

Business Listing Application Using Laravel Framework

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Abstract— Laravel is a PHP framework that combines the key features of PHP frameworks such as CodeIgniter and Yii with other programming languages such as Ruby on Rails. Laravel comes with a host of features that speed up web development. Business solutions built with Laravel are simpler to comprehend and maintain, resulting in a more manageable coding process. Laravel is utilised by over 20 million websites on the internet, and its clean and expressive syntax sets it apart from other frameworks. Laravel solutions were built with the purpose of making web development easier and faster. The goal of this project is to examine the key aspects of the Laravel framework and create a Business Listing Application utilising them. The application will be built using the laravel framework's functionalities.

Keywords— PHP, Laravel, MVC, Business Listing.

I. INTRODUCTION

Frameworks are useful technologies that help web developers do their jobs more efficiently. They give you a set of established design and development conventions that you can use on your website and adjust as needed. Let's pretend you're in the kitchen frying an egg. Your objective is to flip the egg, but you're not sure how you'll do it. You can either make your own or use an existing instrument, such as a spatula. Frameworks, on the other hand, are tools that help you avoid having to reinvent the wheel every time you need to construct a new website piece. Selecting the most appropriate and compatible web development platform is critical for creating a more scalable, feature-rich, and fully working application. To solve this, most developers use the Laravel framework, which is written in the PHP programming language. The Laravel framework is one of the most widely used web development platforms on the market. However, a range of programming languages are available for the development of specialised web apps. The Laravel

open-source platform, on the other hand, contains a variety of advanced features that make it the best framework available. The major goal of this app is to provide customers with a list of verified businesses that they can search for based on their needs. It will also enhance user traffic to the business, allowing it to thrive.

II LITERATURE REVIEW

We're working on a multi-vendor business listing software that anyone may use to promote their company. Businesses can enhance their user traffic by registering on this portal because users can quickly look for businesses that provide their required service and contact them directly. For the time being, we're concentrating on yacht service firms. Businesses will have their own profile page where they may display all of their information. Any person who is interested in using their service can send a direct message to the company. This portal's front-end is built in Bootstrap, and it's compatible with all screen sizes.

III PROPOSED SYSTEM

3.1 Designing a System

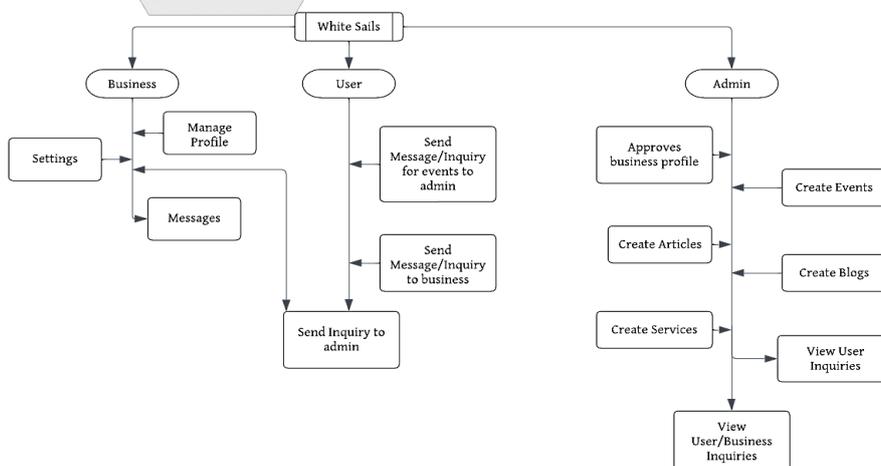


Figure: 3.1 Designing a System

3.2 System Overview

- a. Business: Users will be able to seek for and message businesses by looking up their information on this Application. In the Business panel, all received mails will be displayed. After admin approves business profile, it will be shown on the application. Businesses that have been rejected or blocked will not be displayed.
- b. User: If a user wants to use a business's services, they can contact them directly.
- c. Admin: Admin will be in charge of all data presented on the portal, such as articles, events, blogs, and services. Admin will accept, prohibit, or reject businesses based on the information they

submit. On the application, only approved businesses will be displayed.

IV. METHODOLOGY

4.1 Design Pattern

Model-View-Controller (MVC) is a design pattern that divides a programme into three logical components: Model, View, and Controller. Each architectural component is designed to manage a certain aspect of application development. MVC separates the business logic and presentation layers. On desktop computers, it was traditionally utilised for graphical user interfaces (GUIs). MVC architecture has been popular in web technology for creating online applications in recent years.

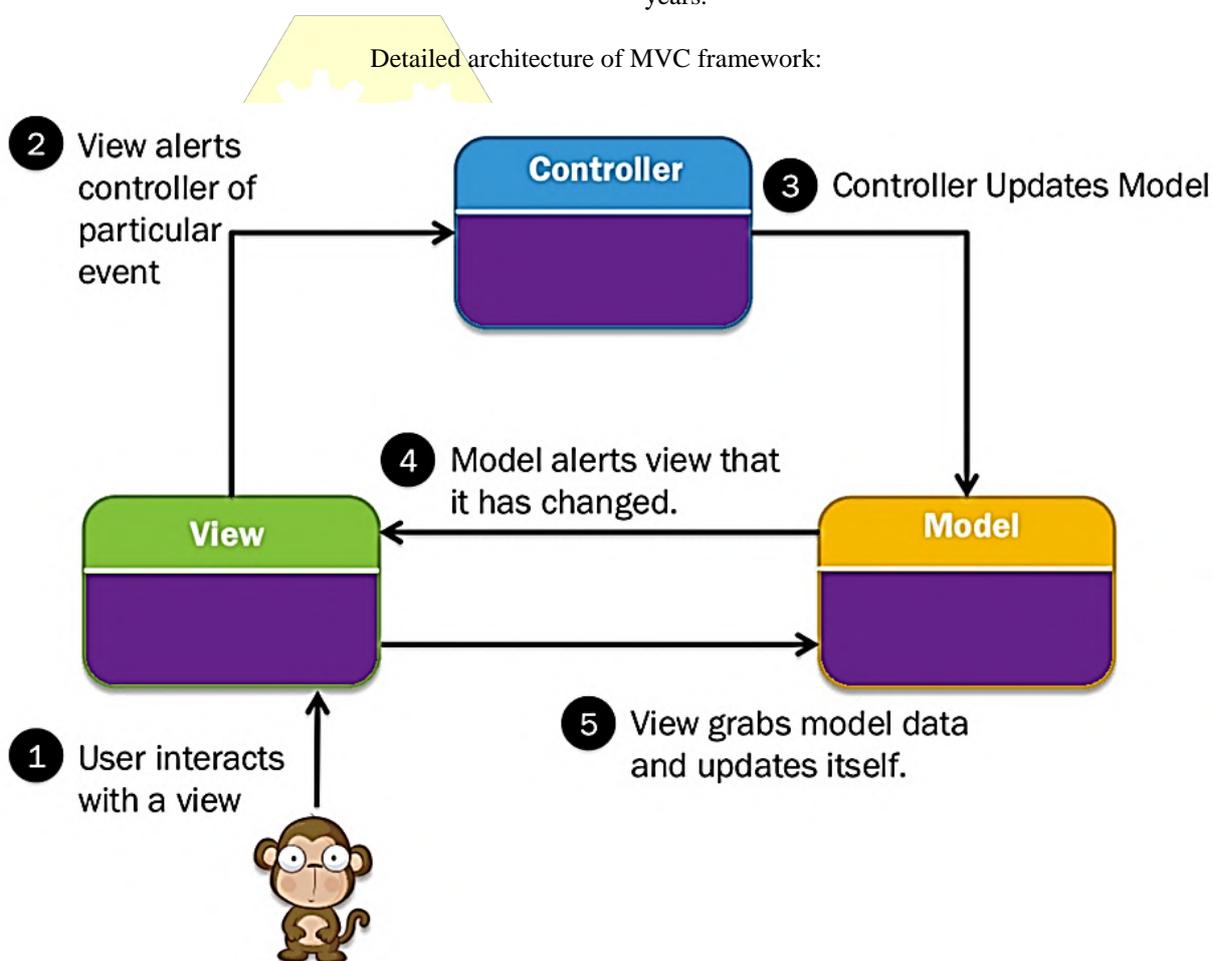


Figure 4.1: MVC

4.2 Advantages of using Laravel

Over 1.1 million websites worldwide are built using Laravel (Builtwith, 2019) and this number is continuously growing every day. Laravel is one of the only PHP frameworks whose interest has gone up in the past 5 years, making it a popular choice for many website developers and businesses around the world.

Symfony, Yii, Codeigniter, Phalcon, and many other PHP frameworks are available on the market for constructing strong online applications.

However, due to the convenience and flexibility it enables web developers, Laravel has remained at the top of the list of finest MVC-based PHP frameworks.

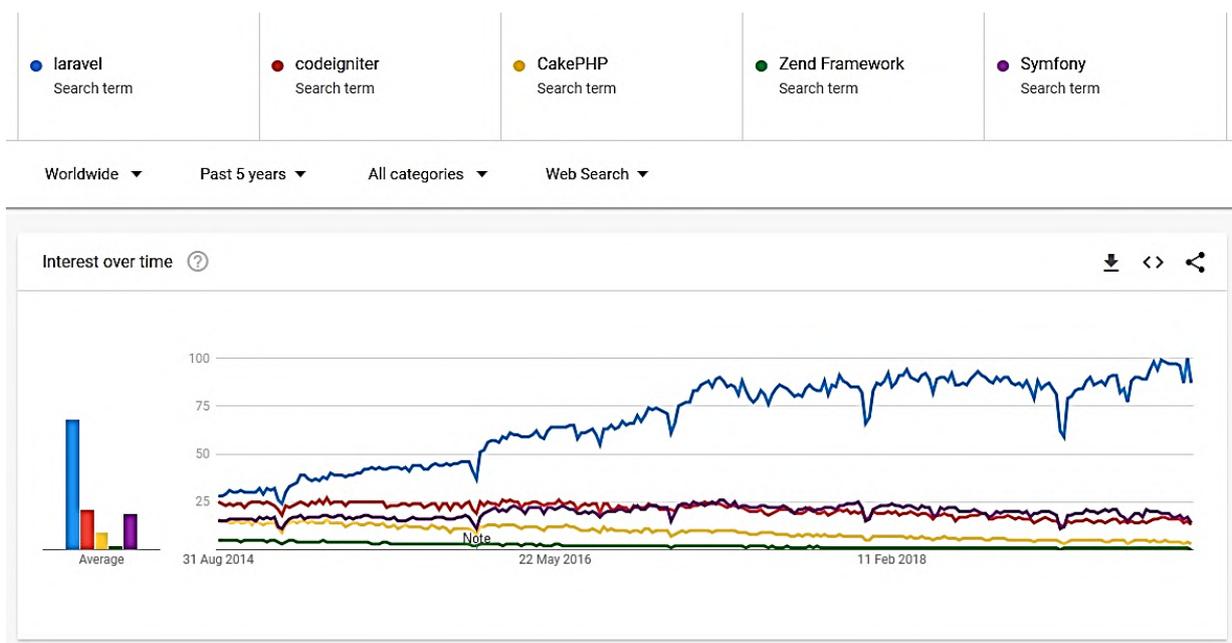


Figure 4.2: Growth of Laravel

4.3 Functionalities provided by Laravel

Its quick and easy.

Most web developers are already familiar with Laravel because it is the most popular PHP framework; not to mention the wide range of built-in templates that make development simpler and easier for developers.

This means that a talented Laravel developer might build a five- or six-page website in as little as two days. A short development phase means reduced costs and faster results for the business.

The importance of security cannot be underestimated.

Security is the most critical factor for most businesses. Most websites may easily implement advanced security measures in Laravel to boost security and protect them from hackers and cyber criminals. Laravel uses the Bcrypt hashing mechanism to ensure that no passwords are kept in the database. Laravel has superior user authentication and easy-to-create limited access features as compared to other PHP frameworks. This safeguards both your and your customers' information.

It's fantastic for handling traffic.

As your business expands, so will the amount of visits to your website. When compared to other frameworks, a website developed using Laravel can process website requests quicker.

Laravel has a one-of-a-kind message queue mechanism that lets you defer some website operations, such as sending emails, until later. Controlling time-consuming processes enables your website to complete tasks faster.

This not only maintains your website's server in good shape, but it may also help you save money on long-term hosting.

Third-party integrations are simple to set up.

Almost every website requires some sort of interface with a third-party programme. This might be a payment system, such as Stripe or Paypal, or a marketing tool that your firm uses. Laravel's straightforward APIs for integration make connecting third-party apps simple, regardless of the integration. Laravel is a great competitor whether your website requires a payment system or an automated marketing tool.

4.4 System Flow Diagram

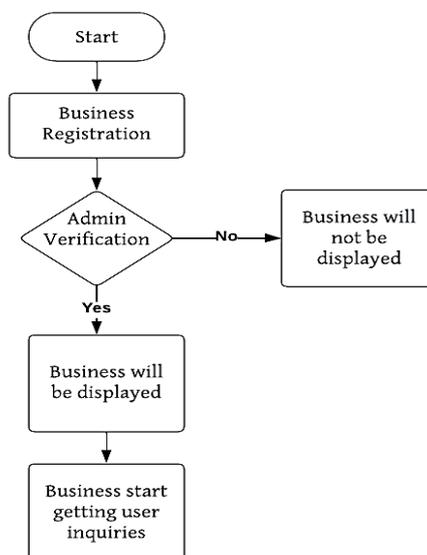


Figure 4.3: Flow chart of system

V. CONCLUSION

As a result, we include a multi vendor business listing application that assists businesses in increasing user traffic by completing a simple registration form that will assist them in growing their business. Using the Laravel framework would expedite development. It protects against a wide range of external threats. It also aids in the creation of a quick application. This work can be expanded further by implementing a limit on the amount of information displayed on this business profile on the application. Businesses can expand their services by paying a low fee.

For the time being, this product offers a free listing.

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Web links:

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- [5] <https://www.tutorialspoint.com/laravel>
- [6] <http://getbootstrap.com>
- [7] <https://laracasts.com>