

Laravel Course Presentation

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Batch: A

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Subject: PHP

Laravel Course Name: Laravel Framework For Beginners

Certificate of Course



What is Laravel ?

Laravel is a powerful and popular PHP framework that simplifies web development. It follows the Model-View-Controller (MVC) architectural pattern, which helps in organizing code and separating concerns.

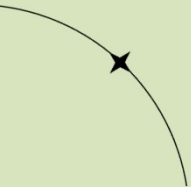
A Framework provides structure and starting point for creating your application.



Purpose and Advantages

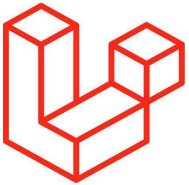


Purpose :

- **Simplifies Web Development:** Provides an elegant, readable syntax for faster and more maintainable code.
 - **MVC Architecture:** Separates business logic and presentation layers, improving organization and reusability.
 - **Security:** Includes built-in features for data protection, like encryption and SQL prevention.
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Advantages :

- **Scalability:** Laravel's modular architecture adapts to the specific needs of your project, whether small or large.
- **Enhanced Security:** Built-in security features protect against common vulnerabilities, ensuring a safe application.
- **Rapid Development:** Laravel's elegant syntax and pre-built components save time, reducing time-to-market.
- **Security:** Web Application Security is also considered to be important while the development cycle. But Laravel provides some feature that makes the application more secure.



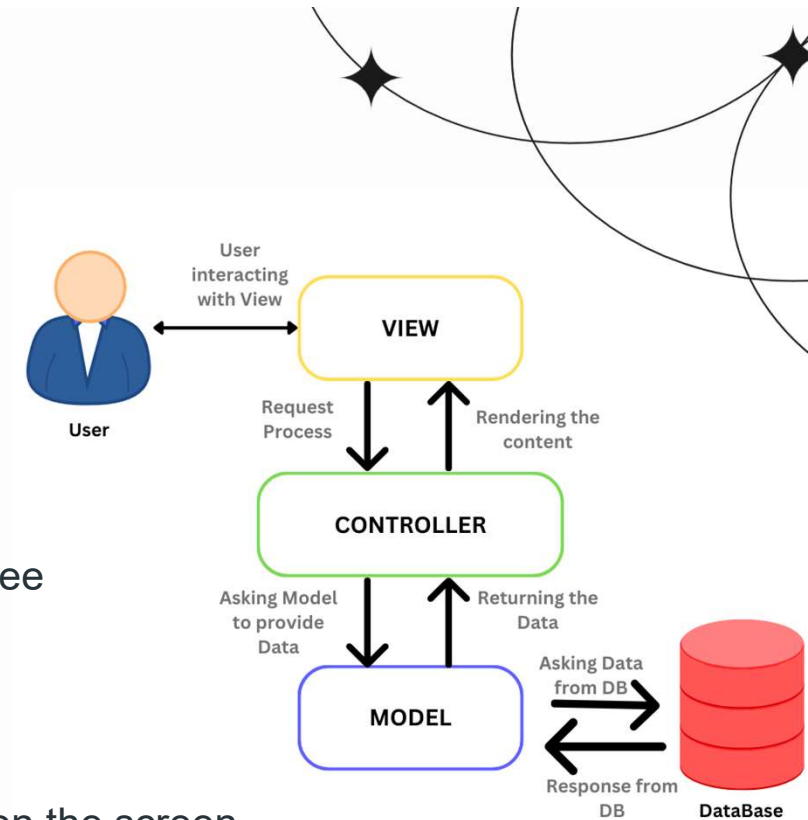
The Model-view-controller(MVC) Architecture

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

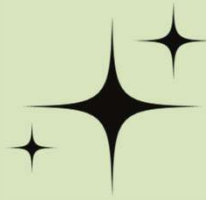
Overview of MVC :

MVC based framework mainly divides the whole application into three components:

- Model:** It interacts with the database.
- View:** User Interface. It contains everything which a user can see on the screen
- Controller:** 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**”.



Active Record Introduction

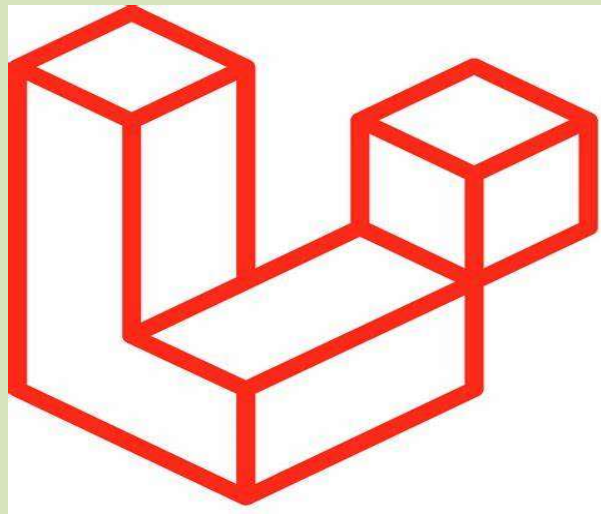


- Active record is a design pattern that provides an object oriented interface for accessing and manipulating data store in a database
- Laravels eloquent orm(object relational mapping) is an implementation of the active record pattern

Conclusion

- Understand Laravel Basics.
- Recognize key folders and their purposes.
- This saves time and effort, enabling them to create powerful applications more efficiently.
- Create models, views, and controllers.





Thank You

✉ <https://laravel.com/>