



Comparative Analysis of CSS Framework

Bootstrap and Bulma have some differences when it comes to how they handle things like making websites look good on different screens, arranging elements on a page, customizing styles, and the variety of stuff they offer for building a website.

Bootstrap is really good at making websites adapt well to different screen sizes. It has a structured way of setting up how things look, almost like using a grid, which gives a lot of control over where things go on a page. But if you want to change how things look a lot, it might get a bit tricky and need more knowledge about how websites are styled.

Bulma is also good at making sites look good on different screens, but it does it in a different way. It's more flexible in how things are arranged on a page, which might feel less organized for some people. It's easier to change how things look with Bulma, and it's built to be more customizable right from the start.

When it comes to customizing how things look, Bootstrap has a bunch of pre-designed stuff that you can use, which is handy. But changing those designs a lot might be hard and need some extra knowledge. Bulma is more about making it easy to change how things look without fighting with what's already there.

In terms of what they offer to build a website, Bootstrap has a lot—tons of elements and ready-made designs. Bulma has fewer of those, but it still covers the basics well. So, Bootstrap might be better if you want lots of options right away, while Bulma might suit you if you like starting simple and customizing things more easily. Both have their strengths, depending on what you're comfortable with and what kind of website you want to create.

Development Process

While developing my website using bootstrap framework, I'm trying to familiarizing the bootstrap documentation. I try the examples but not all the examples because there's no time. I only try what I need to build my website where is the modal is the first because I have little bit knowledge about modal. I use the grid system where it involves the container and the grid. I also incorporate the navigation bars, buttons and forms.

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Challenges faced

As someone that is new to developing websites with Bootstrap, I encounter a few challenges. Firstly, understanding Bootstrap's grid system and responsive design can be a bit tricky initially. Figuring out how to arrange elements using columns, rows, and breakpoints for different screen sizes takes some practice.

Solution Implemented

To address the challenges faced while using Bootstrap for website development, several solutions can be implemented. Better to understand Bootstrap's grid system, engage with Bootstrap's grid examples and documentation actively. Build simple layouts initially, gradually adding complexity with different column sizes and breakpoints, applying these concepts directly to your project for a hands-on learning experience.

Use Bootstrap-focused forums, video tutorials, and online tutorials as learning resources. Engaging in active engagement in developer communities or forums can provide insightful advice and solutions from seasoned developers, which can help overcome particular obstacles that arise during the development process. By using these methods, website developers can navigate and successfully address obstacles while fostering a more comprehensive understanding of Bootstrap.

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