

## Key Directories

### 1. **app/:**

- **Purpose:** Contains the core logic of your Laravel application, such as models, controllers, and middleware.
- **Subdirectories:**
  - **Models/:** Contains Eloquent models representing the data in your database.
  - **Http/Controllers/:** Holds the controllers which handle HTTP requests.

### 2. **bootstrap/:**

- **Purpose:** Holds the files responsible for bootstrapping the Laravel framework, including the app.php file, which bootstraps the Laravel application.
- **cache/:** Stores cached bootstrap files for optimized performance.

### 3. **config/:**

- **Purpose:** Contains configuration files for your Laravel application. These files allow you to configure various aspects such as database connections, mail settings, and more.

### 4. **database/:**

- **Purpose:** Contains your database-related files, including migrations, seeds, and factories.
- **Subdirectories:**
  - **migrations/:** Stores migration files for creating and modifying database tables.
  - **seeds/:** Holds seed files that populate your database with test data.

### 5. **public/:**

- **Purpose:** The only directory accessible to the web browser. It typically contains your entry point (index.php), as well as assets like CSS, JavaScript, and images.
- **Files:**
  - **.htaccess:** Used for configuration in Apache web servers.
  - **favicon.ico:** The favicon for your application.
  - **index.php:** The front controller file that handles all requests to your application.
  - **robots.txt:** Provides crawling instructions to web crawlers.

### 6. **resources/:**

- **Purpose:** Contains your application's views (Blade templates), raw assets (like CSS and JavaScript), and language files.

- **Subdirectories:**

- `views/`: Stores the Blade template files for your views (.blade.php).
- `css/`: Holds custom CSS files for styling.
- `js/`: Holds custom JavaScript files for functionality.

## 7. **routes/**:

- **Purpose:** Contains all the route definitions for your application.
- **Files:**
  - `web.php`: Defines routes for web interfaces (routes that use the web middleware group).
  - `console.php`: Defines closures that get called when you execute Artisan commands.

## 8. **storage/**:

- **Purpose:** Stores files generated by your application, including logs, caches, and compiled Blade templates.
- **Subdirectories:**
  - `app/`: Holds application-specific files.
  - `logs/`: Contains log files for debugging purposes.

## 9. **tests/**:

- **Purpose:** Contains the test cases for your application, split into Feature and Unit tests.

## 10. **vendor/**:

- **Purpose:** Contains all the Composer dependencies required for your application, including the Laravel framework itself.

## Key Files

### 1. **.env:**

- **Purpose:** Stores environment-specific configuration values such as database credentials, API keys, and more. This file should not be committed to version control for security reasons.

### 2. **.env.example:**

- **Purpose:** A template for the .env file, usually provided with the application. It helps developers set up their environment quickly.

### 3. **.gitignore:**

- **Purpose:** Specifies which files and directories should be ignored by Git, preventing them from being committed to version control.

### 4. **artisan:**

- **Purpose:** A command-line interface for Laravel that allows you to perform various tasks such as running migrations, generating code, and more.

### 5. **composer.json:**

- **Purpose:** Contains metadata for your project and lists the PHP dependencies your application requires.

### 6. **composer.lock:**

- **Purpose:** Locks the versions of the dependencies to ensure that the same versions are installed when running composer install.

### 7. **package.json:**

- **Purpose:** Contains metadata and lists JavaScript dependencies required for your front-end build processes (if using Node.js).

### 8. **phpunit.xml:**

- **Purpose:** Configuration file for running PHPUnit tests.

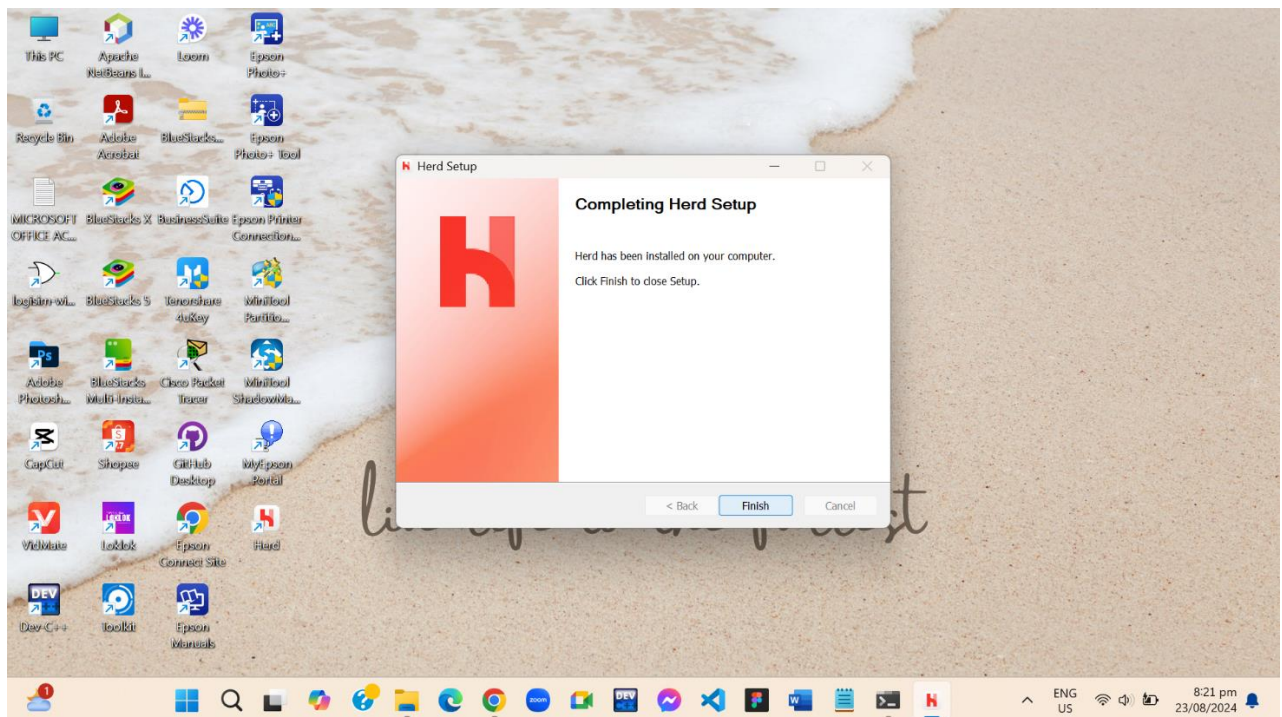
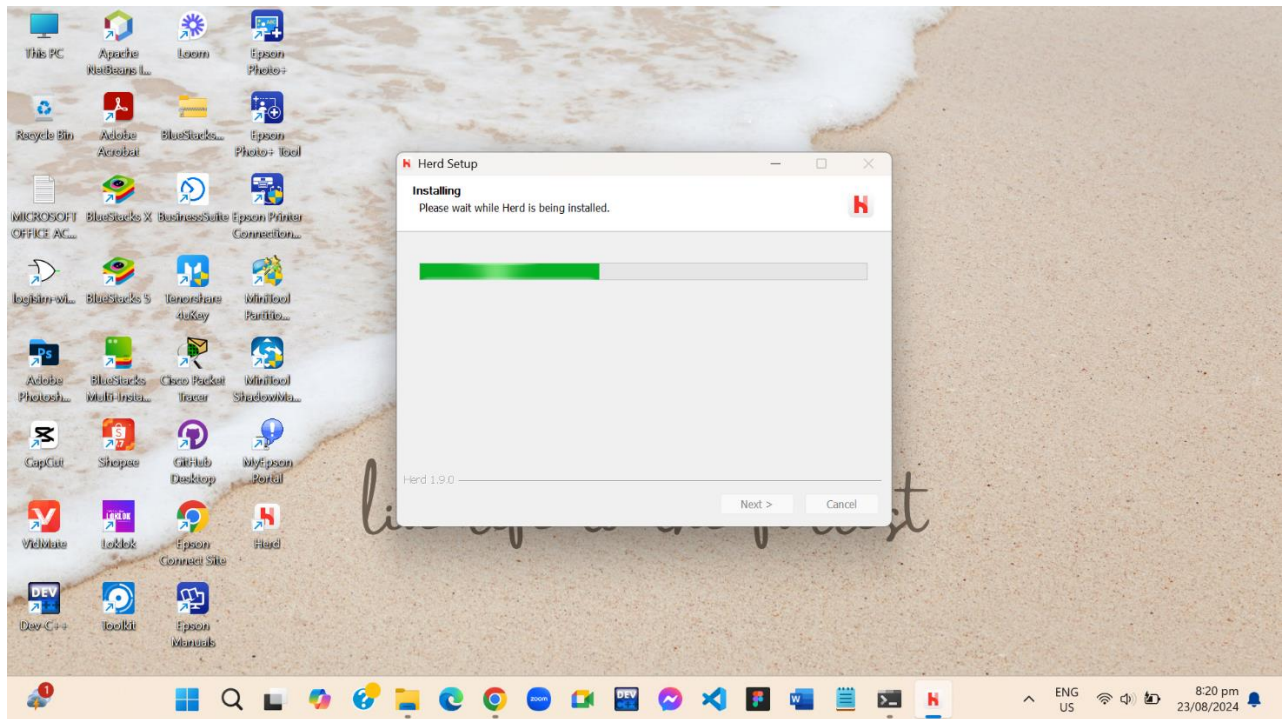
### 9. **README.md:**

- **Purpose:** A markdown file typically used to provide information about your project, such as setup instructions, purpose, and usage.

### 10. **vite.config.js:**

- **Purpose:** Configuration file for Vite, a modern front-end build tool that Laravel uses for compiling assets (like CSS and JavaScript).

## Laravel Installation



## Creating the project

```
C:\WINDOWS\system32\cmd. X + v
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Princess Diane>cd Herd

C:\Users\Princess Diane\Herd>laravel new LabActivity1

  Laravel

Would you like to install a starter kit? [No starter kit]:
[none] No starter kit
[breeze] Laravel Breeze
[jetstream] Laravel Jetstream
>

Which testing framework do you prefer? [Pest]:
[0] Pest
[1] PHPUnit
>

Would you like to initialize a Git repository? (yes/no) [no]:
>

In NewCommand.php Line 776:
```

## Git Initialization

```
C:\WINDOWS\system32\cmd. X + v
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Princess Diane>cd Herd

C:\Users\Princess Diane\Herd>cd LabActivity1

C:\Users\Princess Diane\Herd\LabActivity1>git init
Initialized empty Git repository in C:/Users/Princess Diane/Herd/LabActivity1/.git/

C:\Users\Princess Diane\Herd\LabActivity1>git add .

C:\Users\Princess Diane\Herd\LabActivity1>git commit -m "Initial commit"
[master (root-commit) 260adde] Initial commit
56 files changed, 10862 insertions(+)
create mode 100644 .editorconfig
create mode 100644 .env.example
create mode 100644 .gitattributes
create mode 100644 .gitignore
create mode 100644 README.md
create mode 100644 app/Http/Controllers/Controller.php
create mode 100644 app/Models/User.php
create mode 100644 app/Providers/AppServiceProvider.php
create mode 100644 artisan
create mode 100644 bootstrap/app.php
create mode 100644 bootstrap/cache/.gitignore
create mode 100644 bootstrap/providers.php
create mode 100644 composer.json
create mode 100644 composer.lock
create mode 100644 config/app.php
create mode 100644 config/auth.php
create mode 100644 config/cache.php
create mode 100644 config/database.php
create mode 100644 config/filesystems.php
create mode 100644 config/logging.php
create mode 100644 config/mail.php
create mode 100644 config/queue.php
create mode 100644 config/services.php
create mode 100644 config/session.php
create mode 100644 database/.gitignore
```

```
C:\WINDOWS\system32\cmd. X + v

create mode 100644 config/auth.php
create mode 100644 config/cache.php
create mode 100644 config/database.php
create mode 100644 config/filesystems.php
create mode 100644 config/logging.php
create mode 100644 config/mail.php
create mode 100644 config/queue.php
create mode 100644 config/services.php
create mode 100644 config/session.php
create mode 100644 database/.gitignore
create mode 100644 database/Factories/UserFactory.php
create mode 100644 database/migrations/0001_01_01_000000_create_users_table.php
create mode 100644 database/migrations/0001_01_01_000001_create_cache_table.php
create mode 100644 database/migrations/0001_01_01_000002_create_jobs_table.php
create mode 100644 database/seeder/DatabaseSeeder.php
create mode 100644 package.json
create mode 100644 phpunit.xml
create mode 100644 public/.htaccess
create mode 100644 public/favicon.ico
create mode 100644 public/index.php
create mode 100644 public/robots.txt
create mode 100644 resources/css/app.css
create mode 100644 resources/js/app.js
create mode 100644 resources/js/bootstrap.js
create mode 100644 resources/views/welcome.blade.php
create mode 100644 routes/console.php
create mode 100644 routes/web.php
create mode 100644 storage/app/.gitignore
create mode 100644 storage/app/public/.gitignore
create mode 100644 storage/framework/.gitignore
create mode 100644 storage/framework/cache/.gitignore
create mode 100644 storage/framework/cache/data/.gitignore
create mode 100644 storage/framework/sessions/.gitignore
create mode 100644 storage/framework/testing/.gitignore
create mode 100644 storage/framework/views/.gitignore
create mode 100644 storage/logs/.gitignore
create mode 100644 tests/Feature/ExampleTest.php
create mode 100644 tests/Pest.php
create mode 100644 tests/TestCase.php
create mode 100644 tests/Unit/ExampleTest.php
```

```
C:\WINDOWS\system32\cmd. X + v

create mode 100644 routes/web.php
create mode 100644 storage/app/.gitignore
create mode 100644 storage/app/public/.gitignore
create mode 100644 storage/framework/.gitignore
create mode 100644 storage/framework/cache/.gitignore
create mode 100644 storage/framework/cache/data/.gitignore
create mode 100644 storage/framework/sessions/.gitignore
create mode 100644 storage/framework/testing/.gitignore
create mode 100644 storage/framework/views/.gitignore
create mode 100644 storage/logs/.gitignore
create mode 100644 tests/Feature/ExampleTest.php
create mode 100644 tests/Pest.php
create mode 100644 tests/TestCase.php
create mode 100644 tests/Unit/ExampleTest.php
create mode 100644 vite.config.js

C:\Users\Princess Diane\Herd\LabActivity1>git remote add origin https://github.com/diane-r8/LabActivity1.git

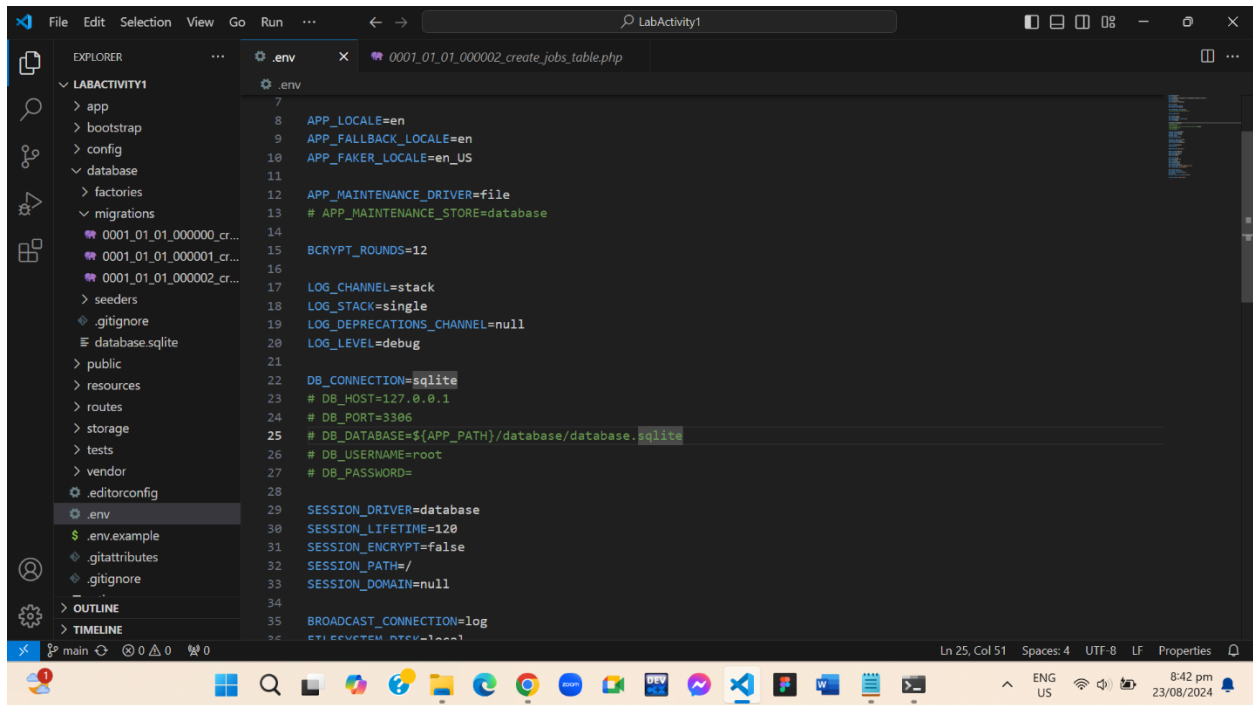
C:\Users\Princess Diane\Herd\LabActivity1>git branch -M main

C:\Users\Princess Diane\Herd\LabActivity1>git push -u origin main
Enumerating objects: 76, done.
Counting objects: 100% (76/76), done.
Delta compression using up to 8 threads
Compressing objects: 100% (59/59), done.
Writing objects: 100% (76/76), 66.68 KiB | 3.33 MiB/s, done.
Total 76 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/diane-r8/LabActivity1.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

C:\Users\Princess Diane\Herd\LabActivity1>
```



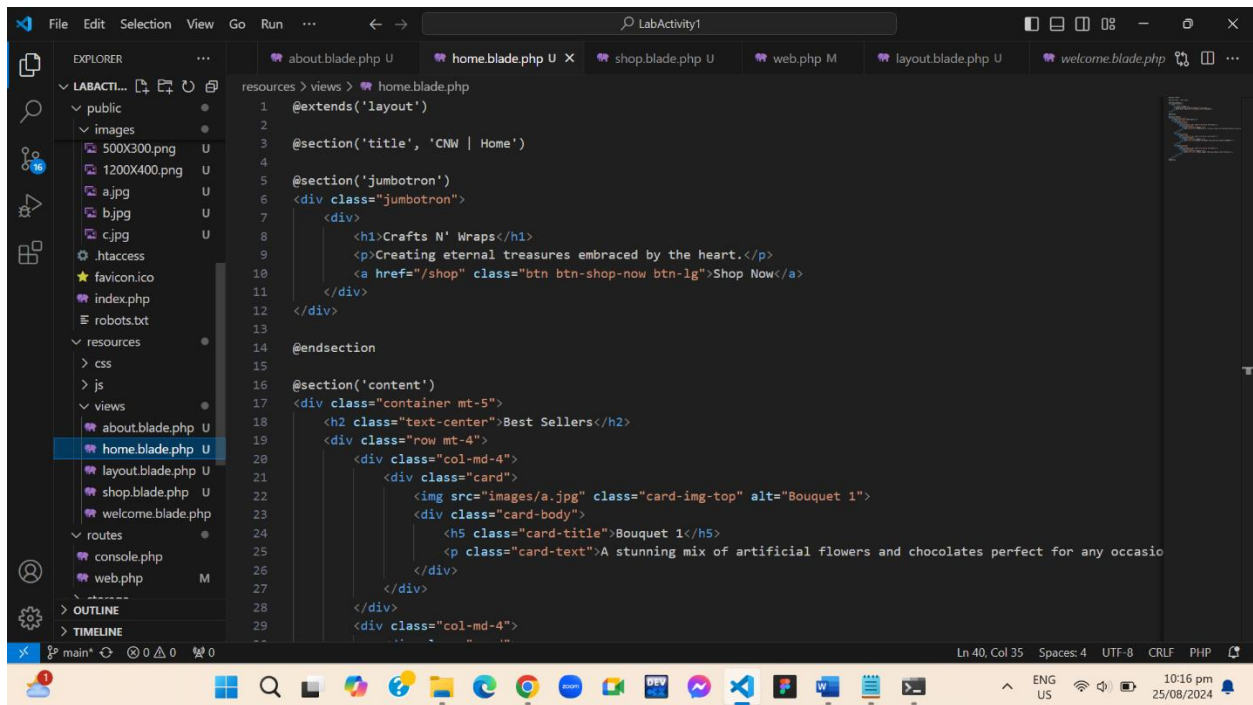
## Setting up the .env file/Database Configuration



The screenshot shows the Visual Studio Code editor with the .env file open. The file contains configuration for the application's environment, including database settings. The Explorer sidebar on the left shows the project structure, with the .env file selected under the config directory. The Run and Debug sidebar on the right is also visible.

```
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=${APP_PATH}/database/database.sqlite
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 # BROADCAST_DRIVER=log
```

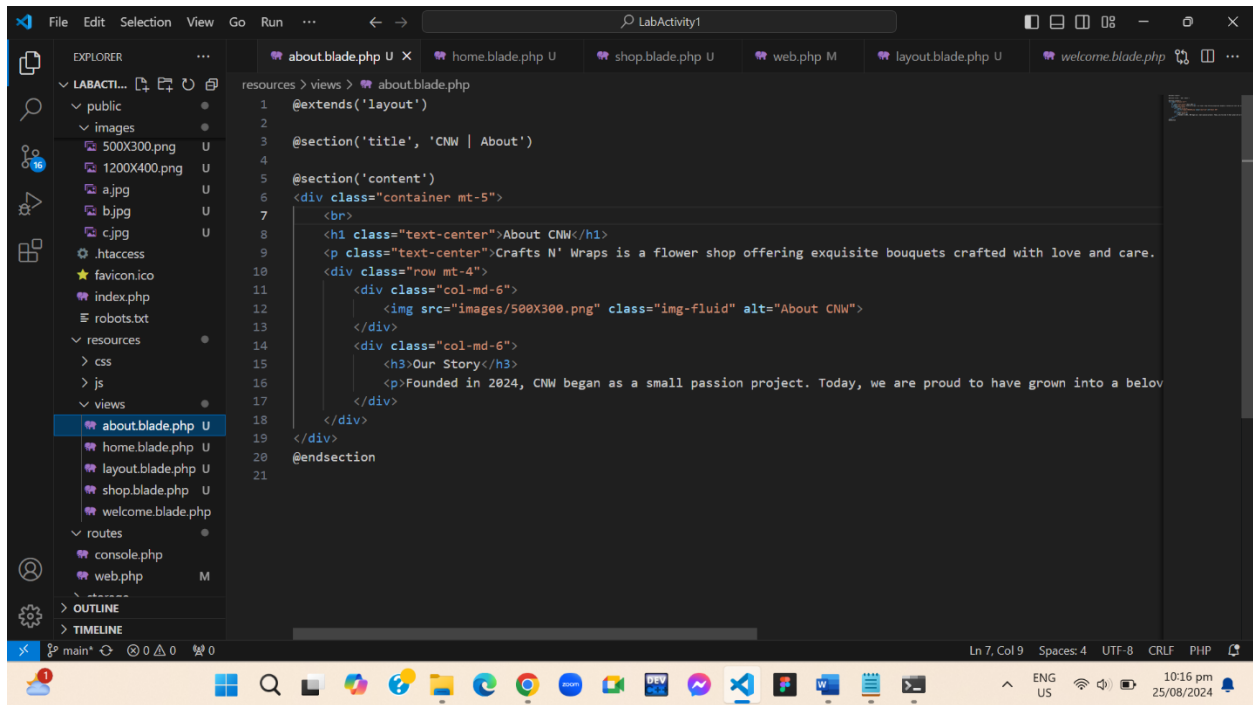
## Creating Views: home.blade.php



The screenshot shows the Visual Studio Code editor with the home.blade.php file open. The file contains the Blade template code for the home page. The Explorer sidebar on the left shows the project structure, with the home.blade.php file selected under the resources/views directory. The Run and Debug sidebar on the right is also visible.

```
1 @extends('layout')
2
3 @section('title', 'CNW | Home')
4
5 @section('jumbotron')
6 <div class="jumbotron">
7     <div>
8         <h1>Crafts N' Wraps</h1>
9         <p>Creating eternal treasures embraced by the heart.</p>
10        <a href="/shop" class="btn btn-shop-now btn-lg">Shop Now</a>
11    </div>
12 </div>
13
14 @endsection
15
16 @section('content')
17 <div class="container mt-5">
18     <h2 class="text-center">Best Sellers</h2>
19     <div class="row mt-4">
20         <div class="col-md-4">
21             <div class="card">
22                 
23                 <div class="card-body">
24                     <h5 class="card-title">Bouquet 1</h5>
25                     <p class="card-text">A stunning mix of artificial flowers and chocolates perfect for any occasio
26                 </div>
27             </div>
28         </div>
29     </div>
30 </div>
```

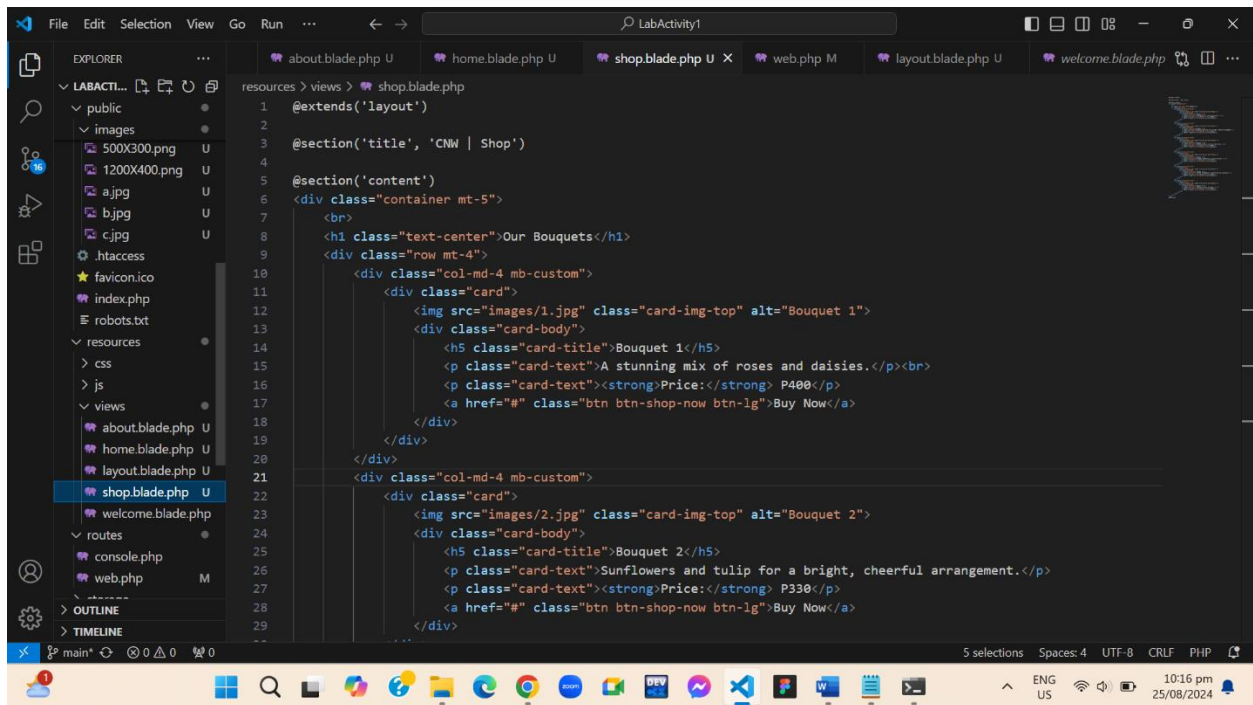
## Creating Views: about.blade.php



The screenshot shows the Visual Studio Code editor with the file explorer on the left. The file explorer shows a project structure with folders like 'public' and 'resources', and files like '500X300.png', '1200X400.png', 'a.jpg', 'b.jpg', 'c.jpg', '.htaccess', 'favicon.ico', 'index.php', 'robots.txt', 'resources', 'css', 'js', 'views', 'about.blade.php', 'home.blade.php', 'layout.blade.php', 'shop.blade.php', 'welcome.blade.php', 'routes', 'console.php', 'web.php', 'OUTLINE', and 'TIMELINE'. The 'views' folder is expanded, and 'about.blade.php' is selected. The main editor shows the content of 'about.blade.php' with the following code:

```
1 @extends('layout')
2
3 @section('title', 'CNW | About')
4
5 @section('content')
6 <div class="container mt-5">
7     <br>
8     <h1 class="text-center">About CNW</h1>
9     <p class="text-center">Crafts N' Wraps is a flower shop offering exquisite bouquets crafted with love and care.
10     <div class="row mt-4">
11         <div class="col-md-6">
12             
13         </div>
14         <div class="col-md-6">
15             <h3>Our Story</h3>
16             <p>Founded in 2024, CNW began as a small passion project. Today, we are proud to have grown into a below
17         </div>
18     </div>
19 </div>
20 @endsection
```

## Creating Views: shop.blade.php

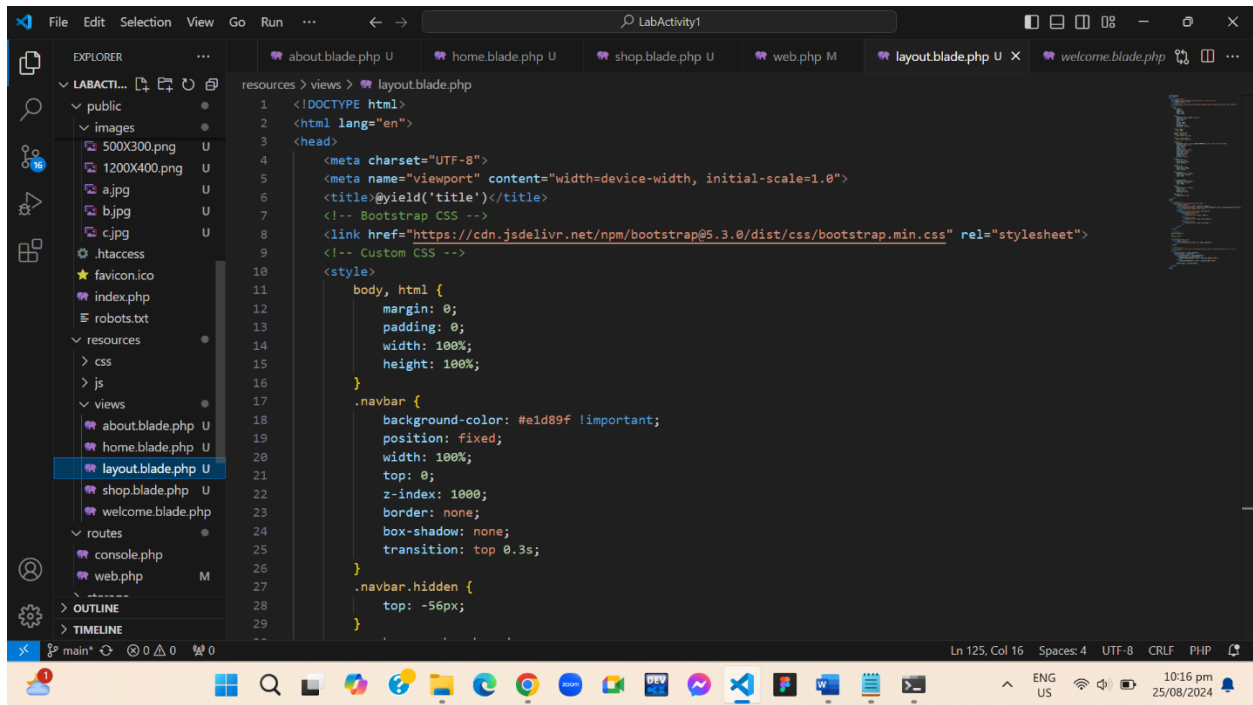


The screenshot shows the Visual Studio Code editor with the file explorer on the left. The file explorer shows a project structure with folders like 'public' and 'resources', and files like '500X300.png', '1200X400.png', 'a.jpg', 'b.jpg', 'c.jpg', '.htaccess', 'favicon.ico', 'index.php', 'robots.txt', 'resources', 'css', 'js', 'views', 'about.blade.php', 'home.blade.php', 'layout.blade.php', 'shop.blade.php', 'welcome.blade.php', 'routes', 'console.php', 'web.php', 'OUTLINE', and 'TIMELINE'. The 'views' folder is expanded, and 'shop.blade.php' is selected. The main editor shows the content of 'shop.blade.php' with the following code:

```
1 @extends('layout')
2
3 @section('title', 'CNW | Shop')
4
5 @section('content')
6 <div class="container mt-5">
7     <br>
8     <h1 class="text-center">Our Bouquets</h1>
9     <div class="row mt-4">
10         <div class="col-md-4 mb-custom">
11             <div class="card">
12                 
13                 <div class="card-body">
14                     <h5 class="card-title">Bouquet 1</h5>
15                     <p class="card-text">A stunning mix of roses and daisies.</p><br>
16                     <p class="card-text"><strong>Price:</strong> P400</p>
17                     <a href="#" class="btn btn-shop-now btn-lg">Buy Now</a>
18                 </div>
19             </div>
20         </div>
21         <div class="col-md-4 mb-custom">
22             <div class="card">
23                 
24                 <div class="card-body">
25                     <h5 class="card-title">Bouquet 2</h5>
26                     <p class="card-text">Sunflowers and tulip for a bright, cheerful arrangement.</p>
27                     <p class="card-text"><strong>Price:</strong> P330</p>
28                     <a href="#" class="btn btn-shop-now btn-lg">Buy Now</a>
29                 </div>
30             </div>
31         </div>
32     </div>
33 </div>
```

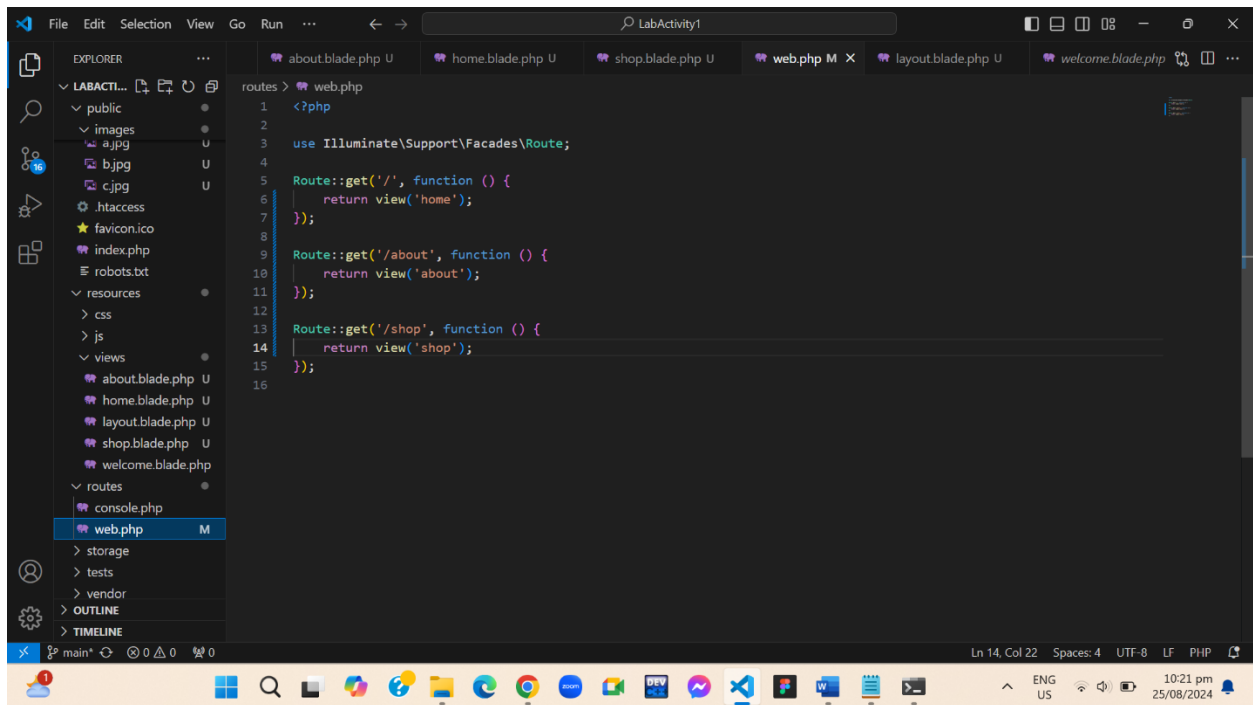


## Creating Views: layout.blade.php



```
resources > views > layout.blade.php
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>@yield('title')</title>
7 <!-- Bootstrap CSS -->
8 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
9 <!-- Custom CSS -->
10 <style>
11     body, html {
12         margin: 0;
13         padding: 0;
14         width: 100%;
15         height: 100%;
16     }
17     .navbar {
18         background-color: #e1d89f !important;
19         position: fixed;
20         width: 100%;
21         top: 0;
22         z-index: 1000;
23         border: none;
24         box-shadow: none;
25         transition: top 0.3s;
26     }
27     .navbar.hidden {
28         top: -56px;
29     }
30 </style>
31 </head>
32 <body>
33     @yield('content')
34 </body>
35 </html>
```

## Creating and Running Routes



```
routes > web.php
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4
5 Route::get('/', function () {
6     return view('home');
7 });
8
9 Route::get('/about', function () {
10     return view('about');
11 });
12
13 Route::get('/shop', function () {
14     return view('shop');
15 });
16
```

```
C:\WINDOWS\system32\cmd. X + v
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Princess Diane>cd Herd
C:\Users\Princess Diane\Herd>cd LabActivity1
C:\Users\Princess Diane\Herd\LabActivity1>php artisan serve

INFO Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server

2024-08-26 14:27:36 / ..... ~ 7s
2024-08-26 14:27:36 ..... ~ 7s
2024-08-26 14:27:43 /images/b.jpg ..... ~ 6.93ms
2024-08-26 14:27:43 /images/c.jpg ..... ~ 0.16ms
2024-08-26 14:27:43 /images/a.jpg ..... ~ 8.79ms
2024-08-26 14:27:43 /images/1200X400.png ..... ~ 0.22ms
2024-08-26 14:27:44 /favicon.ico ..... ~ 0.53ms
2024-08-26 14:27:50 /about ..... ~ 0.31ms
2024-08-26 14:27:50 /images/500X300.png ..... ~ 4.84ms
2024-08-26 14:27:51 /favicon.ico ..... ~ 0.35ms
2024-08-26 14:27:52 /shop ..... ~ 503.08ms
2024-08-26 14:27:53 /images/1.jpg ..... ~ 0.44ms
2024-08-26 14:27:53 /images/2.jpg ..... ~ 3.52ms
2024-08-26 14:27:53 /images/6.jpg ..... ~ 5.54ms
2024-08-26 14:27:53 /images/3.jpg ..... ~ 7.77ms
2024-08-26 14:27:53 /images/5.jpg ..... ~ 10.06ms
2024-08-26 14:27:53 /images/4.jpg ..... ~ 13.12ms
2024-08-26 14:27:54 /favicon.ico ..... ~ 0.27ms
```

View rendering in the browser: CNW | Home

http://127.0.0.1:8000/

Crafts N' Wraps

HomeAboutShop

# Crafts N' Wraps

Creating eternal treasures embraced by the heart.

Shop Now

Best Sellers



**Bouquet 1**  
A stunning mix of artificial flowers and chocolates perfect for any occasion.



**Bouquet 2**  
Brighten up someone's day with this vibrant arrangement.



**Bouquet 3**  
A classic bouquet featuring timeless floral favorites.

View rendering in the browser: CNW | About

<http://127.0.0.1:8000/about>

Crafts N' Wraps

[Home](#) [About](#) [Shop](#)

## About CNW

Crafts N' Wraps is a flower shop offering exquisite bouquets crafted with love and care. Our mission is to bring beauty and joy into every home with our artificial floral arrangements.



### Our Story

Founded in 2024, CNW began as a small passion project. Today, we are proud to have grown into a beloved local business known for our unique and high-quality bouquets.

© 2024 Crafts N' Wraps. All rights reserved.

View rendering in the browser: CNW | Shop

http://127.0.0.1:8000/shop

## Our Bouquets



**Bouquet 1**  
A stunning mix of roses and daisies.

Price: P400

Buy Now



**Bouquet 2**  
Sunflowers and tulip for a bright, cheerful arrangement.

Price: P330

Buy Now



**Bouquet 3**  
A romantic blend of red and cream roses.

Price: P500

Buy Now



**Bouquet 4**  
An elegant combination of roses and daisy.

Price: P470

Buy Now



**Bouquet 5**  
A vibrant arrangement of butterflies and chocolates.

Price: P450

Buy Now



**Bouquet 6**  
A beautiful single sunflower.

Price: P150

Buy Now