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**CHALLENGES FACED BY WEB DEVELOPERS**

1. Setting Goals

There are many challenges in web development. The first thing you have to overcome in a project is to clearly define your goals. Goals can affect or reduce the quality of your website or web application. Starting with a specific goal simplifies the process and allows developers to focus on the right direction.

Developers need to have well-defined and specific goals based on the vision behind the web application. Knowing how websites and apps add value to your users can help you get your project on track.

Once the goals are set, make sure that developers and team (everyone) are involved in the business on the same page to discuss the goals with the team, if it makes sense to do so.

2. Designing and UI (User Interface)

The first thing that catches the viewer’s attention is usually an attractive design. People like to interact with attractive designs as well as web development. Everything created for marketing should be of high quality. This allows you to increase user engagement and conversions. For this reason, good web design is essential for any website or app.

The attractive user interface can continue to attract users for a long time. Therefore, the user interface should be simple and unique. This allows users to get a quality user experience. The responsive user interface includes clear navigation, easy-to-read text, and compelling graphics. With an attractive design, you can not only retain old customers but also attract new ones. Keep in mind that the UI is the most basic aspect of web development and can act as a bridge between the user and the web application.

Creating an attractive design is important, but it’s not easy. It requires creativity and a detailed understanding of UI / UX design, programming languages, and developer skills.

3. Speed and Performance

Search engines can provide Google users with thousands of results by searching for just one word. With so many sites to choose from, users don’t have to wait for the site to load. If it takes too long, you will be taken to another search result. For this reason, slow loading speeds can cause serious damage to viewers and businesses.

The load time should not exceed 3 seconds. Otherwise, users may lose interest and leave the site. Improving the speed and performance of your website or application is one of the biggest challenges for developers.

4. Working Frame and Knowledge Required

There are some frameworks, programming languages, and equipment to be had withinside the net improvement industry, for constructing net apps. Selecting the proper form of equipment and frameworks can sound easy, however, this is an undertaking many builders fail to apprehend withinside the early ranges of improvement.

What you need depends on your goals and requirements, as well as your developer’s knowledge of frameworks and other programming tools. Complex problems can require complex tools. However, simple web development projects such as blogging can be run on platforms such as WordPress.

Apart from that, the expertise of the programmer can also affect the overall development of the project. Lack of skill and creativity is another challenge that can be solved by choosing a highly skilled programmer.

**EXAMPLES OF WEBSITES AND THEIR ANALYSIS**

1. Business

Purpose

To inform prospective clients and consumers about your business and entice them to work with you

Features

explanation of services

company bio (typically the About page)

company basics (address, phone number, email, etc.)

mission statement

address pain points and present value statement

call-to-action for working together

2. Ecommerce

Purpose

To sell items online with a conventional retail method.

Features

production gallery with high-quality images

product pages

secure checkout/transaction capabilities (with SSL certificate)

account personalization options (wishlists, saved orders, profile pages, etc.)

3. Blogs/news

Purpose

To educate or inform the visitor about current events or specialized knowledge (like this article about web design on our 99designs blog).

Features

article catalogs

dedicated pages for each article

categorization or tags for convenient browsing

payment gateways and account capabilities, if applicable

5. Service provider (streaming, online tools, etc.)

Purpose

To offer a complete online service, such as streaming or online tools like search engines, spell-checkers, photo editors, or translators.

Features

easy-access to the tool

payment options for subscriptions

accou

7. Wiki/database

Purpose

To provide a wide berth of information and act as a reference guide.

Features

large number of pages

easy and effective search functions

account capabilities for users to edit and create their own pages (optional)

References

Computerstudyguide.com

[www.cynoteck.com](http://www.cynoteck.com/)

99designs.com