

# LARAVEL COURSE PRESENTATION

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Batch: A

Enrollment No. : 23000023

Subject: PHP

Laravel Course Name: Laravel Framework For Beginners

# COURSE CERTIFICATE



# WHAT IS LARAVEL ?

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Laravel is a free, open-source PHP framework for building web applications. It's designed to make web development more enjoyable and creative by simplifying common tasks.

It was created by Taylor Otwell.



## PURPOSE OF LARAVEL:

### **Ease of use:**

Laravel is designed to make the development process enjoyable and creative. It's an open-source framework with a large community.

### **Scalability:**

Laravel can handle high traffic and complex functionality.

To get started with Laravel, you'll need basic knowledge of PHP, HTML, CSS, and JavaScript.

Laravel is a PHP framework that helps developers build modern web applications and websites.

# WHY CHOOSE LARAVEL ?

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## **Fast and Easy Development:**

Laravel helps developers build websites quickly because it provides many pre-built tools and features, so they don't have to start from scratch. This means less time coding the basics and more time focusing on what makes the website unique.

## **Rich Community Support:**

Laravel has a large and active community, meaning there are many tutorials, forums, and support resources available. If you run into issues, it's easier to find solutions and learn new tips from experienced Laravel developers.

## **Scalability:**

Laravel is highly scalable, which means it can support your web application as it grows. Whether you're building a small personal website or a large business application, Laravel can handle both effectively.

## **Great Documentation:**

Laravel has detailed, user-friendly documentation that makes learning and using the framework easier. This is especially helpful for beginners who need guidance on how to use Laravel's many features.

# LARAVEL FRAMEWORK FOR BEGINNERS

## MVC Architecture:

The MVC (Model-View-Controller) architecture is a software design pattern used in web development to separate an application into three interconnected components. Model, View and Controller.

### Model(M):

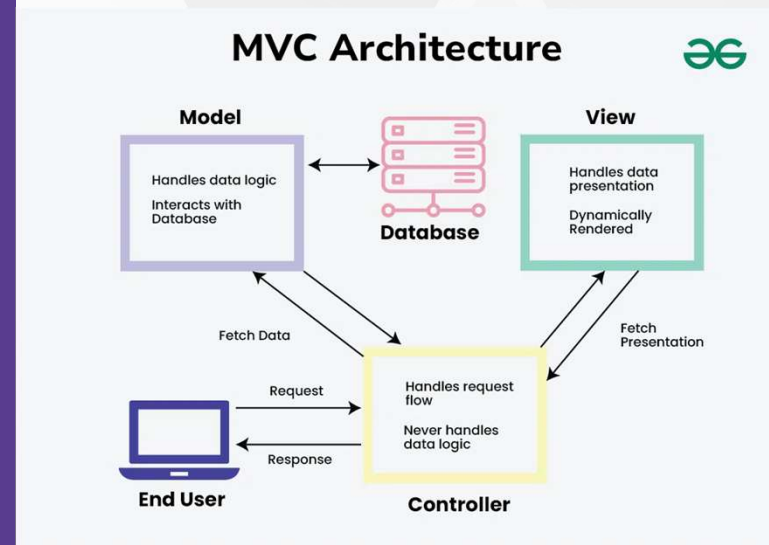
The Model represents the data and business logic of the application. It interacts with the database, encapsulating data access, manipulation and validation.

### View(V):

The View is responsible for presenting the data to the users. It comprises the user interface elements, such as HTML, CSS and sometimes JavaScript, that users interact with.

### Controller(C):

The Controller represents the data and business logic of the application. It interacts with the database, encapsulating data access, manipulation and validation.



# SIGNIFICANCE OF MVC IN LARAVEL

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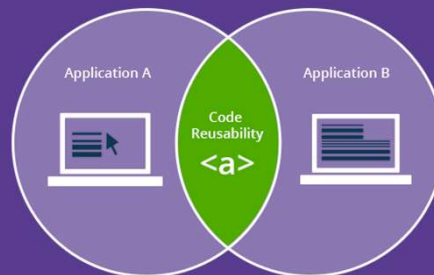
MVC pattern helps developers create well structured, organized and maintainable application.

## 1. Scalability:



By separating components based on their roles, MVC makes applications easier to scale.

## 2. Code Reusability:



View can be reused with different Controllers, and Models can be used across various application parts.

## 3. Maintainability:



MVC makes applications easier to maintain.

## Active Record

# INTRODUCTION

Active Record is a design pattern that provides an object-oriented interface for accessing and manipulating data stored in a database.

## Controller

# INTRODUCTION

A controller in Laravel is a class that handles user requests and defines the flow of an application

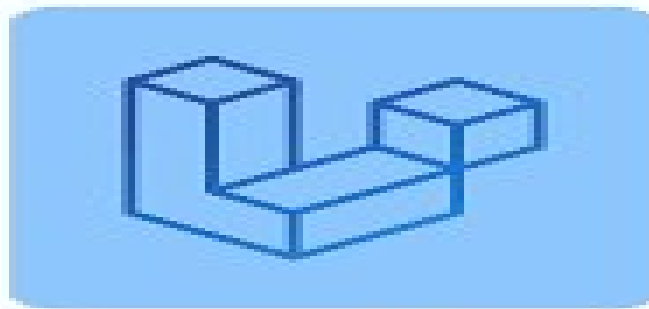
## CONCLUSION

Laravel aims to make the development process a pleasing one for the developer without sacrificing application functionality.

Laravel is a PHP framework that can be a good choice for beginners because it's easy to use and has many features to simplify web app development.







# THANK YOU



<https://laravel.com/>