BICOL UNIVERSITY COLLEGE OF SCIENCE

LEGAZPI CITY, ALBAY

IT Elect 1 – WEB DEVELOPMENT

DOCUMENTATION
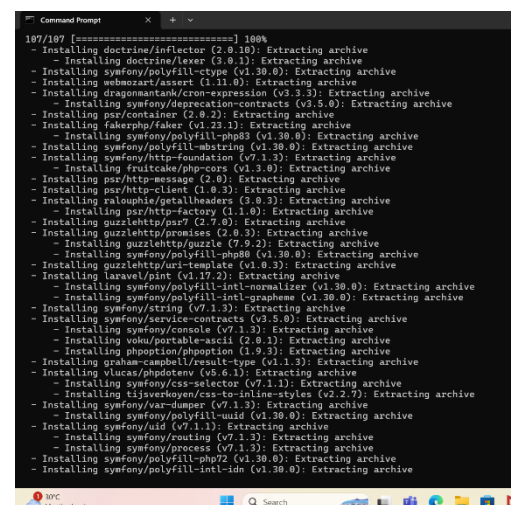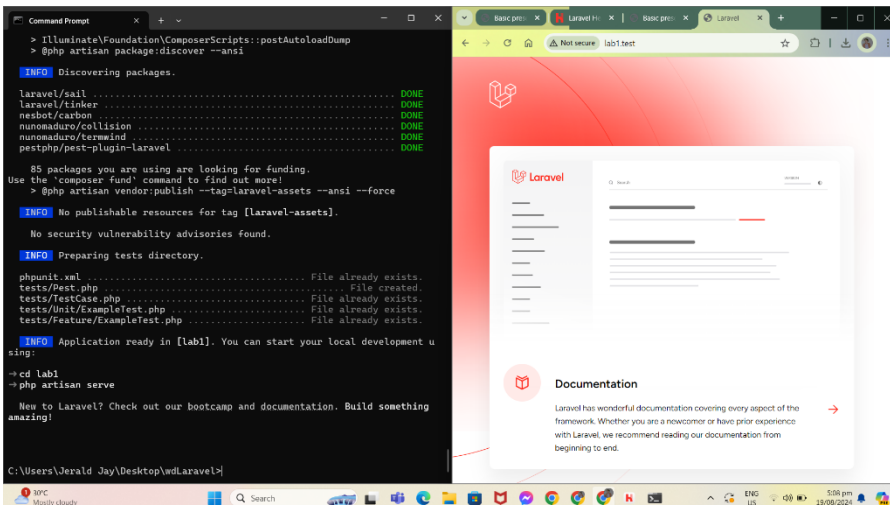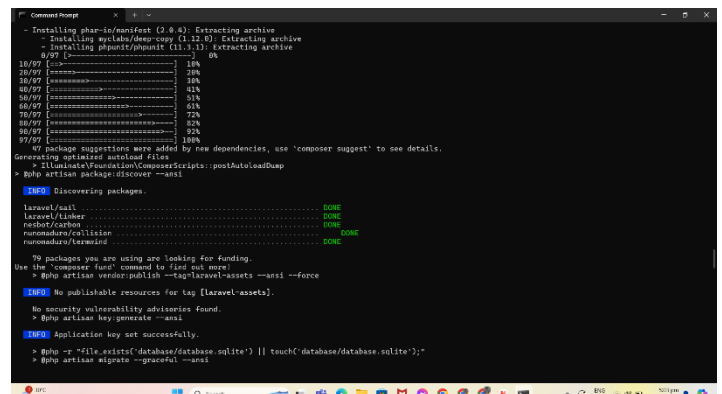
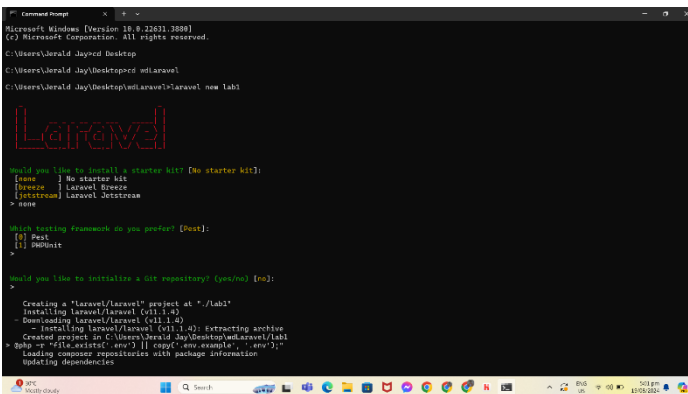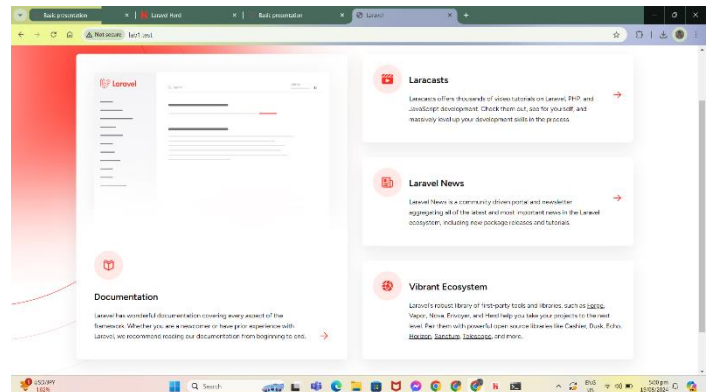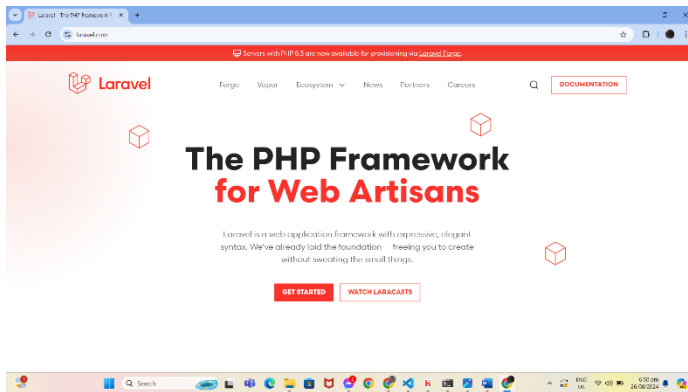# (LABORATORY 1)

SUBMITTED BY:

JERALD JAY G. BUBAN

BSIT – 3C

1. Install Laravel along with its dependencies.

2. Create a Laravel project and put it in a Git repository

GIT REPOSITORY

3. Set up the .env file to include database connection details

.env	26/08/2024 7:28 pm	ENV File	2 KB


```
DB_CONNECTION=sqlite
# DB_HOST=127.0.0.1
# DB_PORT=3306
# DB_DATABASE=laravel
# DB_USERNAME=root
# DB_PASSWORD=
```



```
DB_CONNECTION=sqlite
# DB_HOST=127.0.0.1
# DB_PORT=3306
# DB_DATABASE=lab1_cat
# DB_USERNAME=root
# DB_PASSWORD=
```

4. Create at least 3 views (homepage, about, content)

3 Views

about.blade	26/08/2024 6:39 pm	PHP Source File	5 KB
content.blade	26/08/2024 9:21 pm	PHP Source File	11 KB
home.blade	26/08/2024 9:17 pm	PHP Source File	6 KB

- **HOMEPAGE**
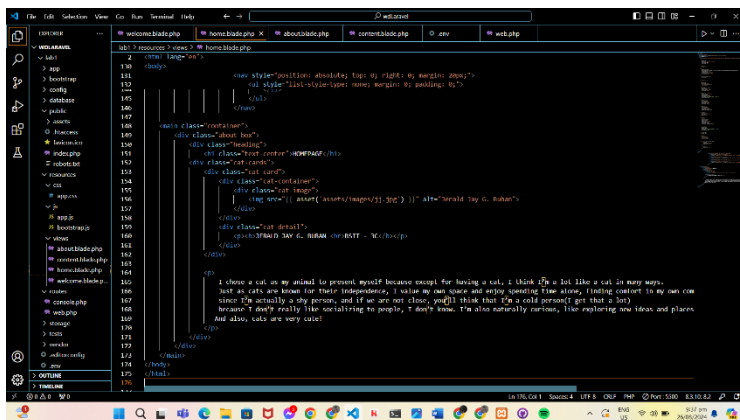
- **ABOUT**
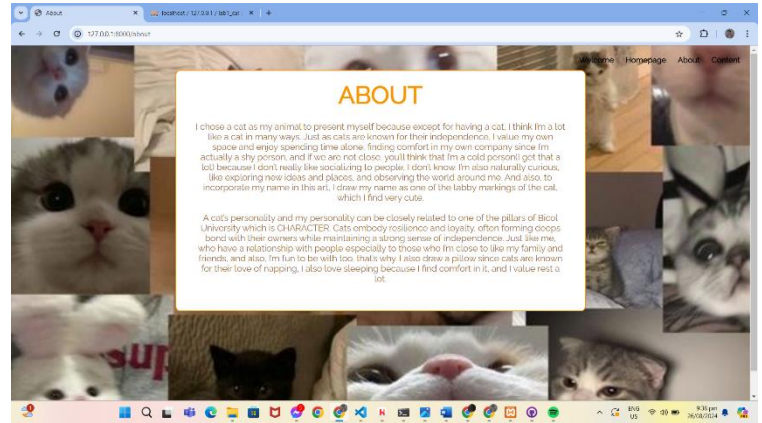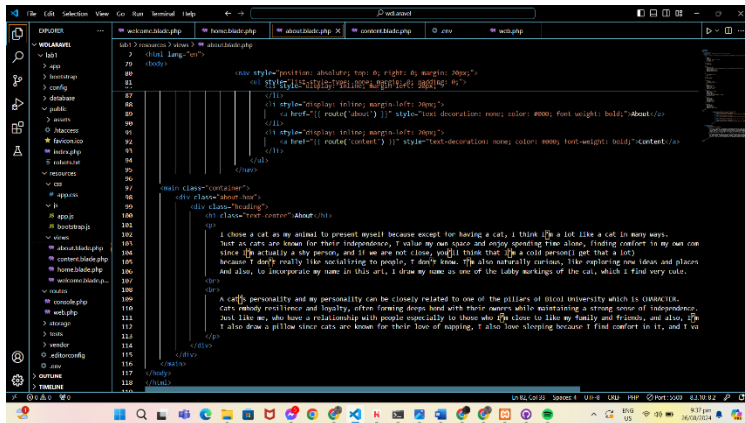
- **CONTENT**
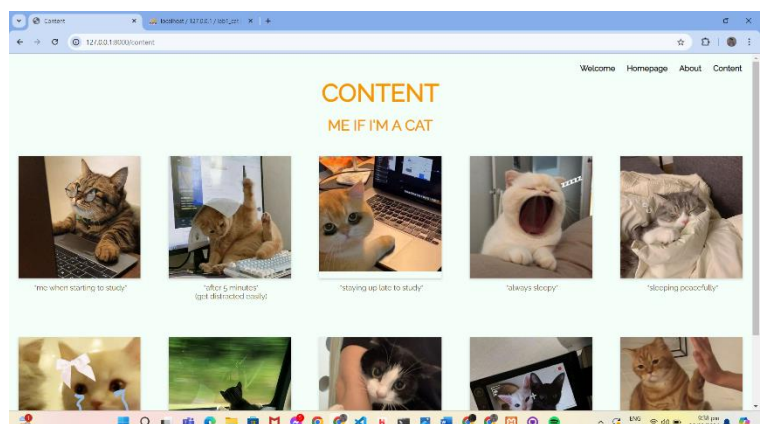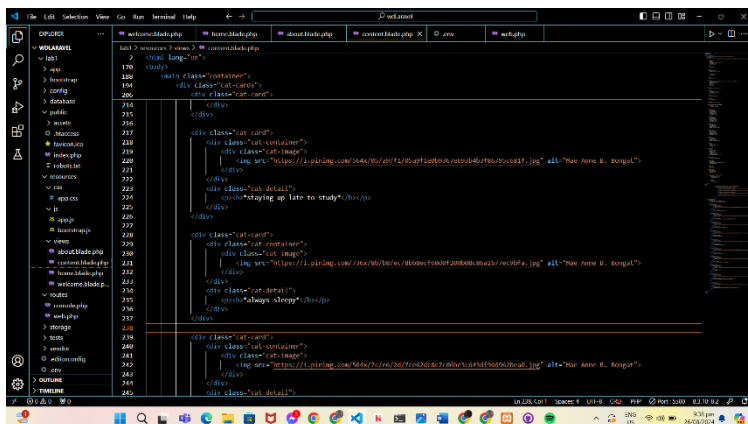
5. Create and run routes


```php
<?php

use Illuminate\Support\Facades\Route;

Route::get('/', function () {
    return view('welcome');
})->name('welcome');


Route::get('/home', function () {
    return view('home');
})->name('home');

Route::get('/about', function () {
    return view('about');
})->name('about');

Route::get('/content', function () {
    return view('content');
})->name('content');
```
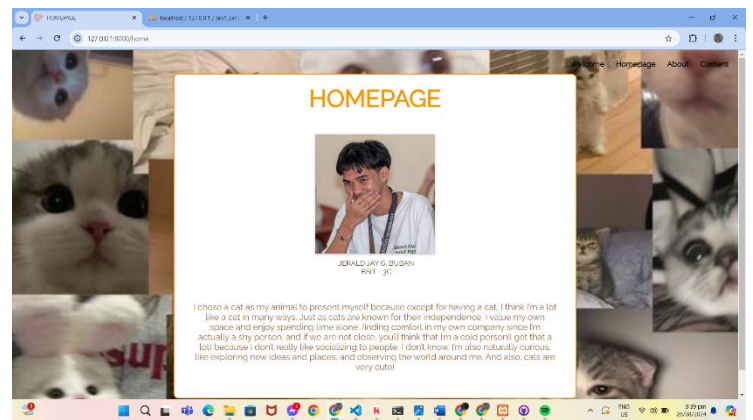
6. Identify and document the purpose of key directories and files in the Laravel project.

KEY DIRECTORIES:

📁 public

📁 resources

📁 routes

- Stores the content of the webpage, including views, language files, and assets like images, CSS, and JavaScript.
- Manages URL routing to ensure the website directs users to the correct content based on their navigation choices.

📁 storage

📁 tests

- Stores files generated or needed by the application during runtime.
- For writing and organizing automated tests to ensure code quality.

📄 .env

- Stores environment variables.

📄 artisan

- Command Line tool to provide commands for managing a Laravel project.