

ROUTES IN LARAVEL

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After Introduction to laravel and MVC Fundamentals, In Laravel, routes play a crucial role in defining the URLs of the web application. Unlike other frameworks, Laravel focuses on providing security and flexibility by allowing the specification of URLs without revealing the underlying file structure.

Composer and Environmental Setup

Composer, a PHP dependency manager, aids in creating frameworks. To check whether Composer is installed and set up in the environmental variable, the command ``echo %PATH%`` can be used. If not, the URL needs to be added to the Environmental Variables in the System Properties.

Creating a Laravel Project

Creating a Laravel project involves visiting the official website, choosing the desired project folder, and copying the command provided to initialize the project. If issues arise during project creation, adjusting the ``php.ini`` file by removing the semi-colon from ``;extension=zip`` may resolve the problem.

Today's Topic: Routes

Within the Laravel project, the ``routes`` folder contains four files: API, Channel, Console, and Web. This lecture focuses on the ``web.php`` file, which handles routes responsible for rendering views.

Basic Routing

In Laravel, basic routing is achieved through the ``Route::get`` method. This method allows the creation of routes that return specific view pages. The associated view pages are stored in the ``resources/views`` folder and always have the extension ``blade.php``.

Documentation Reference

For more detailed information on Laravel routing, refer to the documentation at [Laravel Documentation](https://www.tutorialspoint.com/laravel/laravel_routing.htm) (https://www.tutorialspoint.com/laravel/laravel_routing.htm)

Types of Routes Covered

1. Basic Routing
2. Route Parameters
 - Optional Parameters
 - Required Parameters
3. Named Routes

Parameters in Laravel

Parameters act as variables or containers used when creating functions. They provide flexibility and customization options within the application.

VSC Extensions for Laravel Development

- PHP IntelliSense (Damjan Cvetko)
- PHP Namespace Resolver (Mahedi Hassan)
- Laravel Extra Intellisense (amir)
- Laravel-blade (Christian Howe)
- Laravel Blade Snippets (Winnie Lin)
- Laravel Snippets (Winnie Lin)
- Laravel goto view (codingyu)
- Laravel Goto (Adrian)
- Laravel Artisan (Ryan Naddy)