



Laravel Course Presentation

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Program: BCA(SY)

Enrollment no: 23000330

Subject: PHP

Laravel Framework For Beginners

Course Certificate



introducing **LARAVEL**

Laravel is a powerful PHP framework based on MVC (Model-View-Controller) architecture. The Laravel Framework is used to develop complex Web Applications. Laravel can help a developer to develop a secure web application.

Laravel is a Full Stack Framework, Which helps a developer create Full Stack Applications.

Purpose:

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



Laravel
Popular PHP framework

Advantages of LARAVEL

Authentication: Laravel has a built-in authentication system that includes login, registration, and password reset.

Cost: Laravel is an open-source framework.

Community: Laravel has a large community of developers and companies that can provide support.

MVC Architecture

Model(M):

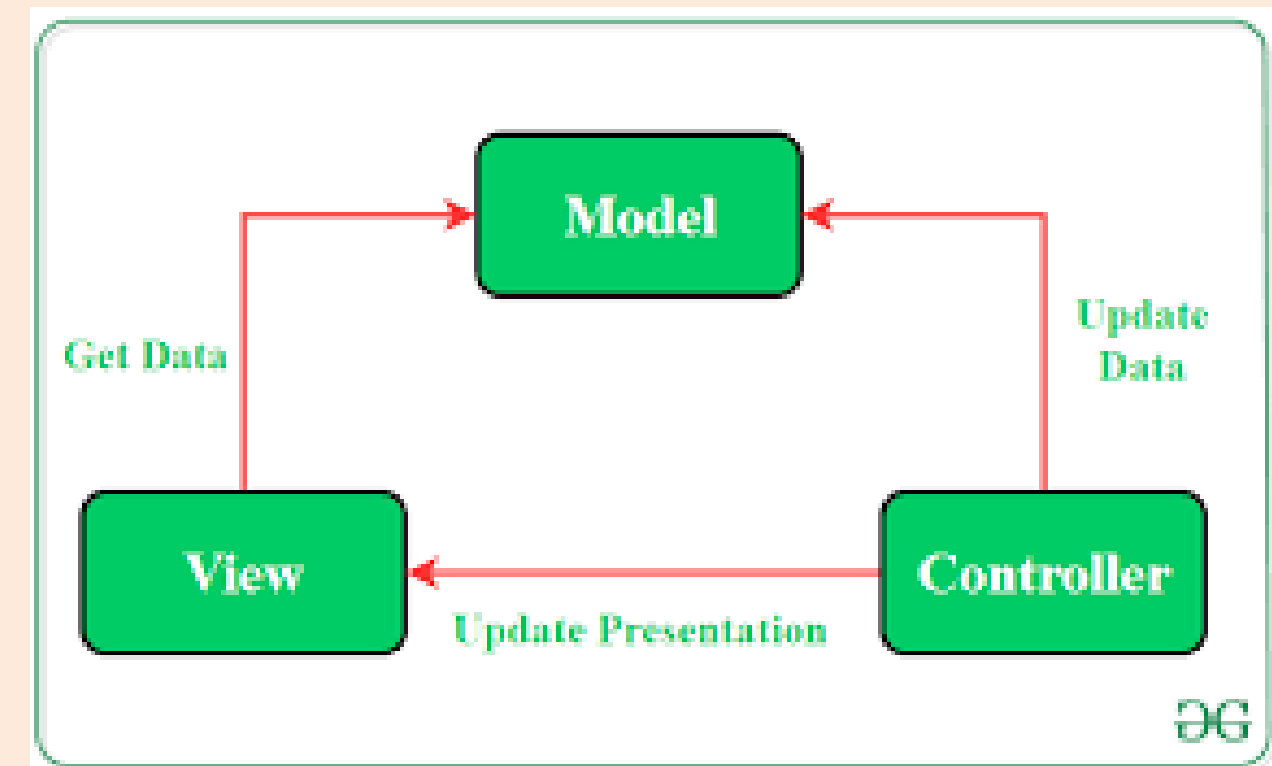
It interacts with the database.

View(V):

User Interface. It contains everything which a user can see on the screen.

Controller(C):

It helps to connect Model and View and contains all the business logic. It is also known as the “Heart of the application in MVC”.



Why MVC ?

It is mainly used to separate Application code into user interfaces, data, and controlling logic. It can benefit the developer to easily maintain the code which can help to make a development process much smoother.

Significance of MVC in Laravel:

Maintainability: It's easier to update and maintain code when it's well-organized.

Scalability: As your application grows, MVC makes it easier to expand.

Security: The in-built MVC architecture enhances the security of the applications.

Performance: The in-built MVC architecture improves the performance of web pages and web applications.

Active Record **INTRODUCTION**

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

In Laravel, migrations are a powerful and efficient way to manage database schema changes and version control for your application.

Migrations in
LARAVEL

CONTROLLER INTRODUCTION

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

CONCLUSION

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