Bicol University
COLLEGE OF SCIENCE
Legazpi City, Albay

WEB DEVELOPMENT LAB 1

(LARAVEL)

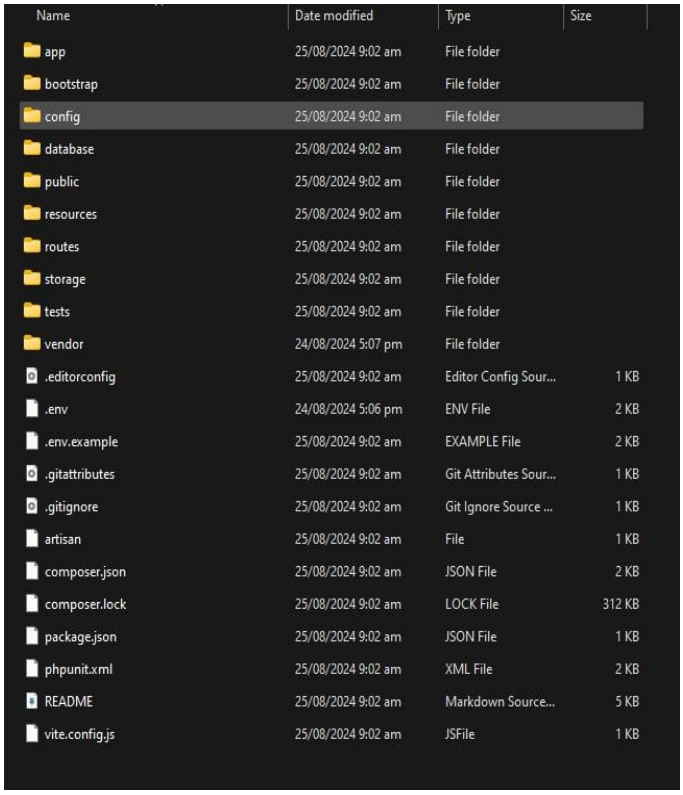
Submitted by:

Malbert Q. Colarina

Instructor:

John Paul Azore

KEY DIRECTORIES AND FILES IN LARAVEL PROJECT:



Name	Date modified	Type	Size
app	25/08/2024 9:02 am	File folder	
bootstrap	25/08/2024 9:02 am	File folder	
config	25/08/2024 9:02 am	File folder	
database	25/08/2024 9:02 am	File folder	
public	25/08/2024 9:02 am	File folder	
resources	25/08/2024 9:02 am	File folder	
routes	25/08/2024 9:02 am	File folder	
storage	25/08/2024 9:02 am	File folder	
tests	25/08/2024 9:02 am	File folder	
vendor	24/08/2024 5:07 pm	File folder	
.editorconfig	25/08/2024 9:02 am	Editor Config Sour...	1 KB
.env	24/08/2024 5:06 pm	ENV File	2 KB
.env.example	25/08/2024 9:02 am	EXAMPLE File	2 KB
.gitattributes	25/08/2024 9:02 am	Git Attributes Sour...	1 KB
.gitignore	25/08/2024 9:02 am	Git Ignore Source ...	1 KB
artisan	25/08/2024 9:02 am	File	1 KB
composer.json	25/08/2024 9:02 am	JSON File	2 KB
composer.lock	25/08/2024 9:02 am	LOCK File	312 KB
package.json	25/08/2024 9:02 am	JSON File	1 KB
phpunit.xml	25/08/2024 9:02 am	XML File	2 KB
README	25/08/2024 9:02 am	Markdown Source...	5 KB
vite.config.js	25/08/2024 9:02 am	JSFile	1 KB

KEY DIRECTORIES AND FILES:

1. **App**
    - console: contains Artisan console commands.
    - expectations: contains custom expectations.
    - Http:
    - Controllers: contains controllers that handle HTTP requests.
    - Middleware: contains middleware for filtering HTTP requests.
    - models: contains eloquent models for interacting with the database.
    - provider: contains service providers for binding services into the service container.

2. Bootstrap

- app.php: Initializes the Laravel application.
- cache: Contains framework-generated files for optimized performance.

3. config

- Contains configuration files for various parts of the application (e.g., app.php, database.php, mail.php).

4. database

- **migrations**: Contains migration files for database schema changes.
- **seeders**: Contains database seed classes to populate your database with sample data.
- **factories**: Contains model factories for generating test data.

5. public

- **index.php**: The entry point for all web requests to your application.
- **assets**: Contains publicly accessible files like CSS, JavaScript, and images.

6. resources

- **views**: Contains Blade template files.
- **lang**: Contains localization files for application translations.
- **sass**: Contains SASS files if using Laravel's built-in CSS preprocessor support.
- **js**: Contains JavaScript files if using Laravel's built-in JavaScript support.

7. routes

- Contains route definitions for the application:
    - **web.php**: Routes for web interface.
    - **api.php**: Routes for API endpoints.
    - **console.php**: Routes for Artisan commands.
    - **channels.php**: Channels for broadcasting.

8. storage

- **app**: Contains application-specific files (e.g., file uploads).
- **framework**: Contains framework-generated files like cache and session data.
- **logs**: Contains application log files.

9. tests

- Contains automated tests for your application:

- **Feature**: Contains feature tests.
- **Unit**: Contains unit tests.

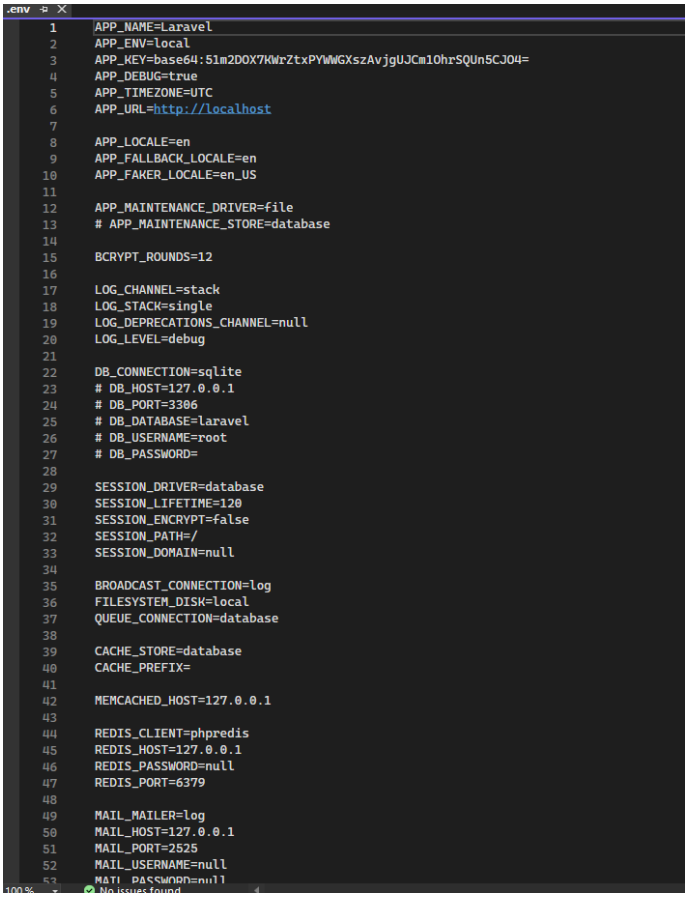
10. vendor

- Contains all third-party libraries installed via Composer. This directory is managed by Composer and should not be modified directly.

Key Files

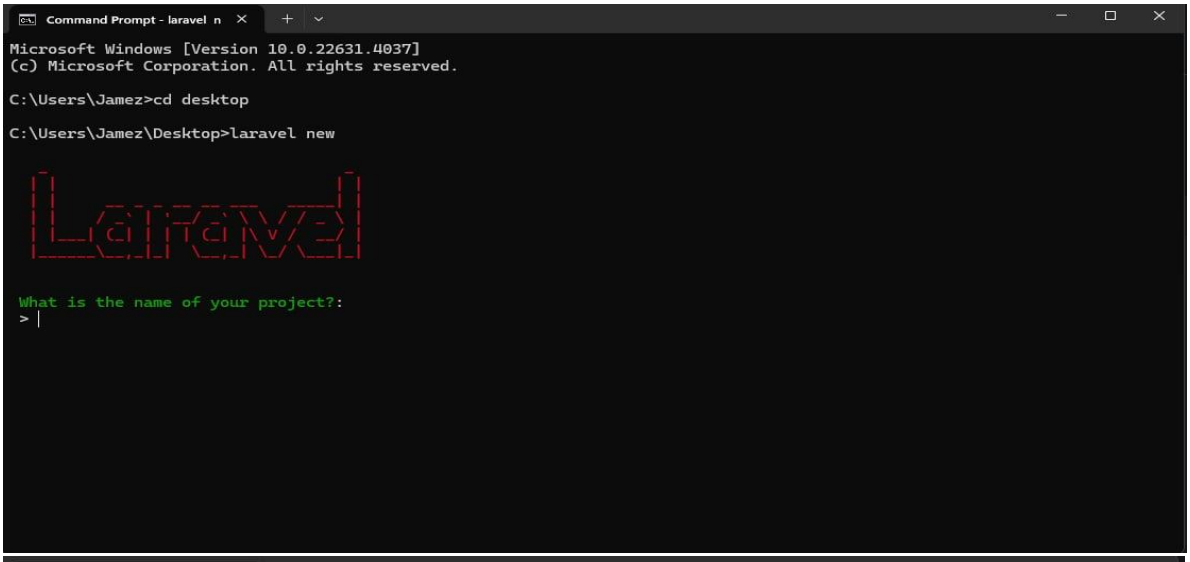
- **.env**: Environment configuration file for setting environment-specific variables (e.g., database credentials, app key).
- **composer.json**: Composer configuration file defining project dependencies.
- **package.json**: Node.js configuration file for managing frontend dependencies and scripts.
- **artisan**: Command-line tool for running various Laravel commands (Artisan CLI).
- **README.md**: A markdown file that typically contains project information and setup instructions.
- **phpunit.xml**: Configuration file for PHPUnit testing.

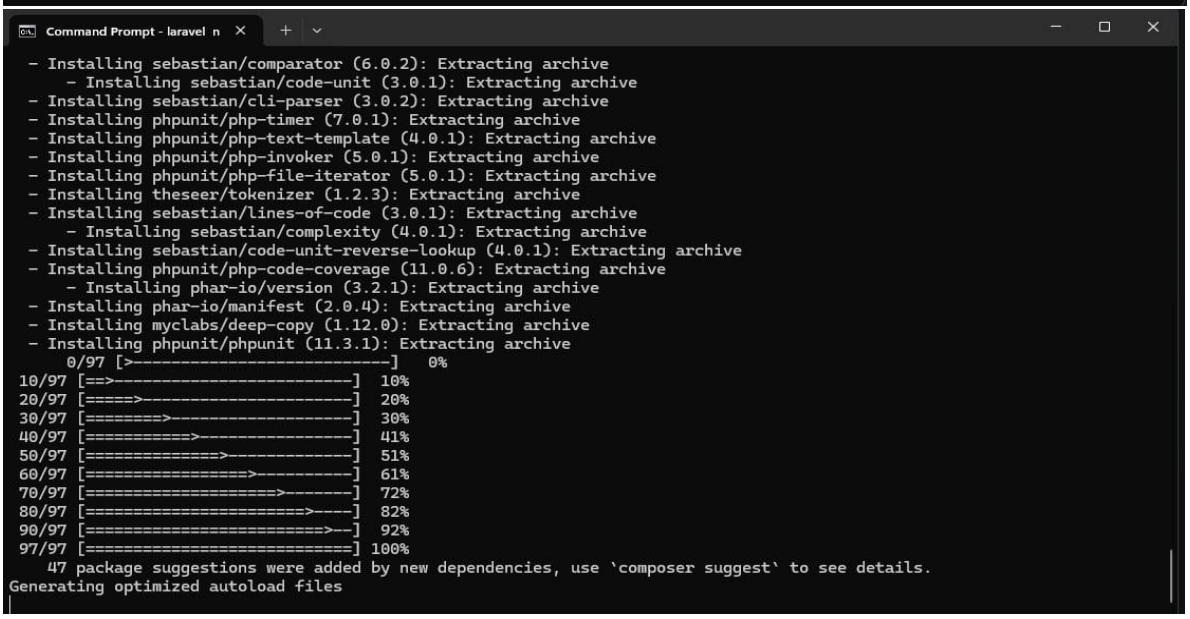
This is the .env file to include database connection details

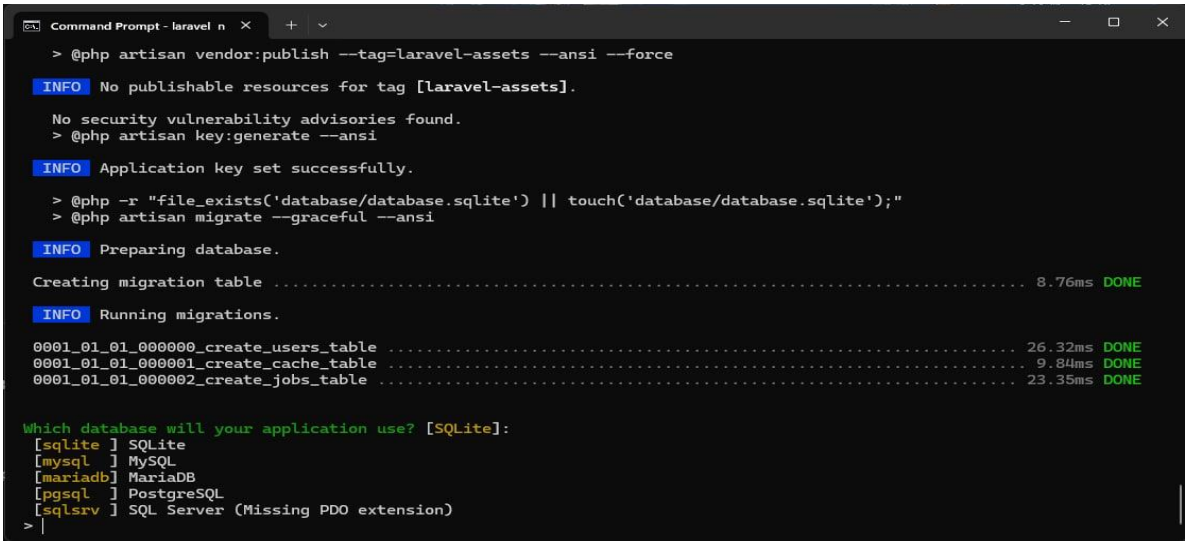


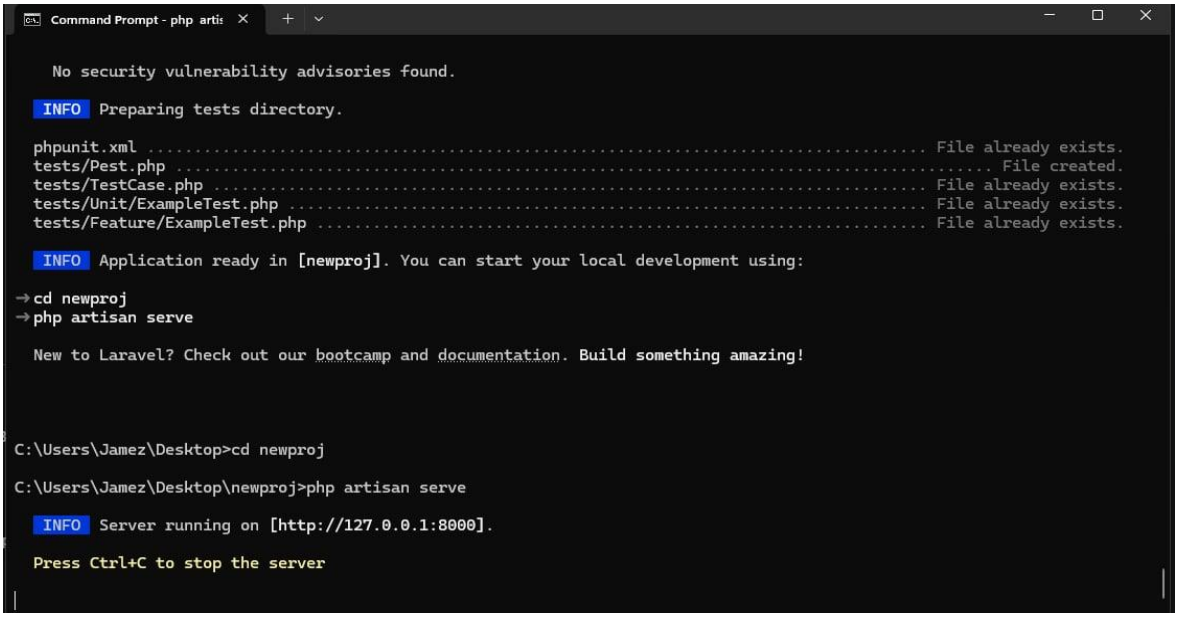
DOCUMENTATION OF STEPS FROM INSTALLATION TO NAVIGATION OF THE PAGES

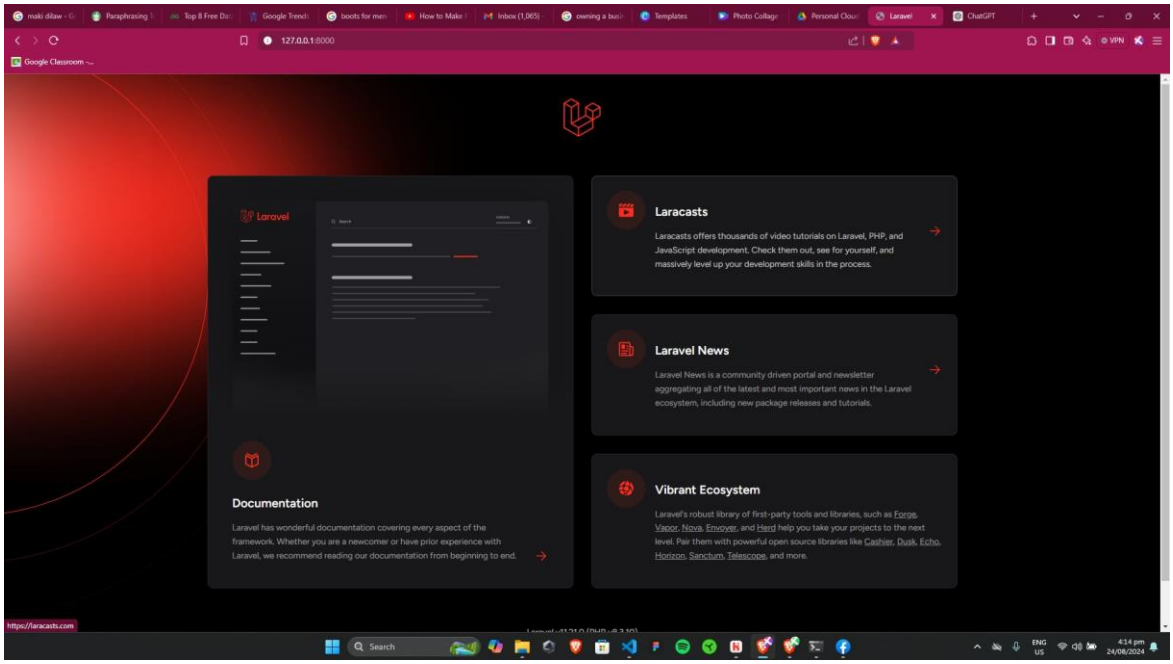
Setting up Laravel:



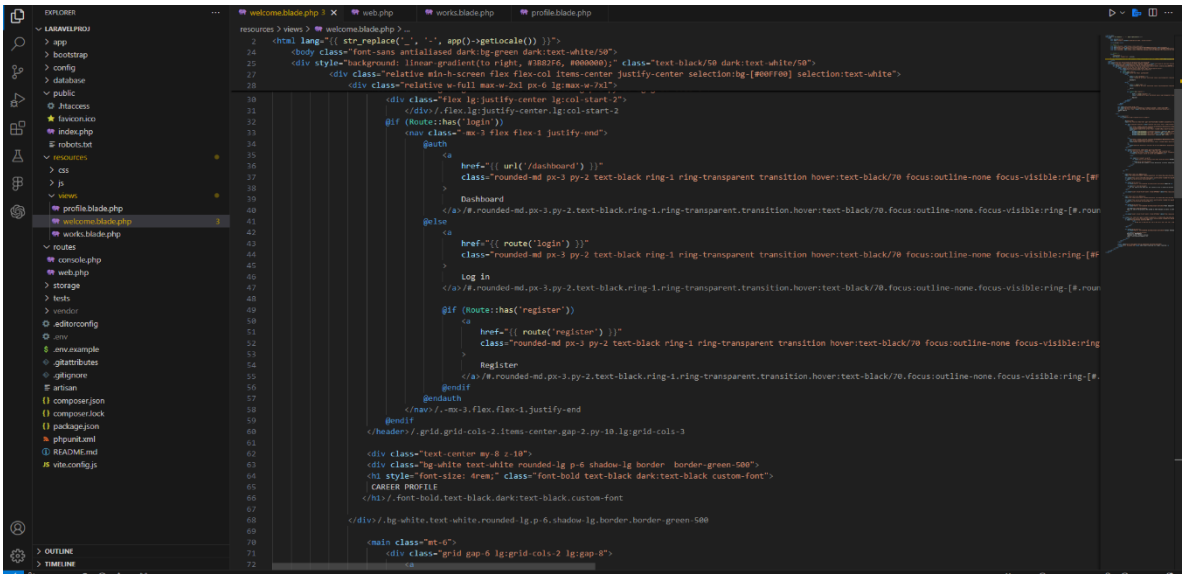




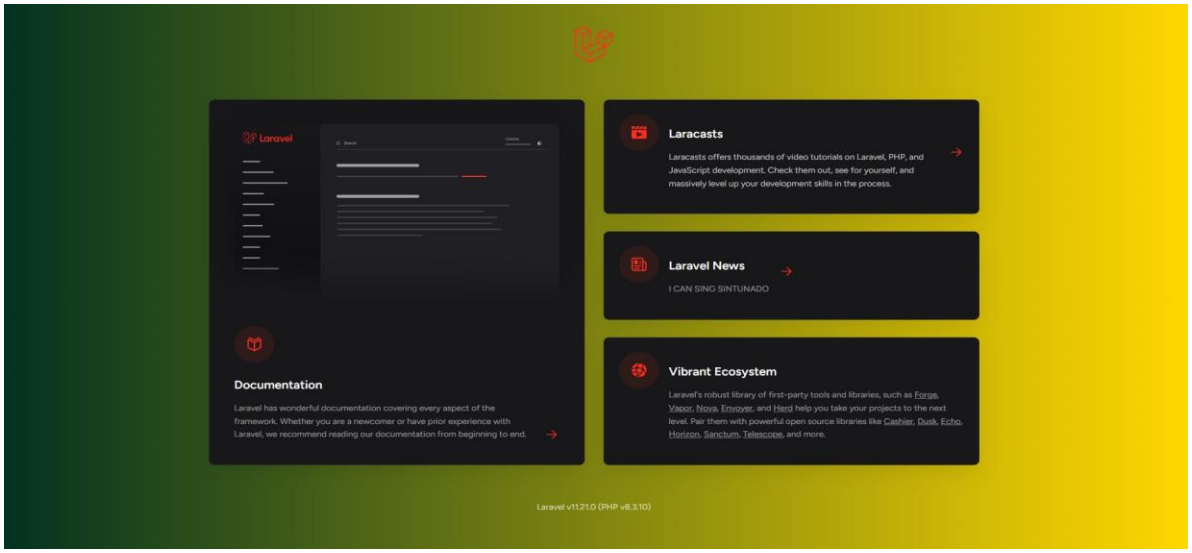




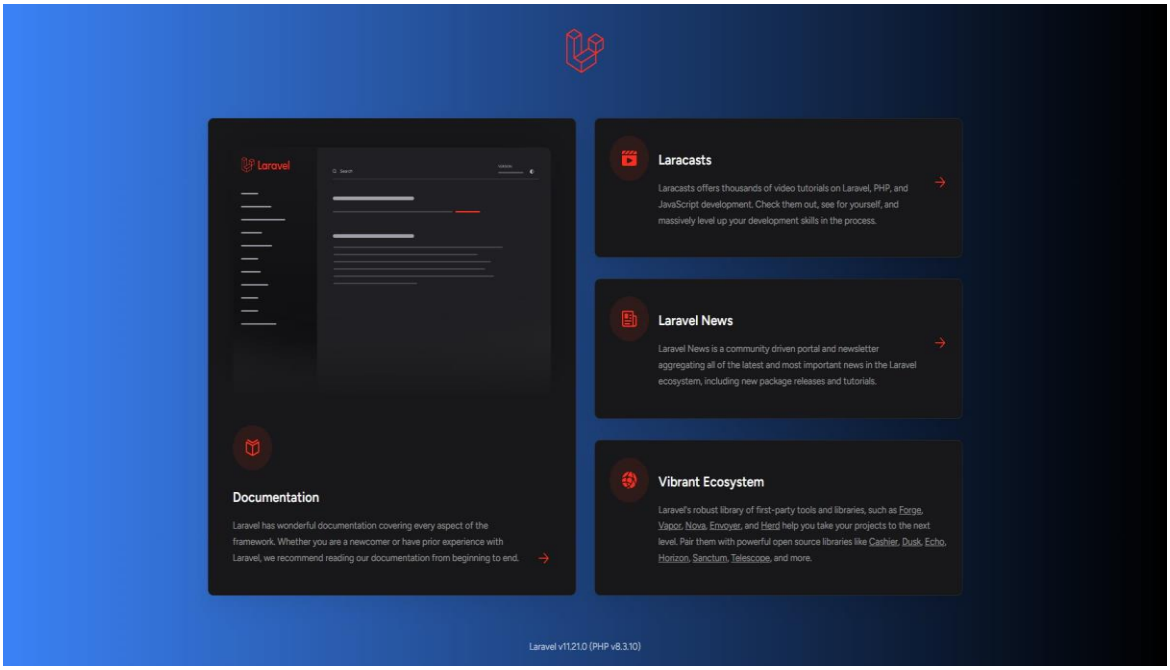
LARAVEL TEMPLATE EDITING:



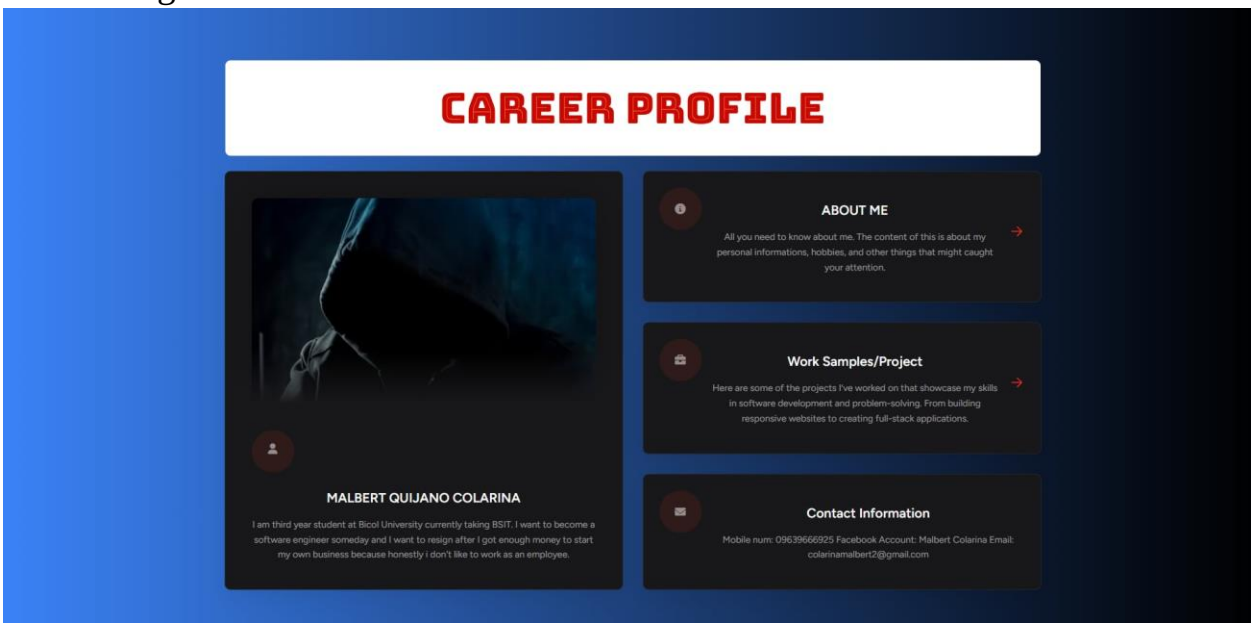
First attempt:

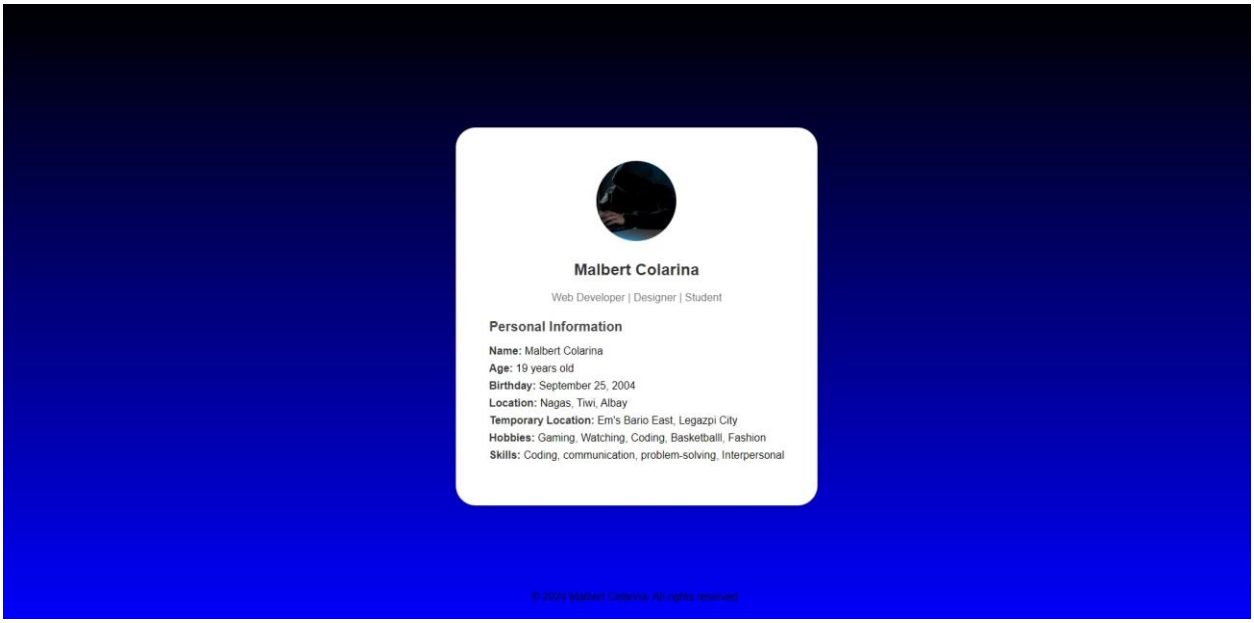


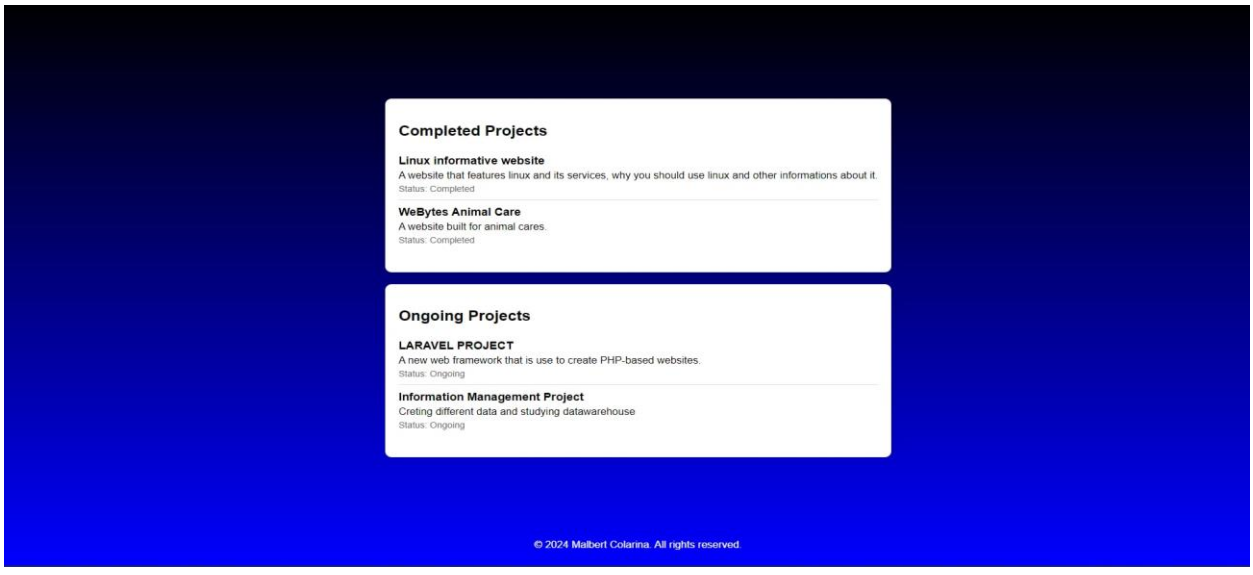
Second colorway:



Final Design:

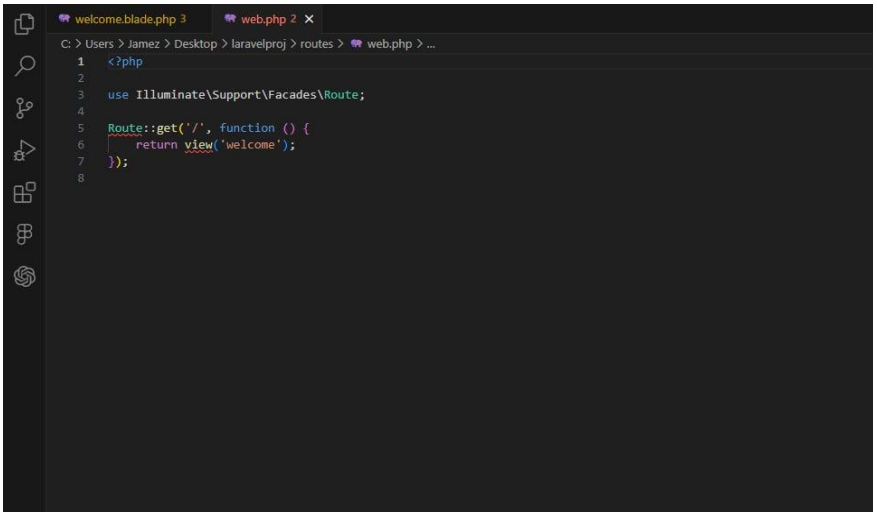






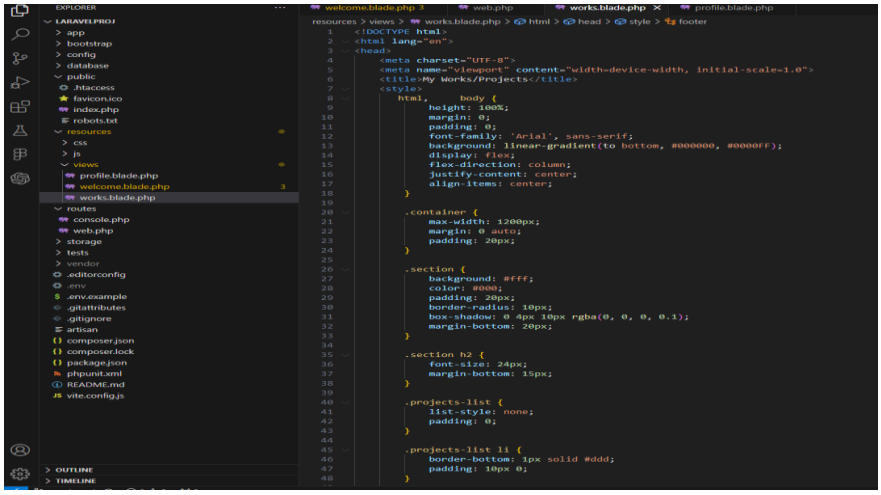
ROUTES:

Web.php



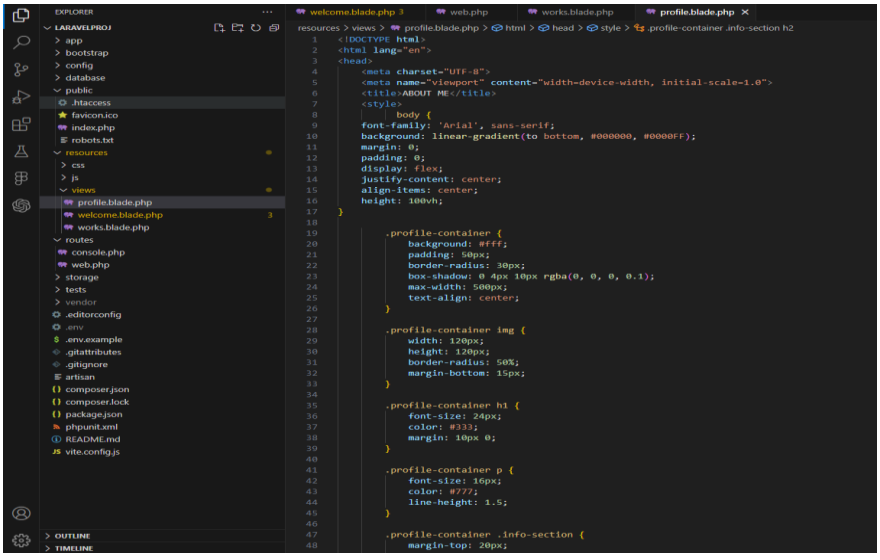
```php
<?php

use Illuminate\Support\Facades\Route;

Route::get('/', function () {
    return view('welcome');
});
```

Works.blade.php



```blade
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My Works/Projects</title>
    <style>
        html,     body {
            height: 100%;
            margin: 0;
            padding: 0;
            font-family: 'Arial', sans-serif;
            background: linear-gradient(to bottom, #000000, #0000FF);
            display: flex;
            flex-direction: column;
            justify-content: center;
            align-items: center;
        }

        .container {
            max-width: 1200px;
            margin: 0 auto;
            padding: 20px;
        }

        .section {
            background: #fff;
            color: #000;
            padding: 20px;
            border-radius: 10px;
            box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
            margin-bottom: 20px;
        }

        .section h2 {
            font-size: 24px;
            margin-bottom: 15px;
        }

        .projects-list {
            list-style: none;
            padding: 0;
        }

        .projects-list li {
            border-bottom: 1px solid #ddd;
            padding: 10px 0;
        }
```

Profile.blade.php



```blade
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>ABOUT ME</title>
    <style>
        body {
    font-family: 'Arial', sans-serif;
    background: linear-gradient(to bottom, #000000, #0000FF);
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
}

        .profile-container {
            background: #fff;
            padding: 50px;
            border-radius: 30px;
            box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
            max-width: 500px;
            text-align: center;
        }

        .profile-container img {
            width: 120px;
            height: 120px;
            border-radius: 50%;
            margin-bottom: 15px;
        }

        .profile-container h1 {
            font-size: 24px;
            color: #333;
            margin: 10px 0;
        }

        .profile-container p {
            font-size: 16px;
            color: #777;
            line-height: 1.5;
        }

        .profile-container .info-section {
            margin-top: 20px;
```