IARJSET ISSN (O) 2393-8021, ISSN (P) 2394-1588

International Advanced Research Journal in Science, Engineering and Technology

ISO 3297:2007 Certified ⁜ Impact Factor 7.105 ⁜ Vol. 9, Issue 6, June 2022

DOI: 10.17148/IARJSET.2022.96132

FULL STACK WEB DEVELOPMENT

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Abstract: This paper identified the understanding of recycling system. This paper identified the understanding of recycling system. This system places a strong emphasis on establishing a secondary market to offer recycling services and collect waste in a way that helps to control environmental issues.

GoRecycle is provide service for selling wastage products and earn from them. Wastage products like Electronic devices, such as a refrigerator, TV, phone, washing machine, etc., as well as mechanical ones, such as a car or scooter, or fast food sold in plastic containers or bottles, etc.

It also provide Business Facility for doing Business offline to online in digital plateform. Main aim of GoRecycle is save environment and reduce the intermediate broker chain. In future our mission will provide selling of recreated product with lower cost

1. INTRODUCTION

In general, the phrases "front end" and "back end" relate to the beginning and closing phases of a system, respectively. The frontend is in charge of gathering user input in a variety of forms and processing it to make it compliant with a specification the backend can use. The frontend serves as a user interface for the backend.

The basic justification for using a front end is to subject all processing tasks to this front end, which interacts with users and enables them to use various system features. Keeping all the data at the base-back for retrieval, processing, and result means taking the back end.

Fig 1. Full Stack Web Development

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2. FRONTEND

2.1 JAVASCRIPT

The most used client side programming language is JavaScript. This implies thatJavaScriptcodeiswrittenintoanHTMLpage.JavaScriptcanbeusedinothercontexts than a webbrowser. A programming language which can be used is called JavaScript. include on webpages to make them moreinteractive. You can use it to edit or check form content, open new windows, change images, and add dynamic website content. Even creating DHTML using it and CSS is an option (Dynamic Hypertext Mark-up Language). This allows you to make parts of you web pages appear or disappear or move around on the page.

2.2 HTML & CSS

Cascading Style Sheets (CSS) are a W3C standard for specifying how web publications should be presented.
CSS is a language used to describe the appearance of Web pages, including their colours, layout, and fonts. It makes it possible to modify the presentation for
The the vocabulary used to describe the presentation of Web pages, including their colours, design, and fonts, is called CSS.
It enables the presentation to be adjusted for use on many sorts of devices, including printers, tiny screens, and huge screens. CSS can be used with any XML-based markup language and is not dependant on HTML.
The visual elements of presentation, such as typography, colours, alignment, layout, and so forth, are the primary focus of this book.
These kinds of style instructions can be given to elements in an XML language-marked document, such as XHTML, HTML, or any other, using CSS.

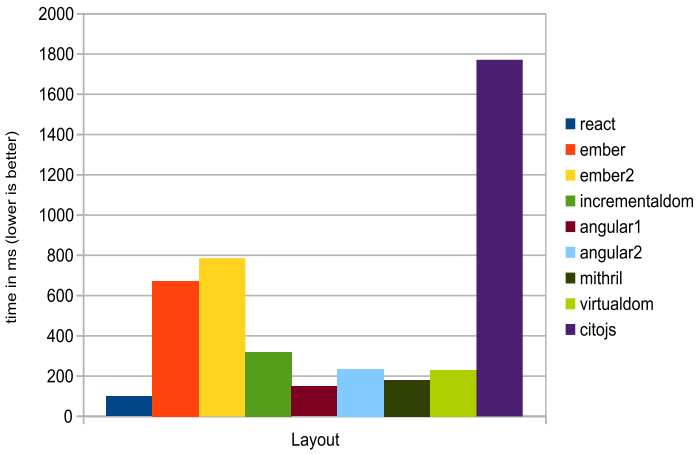

Fig 2. A composite of the Auth0 performance benchmark tests.

2.3 JQUERY

JQUERY is a cross-browser JavaScript library developed to facilitate client-side HTML coding.
JQUERY is a JavaScript cross-browser library designed to make client-side HTML coding simpler.
JQuery is open source software that is available for free and is licenced under both the MIT License and the GNU General Public License, Version 2. The syntax of JQUERY is made to make it simpler to move around documents, choose DOM elements, construct animations, manage events, and create Ajax applications. The JQUERY library's modular design enables the building of robust dynamic web pages and online applications.
JQUERY's goal is to make using JavaScript on your website considerably simpler. JQUERY also makes several of JavaScript's complex features simpler, including AJAXcallsandDOMmanipulation.TheJQUERYlibrarycontainsthefollowingfeatures: HTML/DOM manipulation.

2.4 WHY TO USE JQUERY?

Developers find jQuery intuitive and easy to learn -- this library is built on shorter, simpler code, after all. With simple syntax and open coding standards, developers can shorten the time it takes to deploy an application or site.
In addition, developers don't have to be experts in programming or Web design to create great styles for their sites. Any developer who has spent hours coding and testing CSS files will surely appreciate the simple implementation that jQuery

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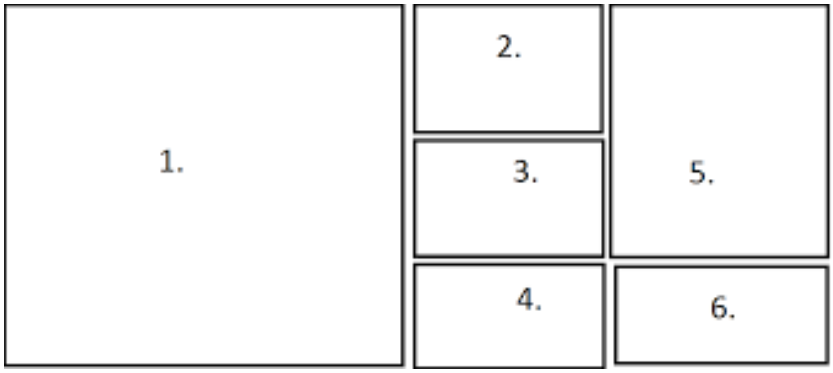
brings to the table. There's also a set of robust that developers can plug into their websites. jQuery uses a combination of CSS, HTML, JavaScript, and AJAX. These are all markup-based technologies that are meant to work well together. This means you can apply an optimization strategy to your site without having to make special adjustments for technologies like Flash. Bottom line: You can achieve great-looking effects that will keep your audience engaged.

2.5 FRONT-END APPLICATION

Part of the outdated app was completely upgraded to BootStrap The app contains a collection of key items with small items included.

The grid structure of the app are as shown in the below diagram.



2. A composite of the Auth0 performance benchmark tests.

3. BACKEND

3.1 PHP

In order to bridge the gap between Perl and SSI, the computer language PHP was developed specifically for the web environment (Server Side Includes). Its primary application is the creation of web pages with dynamic content. PHP has gained popularity recently and is currently one of the pioneers of the Open Source software movement. Its success can be attributed to its simplicity and C-like syntax.

A static webpage can become dynamic thanks to PHP. An acronym for "PHP: Hypertext Preprocessor" is "PHP". The term "preprocessor" refers to the fact that PHP modifies data before an HTML page is generated. This makes it possible for developers to make strong software that can run websites like Wikipedia or Wiki books, write blogs, or remotely manage hardware. Of course, a database programme like MYSQL is required in order to achieve something like this.

To create the webpage, a web server with a PHP processor chip translates PHP code: To manage information, PHP scripts can be directly inserted into the Basic html code rather than interacting with an external file. In addition, it has advanced to include an interface feature and can

4. STUDY BY COMPARESION

COMPARE	NODEJS	PHP
CONTEXT SWITCHING	Server-side	Server-side, Client-side
MODULES	PEAR framework	NPM package
FRAMEWORK	Cakephp, Laravel, Codigniter.	Express.JS, Derby, Meteor
DB	MySQL, MariaDB, PostgreSQL	MongoDB, CouchDB

5. CONCLUSION

So now you have a good idea of the MERN stack and its content. But is it higher than any other mass, say, LAMP, MEAN, etc. By all means, any of this storage is sufficient for most modern web applications. But MERN has its own special place. Ideal for web applications with a large number of pre-built connections. You may feel the same way with other stacks, but you will find that it is much easier to do so with MERN.

In React, the method of systematically producing HTML (actually DOM objects) uses JavaScript. So, not only do you avoid learning a new language, but you also get the full power of JavaScript. This is compared tothe language of the

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model, which will have its limits. Of course,you will need to know HTML and CSS, but these are not common languages, and there is no way you can avoid learning HTML and CSS (not just a tag, but a paradigm and structure).

Aside from the obvious advantage of not having to change content while writing clients with a different code, having a single language for all grades also allows you to share code between these. I can think of jobs that do business thinking, doing validation, etc. It needs to be done on the customer side to make the user experience better with more responsive user input. And they need to be done on the server-side to protect the data model.

No Mapping Object-Relational (ORM), which does not force object modeling in rows and columns, has no special code for serializing and de-serializing. The Object Document Mapper (ODM) mongoose-like can help enforce the schema and simplify things, but the fact is that it saves a lot of code for converting data

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