



# Coding vs Website Builders

Pratik Solanki

Department of Information Technology, Keraleeya Samajam's Model College, Dombivli East, Mumbai, Maharashtra, India

## To Cite this Article

Pratik Solanki . Coding vs Website Builders. International Journal for Modern Trends in Science and Technology 2022, 8(11), pp. 62-66. <https://doi.org/10.46501/IJMTST0811011>

## Article Info

Received: 12 October 2022; Accepted: 02 November 2022; Published: 06 November 2022.

## ABSTRACT

*Web Development has become an important part due to growing field of Online Business and Blogs. With newer and increase in technologies Websites can be easily created on Web with platforms like WordPress, Wix , etc. whereas many people still prefer the traditional coding method to make websites. Websites Builders comes with prebuilt Themes and Templates which are easy to use while you can create personalize pages according to your needs in Coding. Each method has their own advantages and disadvantages. Design, Security, Updating, Time Consumption, Overall Cost, Resource, Responsiveness, etc. are some of the important aspects for web development and this document will help user in selecting which they should choose according to their needs.*

**KEYWORDS:** Design, Security, Updating, Time Consumption, Overall Cost, Resource, Responsiveness, Online Business, Blogs.

## 1. INTRODUCTION

With the growing world of internet having a website has endless list of advantages a Website is one of the most important feature a business can have. Maybe you have decided to take your business online or maybe want to write blog about your everyday life for this you will need your own or companies Website. Earlier if you wanted to build a website you need to know programming languages and make one for yourself using HTML. Through the years building website became more complicated with additional programming languages like CSS, JavaScript, PHP, etc. Fortunately newer technology like Website Builders came along, which allowed people to create websites without any Coding. Web development is the task associated with creating and maintaining websites that runs on a browser. Building a website needs trained professionals known as web developers or you can even do it yourself.

Web Developers often works for clients who wants to build a website. There are two major ways to build a website, first is the traditional method using Coding with HTML, CSS, JavaScript, etc. and the other is to build a website using Website Builders like WordPress, Wix, etc. Coding is the most traditional way to build a website it involves using multiple framework and languages like HTML, CSS, JavaScript, React.JS, Node.JS, MongoDB, etc. it is important part for anyone starting their Web Development Journey. Websites Build with Coding provides complete customization. Website Builders is a newer technology which can be used to build websites in a short period of time and in an effective manner. Websites can be built by simply using themes and plugins which complete most of the task and you can add the remaining content you need to your Websites by using various customization that is provided.

## STRUCTURE OF PAPER

The paper is organized as follows: In Section 1, the introduction of the paper is provided along with the structure, important terms, objectives and overall description. In Section 2 we discuss differences. In Section 3 we have some important features to be considered. In Section 4 we compare both the methods with some advantages and disadvantages. In Section 5 we have displayed the survey results and In Section 6, Conclusion of the research is provided.

## 2. DIFFERENCES

Coded Website are used to create static and dynamic Webpage. It uses coding language like HTML5, CSS, and JavaScript to build front end design and uses languages like JQuery, Node.js and Database like SQL, MongoDB for backend and Storage. Websites Made via Coding requires time and Efforts to learn and master. HTML5 gives content of the page, CSS gives the design and JavaScript is like the brain of the Website. A Website builder is a tool that allows you to create websites without having to edit any code. You can do everything by yourself. With the drag and drop tool you can simply choose a template and customize them according to your need.

Coded websites use traditional ways like using HTML, CSS, JavaScript and other Programming Languages. A text editor is used to code all the languages used to design a website. There are various text editor like Notepad, VS code, Sublime text, Atom, etc. These editors are free and used to build dynamic and static webpages. You can install extensions on text editor like VS Code, Sublime Text, etc. which are really useful to add more functionality.

### VS Code

VS (Visual Studio) Code is a source code editor that can be used with various programming language like Java, Python, C++, etc. VS Code includes multiple extensions allowing the software to use as free alternative for web development.

### Sublime Text

Sublime Text is a shareware cross platform source code editor. It supports various programming and markup languages. Its Functionality can be expanded using plugins. Sublime text has a number of additional features

like Auto Save, Spell Check Function, Customizable key assignments, etc.

Websites Builders are newer Technology there are platforms like WordPress, Wix, etc. that provides templates, themes, plugins, etc. that helps user to create website as per their choice. Website builders are typically tools that allow construction of websites without manual coding. They fall into 2 major category that is online proprietary tools provided by web hosting service companies and Application Software that runs on a computer which is used to create and edit webpages and then publish on any host.

### WordPress

WordPress is a Content Management System (CMS) written in PHP and paired with MySQL database with supported HTTPS. WordPress include features like plugin architecture and template system known as themes. WordPress was introduced as a blog publishing system but evolved to support other web contents like Online Stores. WordPress is a popular CMS, to start with WordPress it has to be installed on web server, either part of an Internet hosting service like Wordpress.com or Computer Software package WordPress.org

### Wix

Wix is a Cloud based Web Development Services. It allows us to create HTML and Mobile sites through drag and drop tools. Users can use applications for E-commerce, online marketing, contact forms, e-mail marketing and community forums for their websites. User can purchase the premium packages to connect their sites to their own domain, remove ads, adding e-commerce capabilities or to buy extra data storage. Wix provides customizable templates and drag drop featured HTML5 website builder that includes apps, fonts and other options. Wix also has a mobile editor that allows user to adjust their sites for Mobile. Wix market have both free and subscription based apps customer can integrate third party apps to their websites such as feeds, blogging, online community, etc. Custom JavaScript can also be inserted into Wix webpages.

## 3. SOME IMPORTANT FEATURES TO CONSIDER

### Designing

Designing is one of the key factor of Web Development. How the Web Page will look like, How the Images Will



Look like, How to align the text, Effects and many more come under designing. Designing is one of the main advantage of building a website through Coding. You can have infinite types of design and you can design just like you want. Designing just not only means look but also the visual hierarchy of the client. A good Design will attract more users. A Website Builder have thousands of free templates that are readily available and can be customized as per your need. As we know Designing is one of the key factor of a website, Website builders focuses on improving the websites designs and provide more customization to the Users. Having similar websites with different content would not satisfy the purpose and hence design is very important and even with same content websites can be more effective and better in different Design.

#### **Security**

Security is always a concern when it comes to anything nobody would like to see their data get stolen or attacked by a hacker. Coding is always more secure, Your code isn't naturally more secure in fact it may be worse but Website Builder uses the same code for Security which become an easy target for hackers. Economically hacking every template site by Website builder may be worth it but hacking your code probably isn't.

#### **Responsiveness**

Responsiveness is one of the crucial part while making a website. Each and every page should be responsive. Responsiveness means a webpage is designed in such a way that it can be viewed everywhere in desktop, mobiles and tablets. Earlier people used to browse on the internet through desktop but now most of the people view the websites on their Mobile. In Coded Website responsiveness is build using CSS and Bootstrap. CSS is developed for designing webpages and Bootstrap is a framework used in making websites responsive. Websites Builders are best in case of responsive, they have templates that are made in a way that works perfectly to any screen resolution. It automatically adjust itself according desktop, mobiles and laptops. Responsiveness Plays an Important role in Designing as Design is mainly taken into consideration.

#### **Search Engine Optimization**

Search Engine Optimization is an emerging topic. SEO is used in ranking Webpages in Search Engine like Google. In Coded Websites SEO is not inbuilt you have to build and add SEO to you webpage. You can make

your webpage SEO friendly by improving tags, optimizing the websites, having regular content on your webpage so that it remains fresh and more people visit your Website. You can add SEO keywords in your code which helps in mapping keywords. In Website Builder SEO is also given importance but is not as good as Coded Websites. Each template are made with SEO although these are different as per the topic but they act important and help in increasing the websites rank.

#### **4. CODING VS WEBSITE BUILDERS – WHICH IS BETTER?**

Coding and Website builders are the most popular options while creating a website both come with their own Advantages and Disadvantages

##### **Advantages of Coding:**

**Complete Ownership and Customization** - Coding Allows user to have full control over their website. You can customize every aspect of the website to look and function exactly how you want. This isn't possible with Website Builders where you have to rely on Templates.

**SEO** - Ranking of any business on Google make huge difference in growth of the business. Coded Websites have better SEO. Search Engine Optimization should be properly set up for better ranking.

**More Secure** - Websites through coding are less prone to hacking or attacks. On the other hand, Website builders having similar codes make it more attractive target.

##### **Disadvantages of Coding:**

**Time Consuming** - One of the major disadvantage of Coding is that it is Time Consuming. It takes time to learn coding and it takes time to build a website. Even if you decide to hire a developer they might not be able to complete it on time

**Cost** - Coding can actually be a costlier option since you may need to hire a professional web developer it could be a barrier for small businesses.

##### **Advantages of Website Builder:**

**Easy To Use** - A Website Builder is designed as user friendly compared to Coding. It does not require any coding knowledge and there is very low chance of error because you aren't coding anything.

**Easy To Design** - A huge advantage to website builders are its designing options you can simply drag and drop different elements. There are lots of templates to choose from and you can edit as per you need.

**Customer Support** – Most of the Website builders have excellent customer support. There might be times when

you need help with a problem or have questions about how to use certain feature. Most of the Website builders provide 24/7 customer support.

**Disadvantages of Website Builder:**

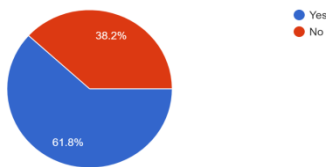
**Security Vulnerabilities** - One of the weak points of Website Builder is its Security against hackers. If you do not personally check your website for possible risks the security can be compromised.

**Limited Capabilities** - Website builders have limitation on what they can do you have to check if the Website builder has the capability to add a new feature, you can't add it yourself.

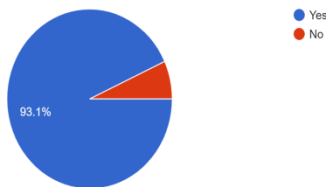
**5. SURVEY RESULTS**

So we asked some coders and non-coders few questions related to the topic here are the results:

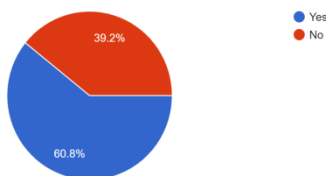
Are you Familiar with Coding?  
102 responses



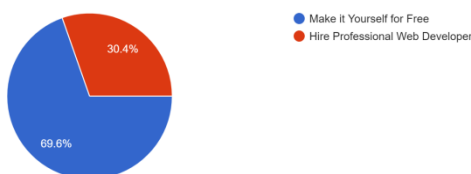
Do you know what is HTML?  
102 responses



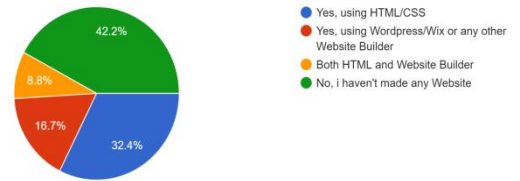
Do you know about Wordpress, Wix or any other Website Builder?  
102 responses



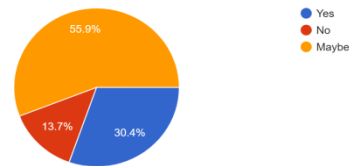
If You wanted to build a Website what will you prefer?  
102 responses



Have You Ever Made a Website? If Yes, which method did you use?  
102 responses



Do You Think Platforms like Wordpress are the Future of Web Development?  
102 responses



**6. CONCLUSIONS:**

As said Earlier both Coding and Website Builder have their pros and cons. Both Coding and Website Builder provides amazing Features, here are some points to help you:

**Necessity** - Think about your business needs if you want to have a simple website with information like restaurant hours, menu, contact details you may not need advanced functions that comes with coding.

**Priorities** - Consider your priorities everyone has their own set of priorities think about the most urgent needs and highest priorities for your business.

**Timing** - Note how much time you have if you want it as soon as possible website builder might be better option.

**Budget** - Think about the cost you are ready to spend if are ready to spend more for a better product coded website is your way to go.

**Personalization** - If you want to create a beautiful and unique Website Coding will give you the results Since Website builders have similar and limited customization

When creating a Website users have option to choose either Coding or Website Builders. User can decide which one is better for them depending on what they need, there knowledge in coding and their preferences. For those who have little or no coding knowledge a Website builder is a pretty good option. However if money is not your concern and want better results Coding Website is a good choice.

Coding allows endless possibilities the drawback to that is you really need to know coding and it takes lot of time but if you have the budget you can hire a Web Developer which is worthy investment for a growing business. On the other Website Builders don't offer much Customization but its User Friendly, requires no coding knowledge and also requires less time which is valuable for small business.

#### **Conflict of interest statement**

Authors declare that they do not have any conflict of interest.

#### **REFERENCES**

- [1] [https://www.w3.org/wiki/The\\_web\\_standards\\_model\\_-\\_HTML\\_CSS\\_and\\_JavaScript](https://www.w3.org/wiki/The_web_standards_model_-_HTML_CSS_and_JavaScript),  
[https://en.wikipedia.org/wiki/Website\\_builder](https://en.wikipedia.org/wiki/Website_builder)
- [2] <https://en.wikipedia.org/wiki/Wix.com>,  
<https://en.wikipedia.org/wiki/WordPress>
- [3] <https://www.namecheap.com/guru-guides/website-builder-vs-coding-pros-and-cons/>
- [4] <https://digital.com/best-website-builders/website-builders-vs-coding-yourself/>
- [5] <https://ninjasites.com/coding-vs-website-builder/>

\*