

Name of Assignment:

Laravel Installation and Folder Structure Assignment

Part 1: Laravel Installation

Part 2: Laravel Folder Structure

Full Name: MD Saidur Rahman

Module: 13

Subject: Web Development with PHP & Laravel

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Part 1:

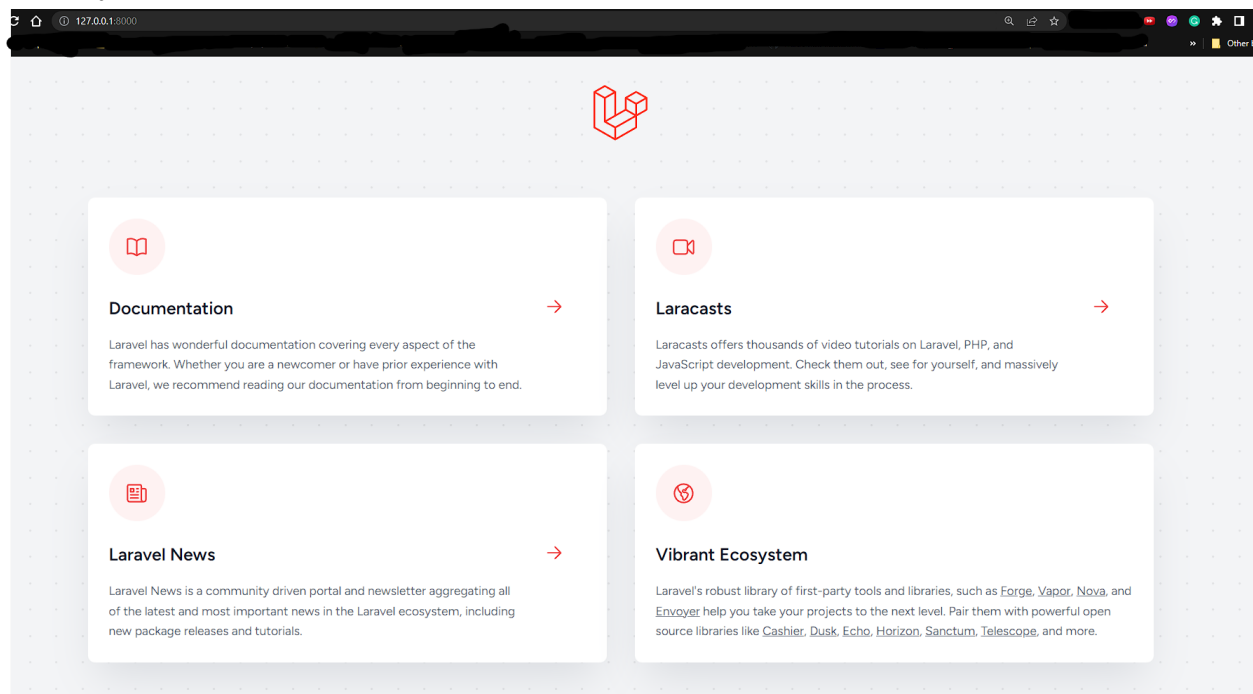
Laravel Installation To install Laravel, I followed the steps below:

Installed PHP and Composer via git bash as recommended in the Laravel documentation.

Installed Node and NPM.

Created a new Laravel project using the following command in the terminal: 'composer create-project laravel/laravel example-app' where example-app is the name of my new Laravel project.

After creating the project, I navigated to the project's root directory in the terminal and ran the following command to start the Laravel development server: "php artisan serve" I then visited the URL <http://localhost:8000> in my web browser, and I saw the default Laravel welcome page. I took a screenshot of the welcome page as proof that Laravel was installed and working correctly.



Part 2: Laravel Folder Structure

app: This folder contains the core of the Laravel application. It holds the controllers, models, middleware, providers, and other classes that define the functionality of the application.

bootstrap: This folder contains files that are used to bootstrap the Laravel framework, such as the `app.php` file which initializes the framework and the `autoload.php` file which loads the application's classes.

config: This folder contains configuration files for the Laravel application. It includes files for database connections, email settings, app settings, and other application-specific settings.

database: This folder contains the migrations, seeders, and factories for the application's database. It also includes the database configuration file, which defines the database connections.

public: This folder contains the entry point for the Laravel application, the `index.php` file. It also includes other static files such as images, JavaScript, and CSS files.

resources: This folder contains the views, translations, and assets (CSS, JavaScript, images) for the application. It also includes language files and other resources that are used by the application.

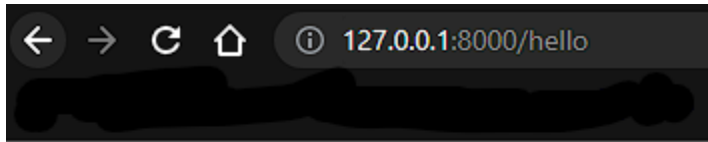
routes: This folder contains the routing configuration for the application. It defines the URL routes and maps them to the appropriate controller actions.

storage: This folder contains files generated by the application, such as logs, cache, and sessions. It also includes the app's file storage, which can be used to store files uploaded by users.

tests: This folder contains the unit tests and feature tests for the application. It also includes the test configuration file, which defines the testing environment.

vendor: This folder contains the third-party libraries that the application uses. It includes the packages installed via Composer, such as the Laravel framework itself, as well as any other external packages or dependencies.

Create a new route in your Laravel project that displays a simple "Hello, World!" message:



Hello, World!

along with a description of the steps i took to complete the assignment:

Step-1:

Laravel Installation:

- Check system requirements
- Install Composer
- Install Laravel using Composer
- Configure the environment variables
- Serve the application

Step-2:

Laravel Folder Structure

I went to Laravel's website to know about Laravel's folder structure, This link helped me to know Laravel Folder Structure:

<https://laravel.com/docs/8.x/structure>

Step-3:

Create a new route in your Laravel project that displays a simple "Hello, World!" message.

```
Route::get('/hello', function () {  
    return 'Hello, World!';  
});
```