provides various plugins.
- Grunt will let you automate almost anything using minimum efforts.
- You can also create your own Grunt plugin to Npm.
- It is easy to install

#6) CodePen

Best for small to large businesses.

CodePen is an online tool that has the functionalities for designing and sharing front end development. You can use CodePen to build the entire project as it provides all the features of IDE in the browser.

Features:

- It provides a customizable editor.
- CodePen will let you keep your pens private.
- It will allow you to drag-and-drop images, CSS, JSON files, SVGS, Media files, etc.

- It has a collaboration mode that will allow multiple people to write and edit code in a pen at the same time.

#7) TypeScript

Best for small to large businesses.

This open-source programming language is a typed superset of JavaScript. It will compile the code to plain JavaScript. It supports any browser, any host, and any operating system. You can use the existing JavaScript code and call the TypeScript code from JavaScript.

Features:

- Compiled TypeScript code can be run in Node.js, in any JavaScript engine that supports ECMAScript 3, that too in any browser.
- TypeScript will allow you to use the latest and evolving JavaScript features.
- You can define interfaces between the software components.

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8) GitHub

Best for small to large business size.

GitHub is the Software development platform. It will help you to manage the projects. GitHub will allow you to create a review processes for your code and fit it into your workflow. It can be integrated with the tools that you are using already. It can be deployed as a self-hosted solution or cloud-hosted solution.

Features:

- GitHub provides project management features.
- It is used by developers for personal projects or to do experiments with new programming languages.
- For enterprises, it provides the features of SAML single sign-on, Access provisioning, 99.95% uptime, Invoice billing, Advanced auditing, and Unified search and Contribution, etc.
- GitHub provides security features like Security incident response, and Two-factor authentication, etc.

#9) NPM

Best for small to large businesses.

Price: Npm is a free and open-source tool. Npm Orgs is available for \$7 per user per month. You can get a quote for Npm Enterprise.

Npm will help you to build amazing things through essential JavaScript tools. It has functionalities for team management. There will be no need to configure anything. It provides security auditing features.

For enterprise-grade solution, it provides the features of security expertise, de-duplicated development, access control, and unrivaled support.

Features:

- With a free and open-source solution, you will be able to publish unlimited OSS packages and discover & install public packages. You will get basic support and automatic warnings about unsafe code.
- With the Npm Orgs plan, you will get all the basic features of the open-source solution plus you will be able to manage team permissions and perform workflow integration & token management.
- With the enterprise solution, it provides additional features like industry-standard SSO authentication, dedicated private registry, and invoice-based billing.

#10) JQuery

Best for small to large businesses.

This JavaScript library is created for simplifying HTML DOM tree traversal and manipulation. It is also used for event handling and animation. It is rich in features.

Features:

- JQuery provides an easy to use API that makes tasks like Ajax and animation simpler. This API can work in a multitude of browsers.
- JQuery is 30/kb minified and gzipped.
- It can be added as an AMD module.
- It is CSS3 Compliant.

#11) Bootstrap

Best for small to large businesses.

Bootstrap is the toolkit that will let you develop with HTML, CSS, and JS. Bootstrap is used to develop responsive mobile-first projects on the web. This front-end component library is an open-source toolkit.

Features:

- Bootstrap has the features of Sass variables and mixing.
- It provides a responsive grid system.
- It has extensive pre-built components.
- It provides powerful plugins built on JQuery.

#12) Visual Studio Code

Best for small to large businesses. Visual Studio Code can be run everywhere. It has features of IntelliSense, Debugging, Built-in Git, and extensions to add more languages, Themes, Debuggers, etc. It supports Windows, Mac, and Linux platforms.

Features:

- Visual Studio Code Editor will allow you to debug the code from the editor.
- You will be able to debug with breakpoints, call stacks, and an interactive console.
- It will allow you to review diffs, stage files, and make commits from the editor.
- It is extensible and customizable. You will be able to add new languages, themes, and debuggers through extensions.

#13) Sublime Text

Best for small to large businesses.

Sublime Text is a text editor that can be used to code, markup, and prose. It supports split editing mode. With the help of this feature, you will be able to edit files side by side. It can be the same file for editing at two different locations.

It provides many more features like customize anything and instant project switch. Sublime Text supports Windows, Mac, and Linux platforms.

Features:

- It will allow you to open files using Goto Anything command. For this, it will allow you to make use of a part of a file name, symbols, line number, or use the search within the file.
- Using multiple selections feature you will be able to make ten changes at the same time.
- Through Python API, Sublime Text will allow the plugins to provide more built-in functionality.
- Functionalities that are not used frequently like Sorting and Changing indentation will be available in the Command Palette.

#14) Sketch

Best for individuals as well as small to large businesses. Sketch provides a smart layout to help you create responsive and reusable components that can automatically get resized to fit the content. It provides hundreds of plugins. It supports Mac OS. It can be used to create timeline animations.

Features:

- Sketch has the features of powerful vector editing, pixel-perfect precision, non-destructive editing, code export, and prototyping.
- It provides collaboration features that will allow your team members to share designs and prototypes.
- With the help of Sketch, you will be able to turn wireframes into UI elements.

What Is The World Wide Web For Ecommerce?

The World Wide Web (WWW), often known as the web, is the information system that facilitates easy access to information about a wide range of topics. Ecommerce has revised the meaning of the World Wide Web. It allows online transactions of money for the trade of products and services directly online using internet technology. Customers adorn the personalized shopping experience on the web, and they expect the same in the local market. WWW evolutionized shopping so much that shoppers often find customers coming with reference images of products from the web, to find similar products in the local market. With the increasing acceptance of online shopping, especially during the lockdowns of COVID-19, more customers moved to

online shopping. Considering the changing trends, presently, more businesses are forced to move online for better conversions.

Learn To Leverage The World Wide Web For Ecommerce With Builderfly

Direct Selling

With the help of the World Wide Web, people from around the globe can visit virtual shops and malls online, browse through various product catalogs, and shop instantly from the website. All these functions of an ecommerce store are possible only through the multimedia functions of the World Wide Web. Also, any individual/business can now sell online to any part of the world without visiting the place through such virtual shops on the WWW. You can start direct selling instantly now, opening your online store with Builderfly for absolutely zero investments.

Organized Communication

Email or electronic mail is a cost-effective way to communicate through the large network on the World Wide Web. Ecommerce is a business that requires active communication between sellers and customers and among a network of sellers. Email marketing is one of the powerful communication tactics that businesses are deploying to have organized communications. You can also use it to personalize your communication with your customers using our ready email marketing templates. Create your email marketing campaign and increase your store's conversion rate with Builderfly now!

Marketing

The web became a medium that instills trust in a new business. With the help of the World Wide Web, any ecommerce website can market its services/products to the world at lower costs than traditional marketing methods. For ecommerce businesses like yours, Builderfly is an ecommerce

platform hosted on the web that allows you to build your virtual store easily without any technicalities. We help you market your products and flourish as a brand on the web with our marketing tools.

Social Selling

With the motive of connecting information and people to interact better, the World Wide Web gave us free and open-network to connect with people on social platforms. Reach out to your potential buyers across the globe without upfront investments, understand their requirements, and fulfil orders instantly. Social selling is quite a trend in recent times and several businesses are already leveraging its power for their business. If you want to try this out for your business, you can link your social handles to your Builderfly store and start social selling now!

What is an e-payment system?

An e-payment or [Electronic Payment system](#) allows customers to pay for the services via electronic methods.

They are also known as online payment systems. Normally e-payment is done via debit, credit cards, direct bank deposits, and e-checks, other alternative e-payment methods like e-wallets, bitcoin, cryptocurrencies, bank transfers are also gaining popularity.

Types of e-payment system

E-payments can be done in the following ways,

Internet banking – In this case, the payment is done by digitally transferring the funds over the internet from one bank account to another.

Some popular modes of net banking are, NEFT, RTGS, IMPS.

Card payments – Card payments are done via cards e.g. credit cards, debit cards, smart cards, stored valued cards, etc. In this mode, an electronic payment accepting device initiates the online payment transfer via card
Credit/ Debit card – An e payment method where the card is required for making payments through an electronic device.

Smart card – Also known as a chip card, a smart card, a card with a microprocessor chip is needed to transfer payments.

Stored value card – These types of cards have some amount of money stored beforehand and are needed to make funds transfer. These are prepaid cards like gift cards, etc.

Direct debit – Direct debit transfers funds from a customer's account with the help of a third party

E-cash – It is a form where the money is stored in the customer's device which is used for making transfers.

E-check – This is a digital version of a paper check used to transfer funds within accounts.

Alternate payment methods – As technology is evolving, e-payment methods kept evolving with it (are still evolving..) These innovative alternate e-payment methods became widely popular very quickly thanks to their convenience.

E-wallet – Very popular among customers, an E-wallet is a form of prepaid account, where customer's account information like credit/ debit card information is stored allowing quick, seamless, and smooth flow of the transaction.

Mobile wallet – An evolved form of e-wallet, mobile wallet is extensively used by lots of customers.

It is a virtual wallet, in the form of an app that sits on a mobile device. Mobile wallet stores card information on a mobile device.

The user-friendly nature of mobile wallets makes them easier to use. It offers a seamless payment experience making customers less dependent on cash.

QR payments – QR code-enabled payments have become immensely popular. QR code stands for 'Quick Response' code, a code that contains a pixel pattern of barcodes or squares arranged in a square grid.

Each part of the code contains information. This information can be merchant's details, transaction details, etc. To make payments, one has to scan the QR code with a mobile device.

Contactless payments – Contactless payments are becoming popular for quite some time. These payments are done using RFID and NFC technology.

The customer needs to tap or hover the payment device or a card near the payment terminal, earning it a name, 'tap and go'.

UPI payments – NPCI (National Payment Corporation of India) has developed an instant real-time payment system to facilitate interbank transactions.

This payment system is titled UPI(Unified Payment Interface). Payments via UPI can be made via an app on a mobile device.

Biometric payments – Biometric payments are done via using/scanning various parts of the body, e.g. fingerprint scanning, eye scanning, facial recognition, etc.

These payments are replacing the need to enter the PIN for making transactions making these payments more accessible and easy to use.

Payments are done via Wearable devices – Wearable devices are rapidly becoming popular among customers.

These devices are connected to the customer's bank account and are used to make online payments.

An example of a wearable used for making an online payment is a smartwatch.

AI-based payments – As machine learning and Artificial Intelligence is creating a revolution all around the world, AI-based solutions are becoming more popular.

Payments based on AI such as speakers, chatbots, ML tools, deep learning tools, etc are making it easier for businesses to maintain transparency.

How e-payment system works?

Entities involved in an online payment system

The merchant

The customer / the cardholder
The issuing bank
The acquirer
Payment Processor
Payment Gateway

Working of e-payments can be explained in the following three steps,

Payment initiation – Customer finalizes the product/service and chooses the payment method to initiate the transaction.

Depending on the payment method, the customer enters the required information like card number, CVV, personal details, expiration date, PIN, etc.

The chosen payment method either redirects the customer to an external payment page or a bank's payment page to continue the payment process.

Payment authentication – The information submitted by the customer along with other details like payment information, customer's account information is authenticated by the operator.

The operator can be a [payment gateway](#) or any other solution involved. If everything gets authenticated positively, the operator reports a successful transaction.