



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

```
.env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:51m2D0X7KWrZtxPYmWGxsAvjgUJCm10hrSQUnSCJ0H=
4 APP_DEBUG=true
5 APP_TIMEZONE=UTC
6 APP_URL=http://localhost
7
8 APP_LOCALE=en
9 APP_FALLBACK_LOCALE=en
10 APP_FAKER_LOCALE=en_US
11
12 APP_MAINTENANCE_DRIVER=file
13 # APP_MAINTENANCE_STORE=database
14
15 BCRYPT_ROUNDS=12
16
17 LOG_CHANNEL=stack
18 LOG_STACK=single
19 LOG_DEPRECATIONS_CHANNEL=null
20 LOG_LEVEL=debug
21
22 DB_CONNECTION=sqlite
23 # DB_HOST=127.0.0.1
24 # DB_PORT=3306
25 # DB_DATABASE=laravel
26 # DB_USERNAME=root
27 # DB_PASSWORD=
28
29 SESSION_DRIVER=database
30 SESSION_LIFETIME=120
31 SESSION_ENCRYPT=false
32 SESSION_PATH=/
33 SESSION_DOMAIN=null
34
35 BROADCAST_CONNECTION=log
36 FILESYSTEM_DISK=local
37 QUEUE_CONNECTION=database
38
39 CACHE_STORE=database
40 CACHE_PREFIX=
41
42 MEMCACHED_HOST=127.0.0.1
43
44 REDIS_CLIENT=phpredis
45 REDIS_HOST=127.0.0.1
46 REDIS_PASSWORD=null
47 REDIS_PORT=6379
48
49 MAIL_MAILER=log
50 MAIL_HOST=127.0.0.1
51 MAIL_PORT=2525
52 MAIL_USERNAME=null
53 MAIL_PASSWORD=null
```

# DOCUMENTATION OF STEPS FROM INSTALLATION TO NAVIGATION OF THE PAGES

## Setting up Laravel:

```
Command Prompt - laravel n X + v
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Jamez>cd desktop
C:\Users\Jamez\Desktop>laravel new

Laravel

What is the name of your project?:
> |
```

```
Command Prompt - laravel n X + v

- Installing sebastian/comparator (6.0.2): Extracting archive
  - Installing sebastian/code-unit (3.0.1): Extracting archive
- Installing sebastian/cli-parser (3.0.2): Extracting archive
- Installing phpunit/php-timer (7.0.1): Extracting archive
- Installing phpunit/php-text-template (4.0.1): Extracting archive
- Installing phpunit/php-invoker (5.0.1): Extracting archive
- Installing phpunit/php-file-iterator (5.0.1): Extracting archive
- Installing theseer/tokenizer (1.2.3): Extracting archive
- Installing sebastian/lines-of-code (3.0.1): Extracting archive
  - Installing sebastian/complexity (4.0.1): Extracting archive
- Installing sebastian/code-unit-reverse-lookup (4.0.1): Extracting archive
- Installing phpunit/php-code-coverage (11.0.6): Extracting archive
  - Installing phar-io/version (3.2.1): Extracting archive
- Installing phar-io/manifest (2.0.4): Extracting archive
- Installing myclabs/deep-copy (1.12.0): Extracting archive
- Installing phpunit/phpunit (11.3.1): Extracting archive
0/97 [=====] 0%
10/97 [==>=====] 10%
20/97 [====>=====] 20%
30/97 [=====>=====] 30%
40/97 [=====>=====] 41%
50/97 [=====>=====] 51%
60/97 [=====>=====] 61%
70/97 [=====>=====] 72%
80/97 [=====>=====] 82%
90/97 [=====>=====] 92%
97/97 [=====] 100%
47 package suggestions were added by new dependencies, use `composer suggest` to see details.
Generating optimized autoload files
```

```
Command Prompt - laravel n X + v

> @php artisan vendor:publish --tag=laravel-assets --ansi --force
INFO No publishable resources for tag [laravel-assets].

No security vulnerability advisories found.
> @php artisan key:generate --ansi
INFO Application key set successfully.

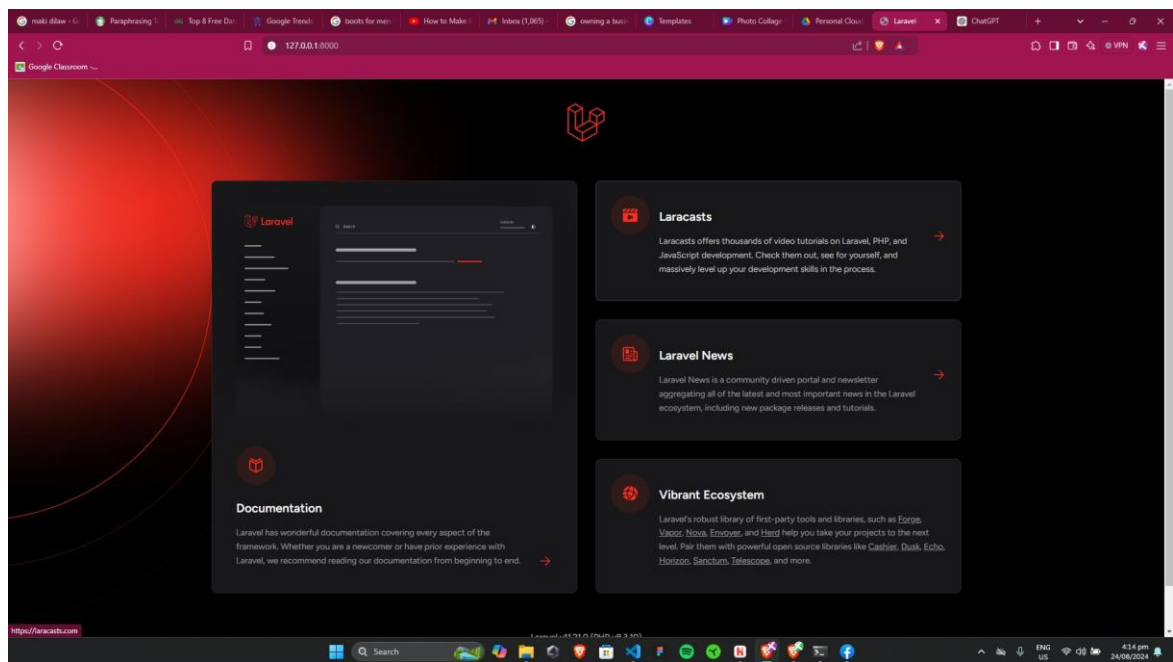
> @php -r "file_exists('database/database.sqlite') || touch('database/database.sqlite');"
> @php artisan migrate --graceful --ansi
INFO Preparing database.

Creating migration table ..... 8.76ms DONE
INFO Running migrations.

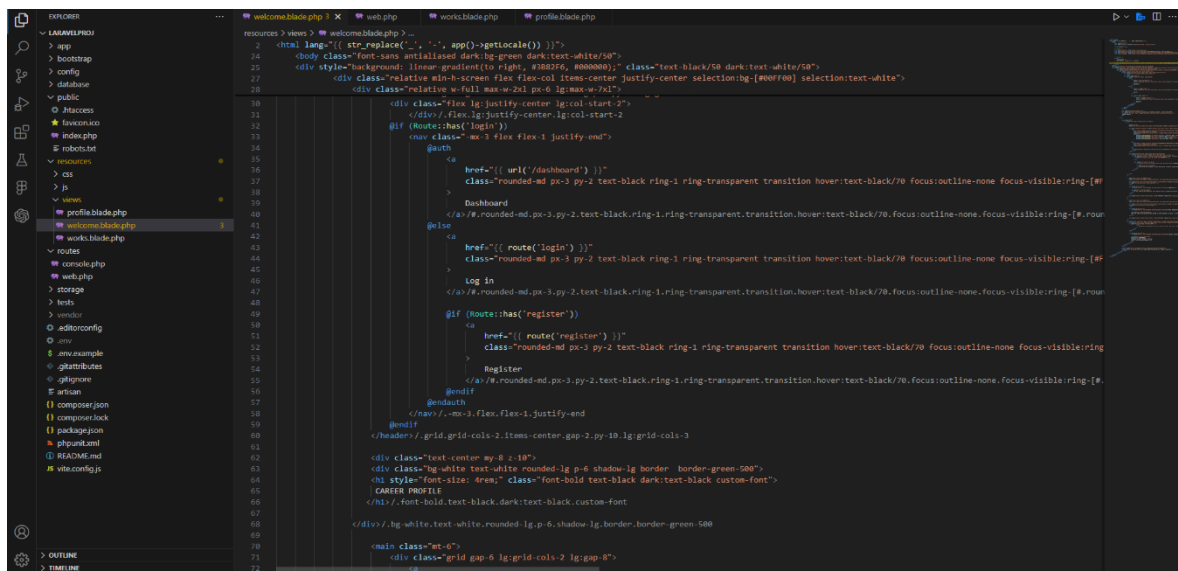
0001_01_01_000000_create_users_table ..... 26.32ms DONE
0001_01_01_000001_create_cache_table ..... 9.84ms DONE
0001_01_01_000002_create_jobs_table ..... 23.35ms DONE

Which database will your application use? [SQLite]:
[sqlite ] SQLite
[mysql ] MySQL
[mariadb] MariaDB
[pgsql ] PostgreSQL
[sqlsrv ] SQL Server (Missing PDO extension)
> |
```

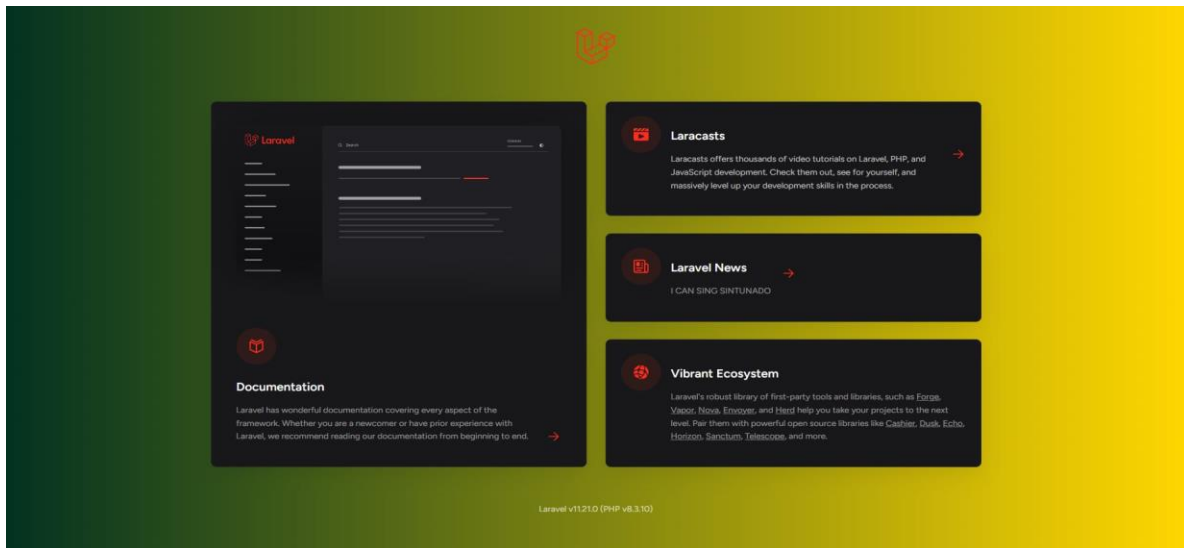
```
Command Prompt - php artis x + -  
  
No security vulnerability advisories found.  
  
INFO Preparing tests directory.  
phpunit.xml ..... File already exists.  
tests/Pest.php ..... File created.  
tests/TestCase.php ..... File already exists.  
tests/Unit/ExampleTest.php ..... File already exists.  
tests/Feature/ExampleTest.php ..... File already exists.  
  
INFO Application ready in [newproj]. You can start your local development using:  
  
→ cd newproj  
→ php artisan serve  
  
New to Laravel? Check out our bootcamp and documentation. Build something amazing!  
  
C:\Users\Jamez\Desktop>cd newproj  
C:\Users\Jamez\Desktop\newproj>php artisan serve  
  
INFO Server running on [http://127.0.0.1:8000].  
  
Press Ctrl+C to stop the server
```



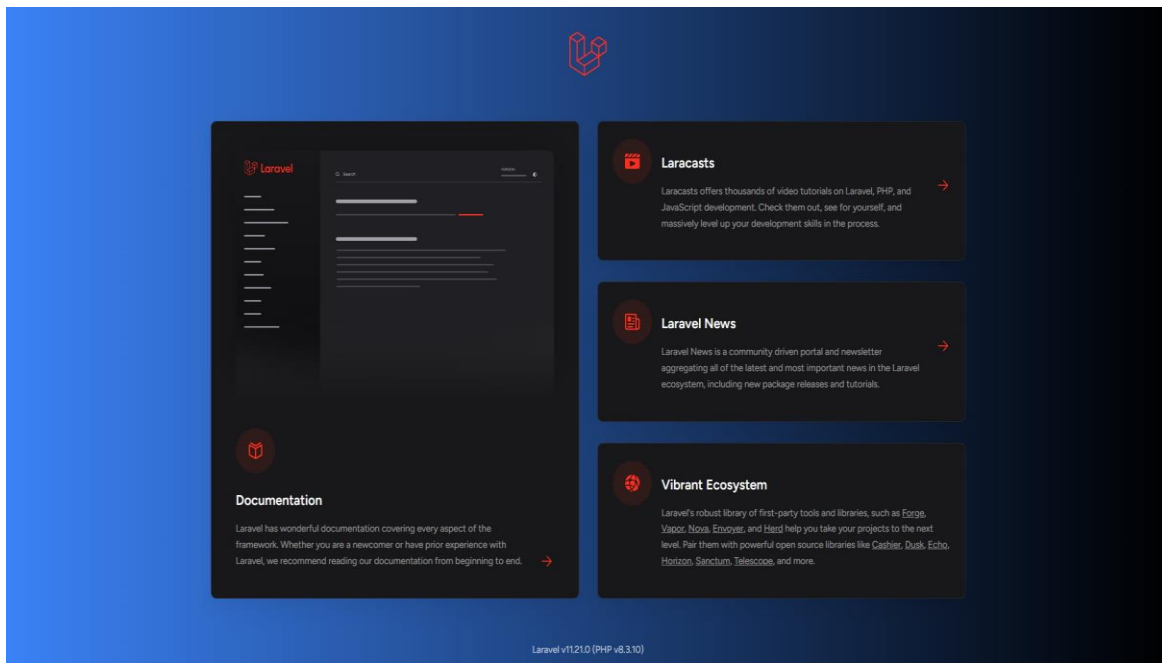
## LARAVEL TEMPLATE EDITING:



First attempt:




Second colorway:



Final Design:

CAREER PROFILE



MALBERT QUIJANO COLARINA

I am third year student at Bicol University currently taking BSIT. I want to become a software engineer someday and I want to resign after I got enough money to start my own business because honestly I don't like to work as an employee.

ABOUT ME


All you need to know about me. The content of this is about my personal informations, hobbies, and other things that might caught your attention.

Work Samples/Project

Here are some of the projects I've worked on that showcase my skills in software development and problem-solving. From building responsive websites to creating full-stack applications.

Contact Information

Mobile num: 09639666925 Facebook Account: Malbert Colarina Email: colarinamalbert@gmail.com



Malbert Colarina

Web Developer | Designer | Student

Personal Information

Name: Malbert Colarina

Age: 19 years old

Birthday: September 25, 2004

Location: Nagas, Tiwi, Albay

Temporary Location: Em's Barrio East, Legazpi City

Hobbies: Gaming, Watching, Coding, Basketball, Fashion

Skills: Coding, communication, problem-solving, Interpersonal

© 2024 Malbert Colarina. All rights reserved

Completed Projects

Linux informative website

A website that features linux and its services, why you should use linux and other informations about it.

Status: Completed

WeBytes Animal Care

A website built for animal cares.

Status: Completed

Ongoing Projects

LARAVEL PROJECT

A new web framework that is use to create PHP-based websites.

Status: Ongoing

Information Management Project

Creting different data and studying datawarehouse

Status: Ongoing

© 2024 Malbert Colarina. All rights reserved



# ROUTES:

## Web.php

```
welcome.blade.php 3 web.php 2 X
C:\Users\Jamez\Desktop\laravelproj> routes > web.php > ...
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4
5 Route::get('/', function () {
6     return view('welcome');
7 });
8
```

## Works.blade.php

```
EXPLORE welcome.blade.php 2 web.php works.blade.php 4 profile.blade.php
resources > views > works.blade.php > html > head > style > footer
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>My Works/Projects</title>
7 <style>
8     html, body {
9         height: 100%;
10        margin: 0;
11        padding: 0;
12        font-family: 'Arial', sans-serif;
13        background: linear-gradient(to bottom, #000000, #0000ff);
14        display: flex;
15        flex-direction: column;
16        justify-content: center;
17        align-items: center;
18    }
19
20    .container {
21        max-width: 1200px;
22        margin: 0 auto;
23        padding: 20px;
24    }
25
26    .section {
27        background: #fff;
28        color: #000;
29        padding: 20px;
30        border-radius: 10px;
31        box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
32        margin-bottom: 20px;
33    }
34
35    .section h2 {
36        font-size: 24px;
37        margin-bottom: 15px;
38    }
39
40    .projects-list {
41        list-style: none;
42        padding: 0;
43    }
44
45    .projects-list li {
46        border-bottom: 1px solid #ddd;
47        padding: 10px 0;
48    }
```

## Profile.blade.php

```
EXPLORE welcome.blade.php 3 web.php works.blade.php 4 profile.blade.php 4
resources > views > profile.blade.php > html > head > style > profile-container-info-section h2
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>ABOUT ME</title>
7 <style>
8     body {
9         font-family: 'Arial', sans-serif;
10        background: linear-gradient(to bottom, #000000, #0000ff);
11        margin: 0;
12        padding: 0;
13        display: flex;
14        justify-content: center;
15        align-items: center;
16        height: 100vh;
17    }
18
19    .profile-container {
20        background: #fff;
21        padding: 50px;
22        border-radius: 30px;
23        box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
24        max-width: 500px;
25        text-align: center;
26    }
27
28    .profile-container img {
29        width: 120px;
30        height: 120px;
31        border-radius: 50%;
32        margin-bottom: 15px;
33    }
34
35    .profile-container h1 {
36        font-size: 24px;
37        color: #333;
38        margin: 10px 0;
39    }
40
41    .profile-container p {
42        font-size: 16px;
43        color: #777;
44        line-height: 1.5;
45    }
46
47    .profile-container .info-section {
48        margin-top: 20px;
49    }
```



