

DOCUMENTATION

```
Command Prompt
Microsoft Windows [Version 10.0.22631.4037]
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C:\Users\PC>cd herd
C:\Users\PC\Herd>laravel new project

  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]:
>

Creating a "laravel/laravel" project at "./project"
Installing laravel/laravel (v11.1.4)
- Installing laravel/laravel (v11.1.4): Extracting archive
Created project in C:\Users\PC\Herd\project
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 107 installs, 0 updates, 0 removals
- Locking brick/math (0.12.1)
- Locking carbonphp/carbon-doctrine-types (3.2.0)
```

```
Command Prompt

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 ..... 14.07ms DONE

INFO: Running migrations.

0001_01_01_000000_create_users_table ..... 34.21ms DONE
0001_01_01_000001_create_cache_table ..... 11.39ms DONE
0001_01_01_000002_create_jobs_table ..... 25.66ms DONE

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

./composer.json has been updated
Using version ^2.35 for pestphp/pest
Using version ^2.4 for pestphp/pest-plugin-laravel
./composer.json has been updated
Loading composer repositories with package information
Updating dependencies
Lock file operations: 13 installs, 21 updates, 0 removals
- Locking brianium/paratest (v7.4.3)
- Locking doctrine/deprecations (1.1.3)
- Locking fidry/cpu-core-counter (1.1.0)
- Locking jean85/pretty-package-versions (2.0.6)
- Locking pestphp/pest (v2.35.1)
- Locking pestphp/pest-plugin (v2.1.1)
- Locking pestphp/pest-plugin-arch (v2.7.0)
- Locking pestphp/pest-plugin-laravel (v2.4.0)
- Locking phpdocumentor/reflection-common (2.2.0)
```

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Command Prompt
- 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
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

INFO Discovering packages.

laravel/sail ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE

79 packages you are using are looking for funding.
Use the 'composer fund' command to find out more!
> @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
```

```
Command Prompt
g file
20/33 [====>] 87%
32/33 [====>] 96%
33/33 [====>] 100%
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

INFO Discovering packages.

laravel/sail ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
pestphp/pest-plugin-laravel ..... DONE

85 packages you are using are looking for funding.
Use the 'composer fund' command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force

INFO No publishable resources for tag [laravel-assets].

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 [project]. You can start your local development using:

→ cd project
→ php artisan serve

New to Laravel? Check out our bootcamp and documentation. Build something amazing!
```

```
Command Prompt - php artis x + v
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 [rialynProject]. You can start your local development using:

→ cd rialynProject
→ php artisan serve

New to Laravel? Check out our bootcamp and documentation. Build something amazing!

C:\Users\PC\Herd>php artisan serve
Could not open input file: artisan

C:\Users\PC\Herd>php artisan serve
Could not open input file: artisan

C:\Users\PC\Herd>cd rialynProject

C:\Users\PC\Herd\rialynProject>php artisan serve

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

Press Ctrl+C to stop the server
```

```
Command Prompt x + v
Microsoft Windows [Version 10.0.22631.4037]
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C:\Users\PC>cd herd

C:\Users\PC\Herd>cd rialynProject

C:\Users\PC\Herd\rialynProject>cd resorces
The system cannot find the path specified.

C:\Users\PC\Herd\rialynProject>cd resources

C:\Users\PC\Herd\rialynProject\resources>cd vies
The system cannot find the path specified.

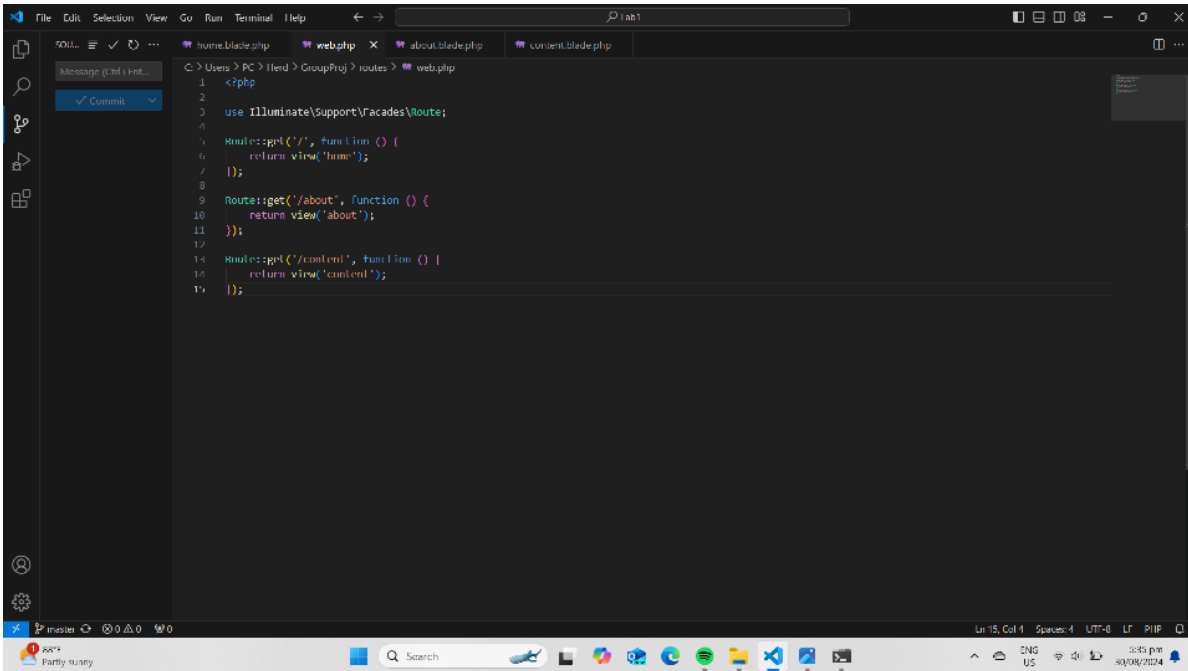
C:\Users\PC\Herd\rialynProject\resources>cd views

C:\Users\PC\Herd\rialynProject\resources\views>echo. >about.blade.php

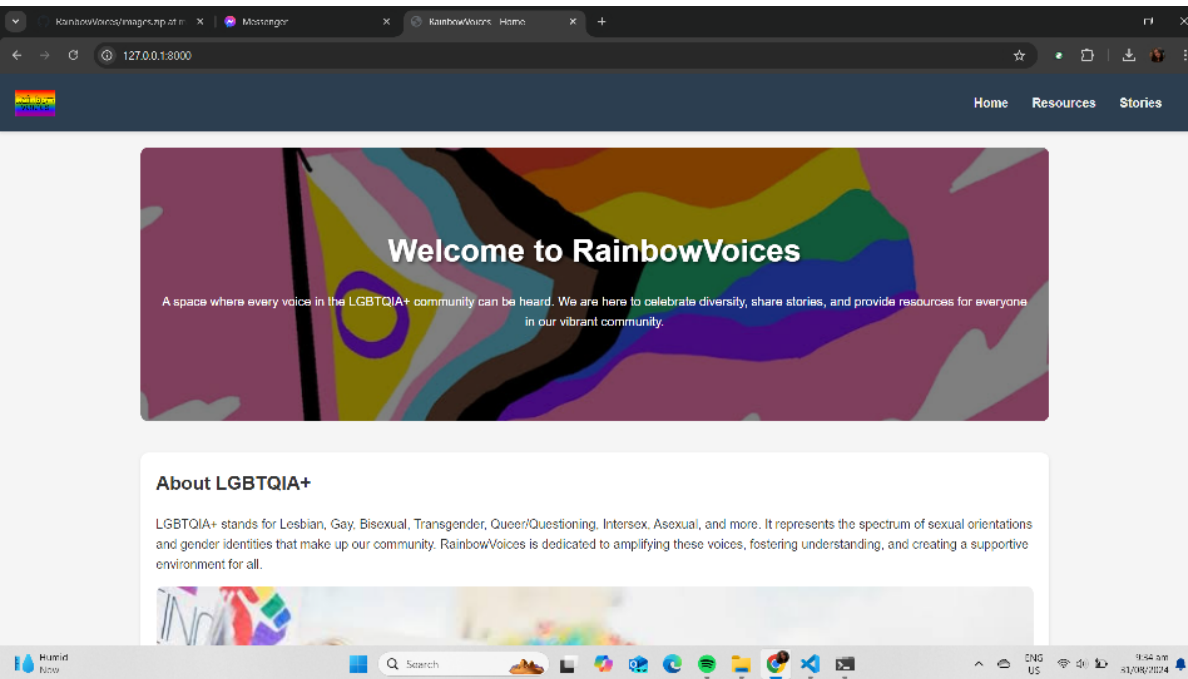
C:\Users\PC\Herd\rialynProject\resources\views>echo. >home.blade.php

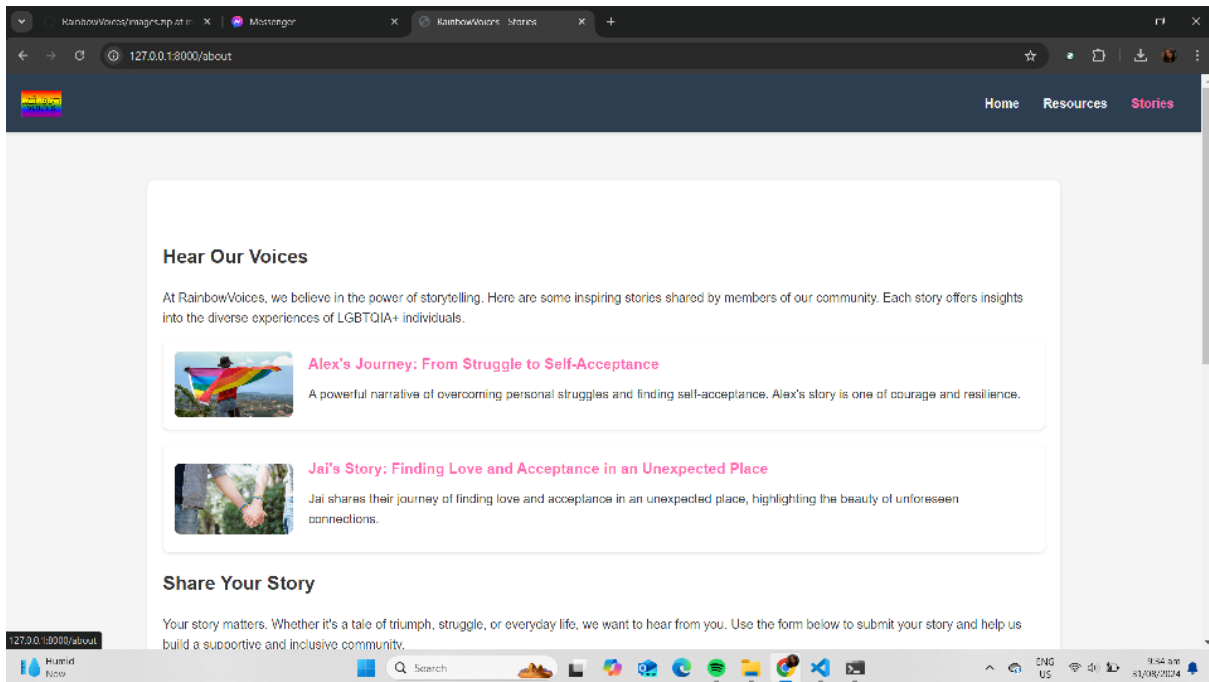
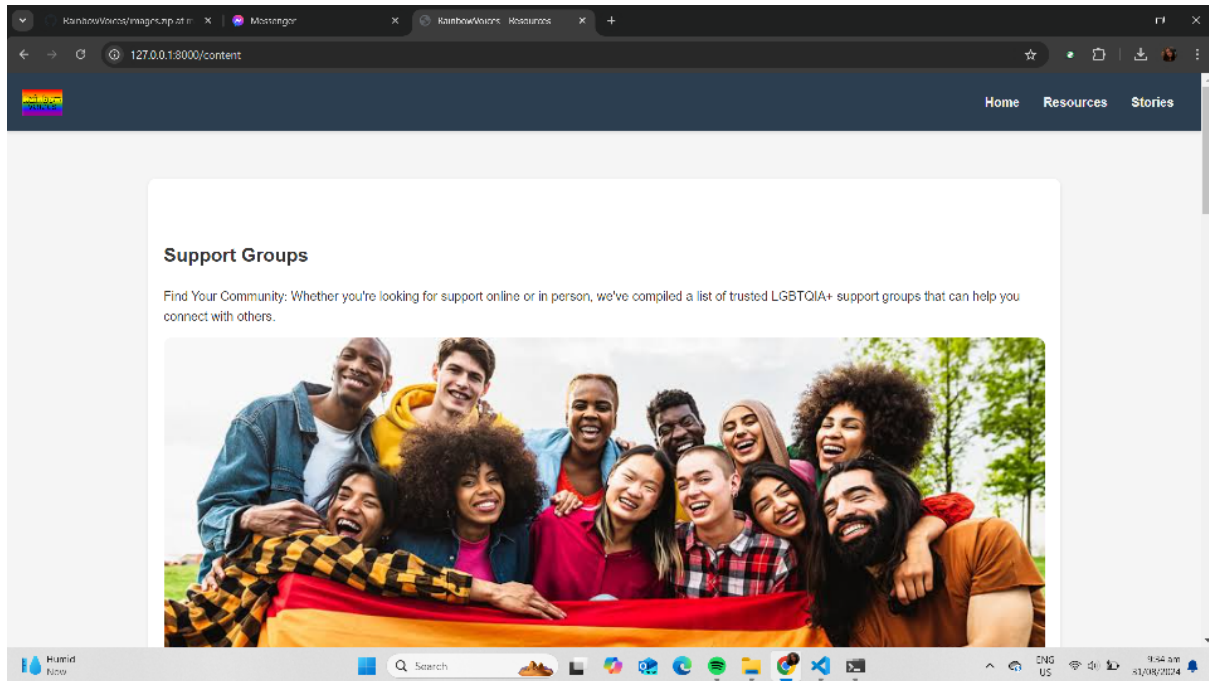
C:\Users\PC\Herd\rialynProject\resources\views>echo. >content.blade.php

C:\Users\PC\Herd\rialynProject\resources\views>
```



```
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('/content', function () {
14    return view('content');
15 });
```





Key directories and files in my Laravel project and their purposes

1. *app/ Directory*

This contains the core business logic of my application. It houses most of the classes that my application uses, such as controllers, models, middleware, and service providers.

2. *bootstrap/ Directory*

Manages the bootstrapping process of the framework, which is the first step in launching the application.

3. *config/ Directory*

Contains all configuration files for my application. Each file in this directory is responsible for configuring a specific part of the application, such as database connections, mail settings, and more.

app.php - Configures application settings, such as timezone, locale, and service providers.

database.php - Contains database connection configurations.

4. *database/ Directory*

Manages the database-related components of my application.

factories/ - Contains factory classes used to generate fake data for testing.

migrations/ - Stores database migration files, which are used to create and modify database tables.

seeders/ - Contains seed classes used to populate the database with sample or initial data.

5. *public/ Directory*

The entry point for all requests to my application. It contains the *index.php* file, which is the main entry script.

index.php - The front controller for all HTTP requests.

css/, js/, images/ - Directories where static assets like CSS, JavaScript, and images are stored.

6. *resources/ Directory*

Contains my views (HTML), raw assets (JavaScript), and language files

views/ - Stores Blade templates, which are used to render the HTML for my application

lang/ - Contains language files for localization.

js/ - Contains frontend assets that need to be compiled

7. routes/ Directory

Contains all route definitions for my application. Laravel includes different files for different types of routes, such as web and API routes.

web.php - Defines routes that are meant for web (HTTP) requests.

8. storage/ Directory

Stores logs, compiled Blade templates, file-based sessions, and cached files.

app/ - Used to store user-uploaded files.

logs/ - Stores application log files.

framework/ - Contains files generated by the framework such as sessions, cache, and compiled views.

9. tests/ Directory

Contains the automated tests for my application.

Feature/ - Contains feature tests, which test the entire application stack.

Unit/ - Contains unit tests, which test individual units of code.

10. vendor/ Directory

Contains all Composer-managed dependencies and the Laravel framework itself. This directory is automatically generated when you run composer install.

11. .env File

Stores environment-specific configuration, such as database credentials, API keys, and environment modes (local, production). This file is not meant to be shared publicly or committed to version control.

12. artisan File

The command-line interface for Laravel. This file allows you to run Artisan commands, such as migrations, server start, or custom commands.

