

6. IDENTIFY AND DOCUMENT THE PURPOSE OF KEY DIRECTORIES AND FILES IN THE LARAVEL PROJECT.

Root Directory

- **artisan:**
A command-line interface included with Laravel, offering various commands to aid in development and perform common tasks like database migrations, running tests, etc.
- **.env:**
Stores environment-specific variables like database credentials, application URLs, and other configuration settings. This file should not be committed to version control.

app/Directory

- **app\Console/:**
Contains custom Artisan commands.
- **app\Http/:**
 - **Controllers/:**
Houses all the controller classes, which handle requests and return responses.
- **app\Models/:**
Contains Eloquent model classes representing the database tables.
- **app\Providers/:**
Contains service provider classes that bootstrap application services, event listeners, and route model bindings.

bootstrap/ Directory

- **app.php:**
Initializes the application, setting up error handling, loading configuration files, and preparing the service container.
- **cache/:**
Contains files generated by the framework for caching purposes, including routes, services, and configuration caching.

config/Directory

Contains various configuration files for the application, like app.php, database.php, mail.php, etc., which allow you to manage the behavior of different services and features.

database/Directory

- **migrations/:**
Houses migration files used for creating and modifying database tables.
- **factories/:**
Contains factory classes used for generating test data.
- **seeders/:**
Contains seeder classes that populate the database with sample data.

public/Directory

- **index.php**
The front controller of the application, which handles all incoming requests and routes them to the appropriate controller.
- **css/,js/,images/:**
Stores front-end assets like compiled CSS, JavaScript files, and images.

resources/Directory

- **views/:**
Contains Blade template files (.blade.php) which are used to render the HTML output.
- **js/, sass/:**
Stores raw JavaScript and Sass files to be compiled by Laravel Mix.

routes/Directory

- **web.php:**
Defines routes that are available via web (browser) requests.
- **console.php:**
Defines console-based routes for Artisan commands.

storage/Directory

- **app/:**
Stores application-specific files, such as file uploads.
- **framework:**
Contains framework-generated files, like session data, cached views, and other temporary files.
- **logs/:**
Contains application log files.

tests/Directory

- **feature/:**
Houses feature tests, which test larger portions of the application (e.g., a route or controller).
- **unit/:**
Contains unit tests, which test individual classes or methods.

vendor/Directory

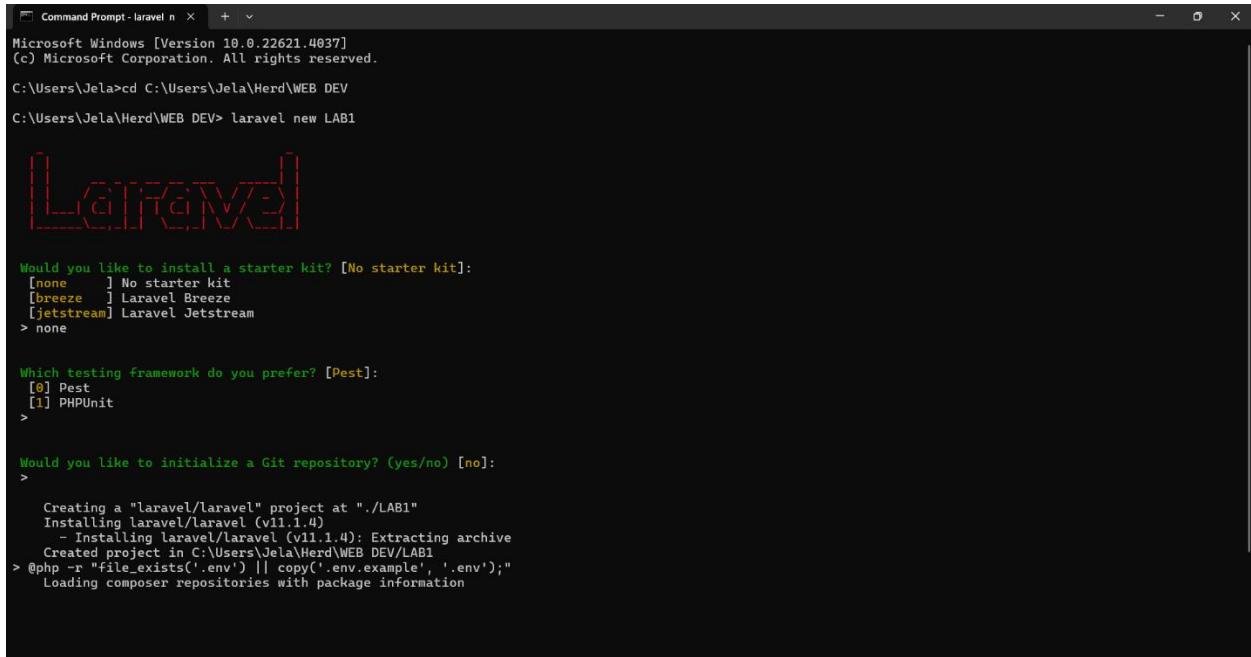
Contains all third-party packages installed via Composer. This directory should not be manually edited.

.gitignore File

Specifies files and directories that should be ignored by Git, such as node_modules/, .env, and vendor/.

7. DOCUMENT EACH STEP (FROM INSTALLATION TO NAVIGATION OF THE PAGES) BY TAKING SCREENSHOTS

- INSTALL LARAVEL ALONG WITH ITS DEPENDENCIES



```
Command Prompt - laravel n × + ▾
Microsoft Windows [Version 10.0.22621.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Jela>cd C:\Users\Jela\Herd\WEB DEV
C:\Users\Jela\Herd\WEB DEV> laravel new LAB1

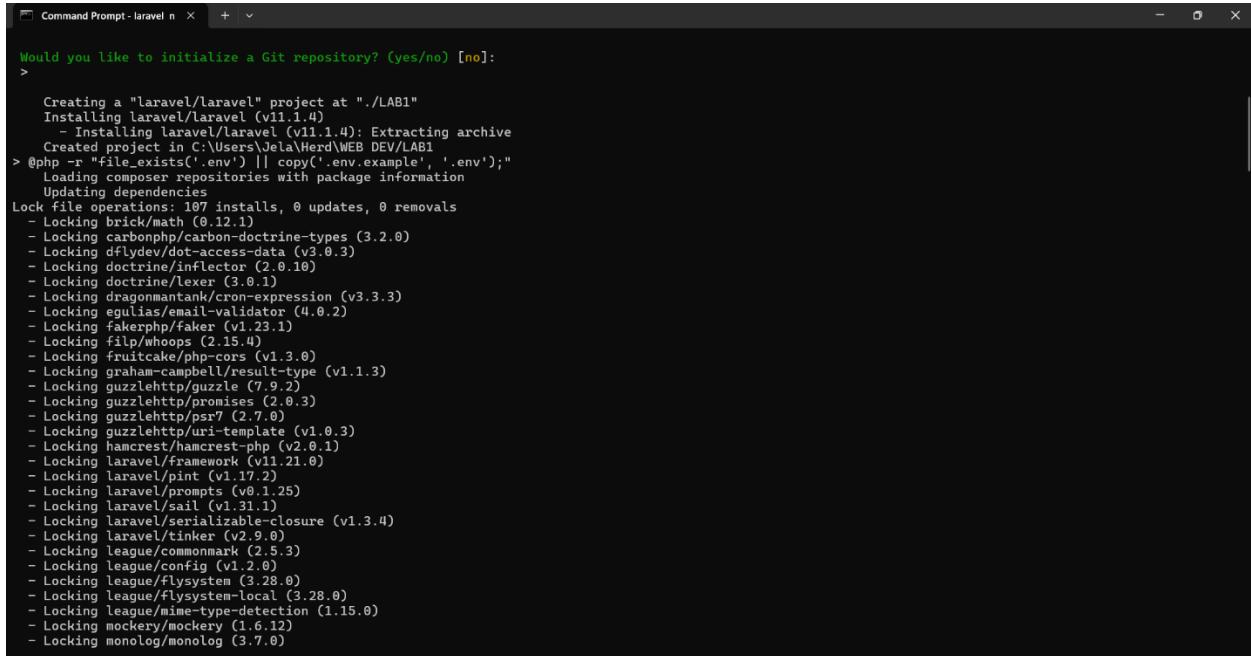
[LAB1] [LAB1]

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

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 "./LAB1"
Installing laravel/laravel (v11.1.4)
- Installing laravel/laravel (v11.1.4): Extracting archive
Created project in C:\Users\Jela\Herd\WEB DEV\LAB1
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
```



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Command Prompt - laravel n × + ▾
Would you like to initialize a Git repository? [yes/no] [no]:
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Creating a "laravel/laravel" project at "./LAB1"
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Created project in C:\Users\Jela\Herd\WEB DEV\LAB1
> @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)
- Locking dflydev/dot-access-data (v3.0.3)
- Locking doctrine/inflector (2.0.10)
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- Locking dragontank/cron-expression (v3.3.3)
- Locking egulias/email-validator (4.0.2)
- Locking fakerphp/faker (v1.23.1)
- Locking filp/whoops (2.15.4)
- Locking fruitcake/php-cors (v1.3.0)
- Locking graham-campbell/result-type (v1.1.3)
- Locking guzzlehttp/guzzle (7.9.2)
- Locking guzzlehttp/promises (2.0.3)
- Locking guzzlehttp/psr7 (2.7.0)
- Locking guzzlehttp/uri-template (v1.0.3)
- Locking hamcrest/hamcrest-php (v2.0.1)
- Locking laravel/framework (v11.21.0)
- Locking laravel/pint (v1.17.2)
- Locking laravel/prompts (v0.1.25)
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- Locking league/config (v1.2.0)
- Locking league/flysystem (3.28.0)
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- Locking league/mime-type-detection (1.15.0)
- Locking mockery/mockery (1.6.12)
- Locking monolog/monolog (3.7.0)
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- Locking nette/schema (v1.3.0)
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- Locking nikic/php-parser (v5.1.0)
- Locking nunomaduro/collision (v8.4.0)
- Locking nunomaduro/termwind (v2.0.1)
- Locking phar-io/manifest (2.0.4)
- Locking phar-io/version (3.2.1)
- Locking phppoption/phppoption (1.9.3)
- Locking phpunit/php-code-coverage (11.0.6)
- Locking phpunit/php-file-iterator (5.0.1)
- Locking phpunit/php-invoker (5.0.1)
- Locking phpunit/php-text-template (4.0.1)
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- Locking phpunit/phpunit (11.3.1)
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- Locking sebastian/environment (7.2.0)
- Locking sebastian/exporter (6.1.3)
- Locking sebastian/global-state (7.0.2)
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- Locking symfony/error-handler (v7.1.3)
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- Locking symfony/mailer (v7.1.2)
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- Locking symfony/polyfill-intl-grapheme (v1.30.0)
- Locking symfony/polyfill-intl-idn (v1.30.0)
- Locking symfony/polyfill-intl-normalizer (v1.30.0)
- Locking symfony/polyfill-mbstring (v1.30.0)
- Locking symfony/polyfill-php72 (v1.30.0)
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- Locking symfony/translation-contracts (v3.5.0)
- Locking symfony/uid (v7.1.1)
- Locking symfony/var-dumper (v7.1.3)
- Locking symfony/yaml (v7.1.1)
- Locking theseer/tokenizer (1.2.3)
- Locking tijssverkoyen/css-to-inline-styles (v2.2.7)
- Locking vlucas/phpdotenv (v5.6.1)
- Locking voku/portable-ascii (2.0.1)
- Locking webmozart/assert (1.11.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 107 installs, 0 updates, 0 removals
  0 [>-----] 0 [>-----]
- Installing doctrine/inflexion (2.0.10): Extracting archive
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- 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深深-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
```

```
Command Prompt - laravel n × + ▾
- 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深深-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
numonaduro/collision ..... DONE
numonaduro/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
```

```
| Command Prompt - laravel n + v
|   - 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% DONE
|     20/97 [======>-----] 20% DONE
|     30/97 [=======>-----] 30% DONE
|     40/97 [=======>-----] 41% DONE
|     50/97 [=======>-----] 51% DONE
|     60/97 [=======>-----] 61% DONE
|     70/97 [=======>-----] 72% DONE
|     80/97 [=======>-----] 82% DONE
|     90/97 [=======>-----] 92% DONE
|     97/97 [=======>-----] 100% DONE
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]. DONE

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 - laravel n + v
| > 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]. DONE

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. .... 13.93ms DONE

Creating migration table ..... 44.75ms DONE
INFO Running migrations.

0001_01_01_00000_create_users_table ..... 29.99ms DONE
0001_01_01_000001_create_cache_table ..... 65.00ms DONE
0001_01_01_000002_create_jobs_table ..... 44.75ms DONE

Which database will your application use? [SQLite]:
[sqlite ] SQLite
[mysql ] MySQL
[mariadb] MariaDB
[pgsql ] PostgreSQL
```

```
| Command Prompt - laravel n | + ~
0001_01_01.000002_create_jobs_table ..... 65.00ms DONE

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

./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 briainum/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 phddocumentor/reflection-common (2.2.0)
- Locking phddocumentor/reflection-docblock (5.4.1)
- Locking phddocumentor/type-resolver (1.8.2)
- Locking phptan/phpdoc-parser (1.29.1)
- Downgrading phunit/php-code-coverage (11.0.6 => 10.1.16)
- Downgrading phunit/php-file-iterator (5.0.1 => 4.1.0)
- Downgrading phunit/php-invoker (5.0.1 => 4.0.0)
- Downgrading phunit/php-text-template (4.0.1 => 3.0.1)
- Downgrading phunit/php-timer (7.0.1 => 6.0.0)
- Downgrading phunit/phpunit (11.3.1 => 10.5.17)
- Downgrading sebastian/cli-parser (3.0.2 => 2.0.1)
- Downgrading sebastian/code-unit (3.0.1 => 2.0.0)
- Downgrading sebastian/code-unit-reverse-lookup (4.0.1 => 3.0.0)
- Downgrading sebastian/comparator (6.0.2 => 5.0.2)
- Downgrading sebastian/complexity (4.0.1 => 3.2.0)
```

```
| Command Prompt - laravel n | + ~
- 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 phddocumentor/reflection-common (2.2.0)
- Locking phddocumentor/reflection-docblock (5.4.1)
- Locking phddocumentor/type-resolver (1.8.2)
- Locking phptan/phpdoc-parser (1.29.1)
- Downgrading phunit/php-code-coverage (11.0.6 => 10.1.16)
- Downgrading phunit/php-file-iterator (5.0.1 => 4.1.0)
- Downgrading phunit/php-invoker (5.0.1 => 4.0.0)
- Downgrading phunit/php-text-template (4.0.1 => 3.0.1)
- Downgrading phunit/php-timer (7.0.1 => 6.0.0)
- Downgrading phunit/phpunit (11.3.1 => 10.5.17)
- Downgrading sebastian/cli-parser (3.0.2 => 2.0.1)
- Downgrading sebastian/code-unit (3.0.1 => 2.0.0)
- Downgrading sebastian/code-unit-reverse-lookup (4.0.1 => 3.0.0)
- Downgrading sebastian/comparator (6.0.2 => 5.0.2)
- Downgrading sebastian/complexity (4.0.1 => 3.2.0)
- Downgrading sebastian/diff (6.0.2 => 5.1.1)
- Downgrading sebastian/environment (7.2.0 => 6.1.0)
- Downgrading sebastian/exporter (6.1.3 => 5.1.2)
- Downgrading sebastian/global-state (7.0.2 => 6.0.2)
- Downgrading sebastian/lines-of-code (3.0.1 => 2.0.2)
- Downgrading sebastian/object-enumerator (6.0.1 => 5.0.0)
- Downgrading sebastian/object-reflector (4.0.1 => 3.0.0)
- Downgrading sebastian/recursion-context (6.0.2 => 5.0.0)
- Downgrading sebastian/type (5.0.1 => 4.0.0)
- Downgrading sebastian/version (5.0.1 => 4.0.1)
- Locking ta-tikoma/phpunit-architecture-test (@8.4)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 13 installs, 21 updates, 0 removals
  0 [-----] 0 [-----]
- Installing pestphp/pest-plugin (v2.1.1): Extracting archive
- Downgrading sebastian/environment (7.2.0 => 6.1.0): Extracting archive
- Downgrading sebastian/version (5.0.1 => 4.0.1): Extracting archive
- Downgrading sebastian/type (5.0.1 => 4.0.0): Extracting archive
- Downgrading sebastian/recursion-context (6.0.2 => 5.0.0): Extracting archive
- Downgrading sebastian/object-reflector (4.0.1 => 3.0.0): Extracting archive
```

```
Command Prompt - laravel n + x
0 [-----] 0 [-----]
- Installing pestphp/pest-plugin (v2.1.1): Extracting archive
- Downgrading sebastian/environment (7.2.0 => 6.1.0): Extracting archive
- Downgrading sebastian/version (5.0.1 => 4.0.1): Extracting archive
- Downgrading sebastian/type (5.0.1 => 4.0.0): Extracting archive
- Downgrading sebastian/recursion-context (6.0.2 => 5.0.0): Extracting archive
- Downgrading sebastian/object-reflector (4.0.1 => 3.0.0): Extracting archive
- Downgrading sebastian/object-enumerator (6.0.1 => 5.0.0): Extracting archive
- Downgrading sebastian/global-state (7.0.2 => 6.0.2): Extracting archive
- Downgrading sebastian/exporter (6.1.3 => 5.1.2): Extracting archive
- Downgrading sebastian/diff (6.0.2 => 5.1.1): Extracting archive
- Downgrading sebastian/comparator (6.0.2 => 5.0.2): Extracting archive
- Downgrading sebastian/code-unit (3.0.1 => 2.0.0): Extracting archive
- Downgrading sebastian/cli-parser (3.0.2 => 2.0.1): Extracting archive
- Downgrading phpsuit/php-timer (7.0.1 => 6.0.0): Extracting archive
- Downgrading phpsuit/php-text-template (4.0.1 => 3.0.1): Extracting archive
- Downgrading phpsuit/php-invoker (5.0.1 => 4.0.0): Extracting archive
- Downgrading phpsuit/php-file-iterator (5.0.1 => 4.1.0): Extracting archive
- Downgrading sebastian/lines-of-code (3.0.1 => 2.0.2): Extracting archive
- Downgrading sebastian/complexity (4.0.1 => 3.2.0): Extracting archive
- Downgrading phpsuit/php-code-coverage (11.0.6 => 10.1.16): Extracting archive
- Downgrading phpsuit/phpunit (11.3.1 => 10.5.17): Extracting archive
- Installing jean85/pretty-package-versions (2.0.6): Extracting archive
- Installing fidry/cpu-core-counter (1.1.0): Extracting archive
- Installing brianium/paratest (v7.4.3): Extracting archive
- Installing phpsan/phpdoc-parser (1.29.1): Extracting archive
- Installing pestphp/pest-plugin-laravel (v2.4.0): Extracting archive
0/33 [-----] 0%
10/33 [=====] 30%
20/33 [=====] 60% Skipped installation of bin bin/paratest.bat for package brianium/paratest: name conflicts with an existing file
29/33 [=====] 87%
```

```
Command Prompt + x
- Downgrading phpunit/php-file-iterator (5.0.1 => 4.1.0): Extracting archive
- Downgrading sebastian/lines-of-code (3.0.1 => 2.0.2): Extracting archive
- Downgrading sebastian/complexity (4.0.1 => 3.2.0): Extracting archive
- Downgrading sebastian/code-unit-reverse-lookup (4.0.1 => 3.0.0): Extracting archive
- Downgrading phpsuit/php-code-coverage (11.0.6 => 10.1.16): Extracting archive
- Downgrading phpsuit/phpunit (11.3.1 => 10.5.17): Extracting archive
- Installing jean85/pretty-package-versions (2.0.6): Extracting archive
- Installing fidry/cpu-core-counter (1.1.0): Extracting archive
- Installing brianium/paratest (v7.4.3): Extracting archive
- Installing phpsan/phpdoc-parser (1.29.1): Extracting archive
- Installing pestphp/pest-plugin-laravel (v2.4.0): Extracting archive
0/33 [-----] 0%
10/33 [=====] 30%
20/33 [=====] 60% Skipped installation of bin bin/paratest.bat for package brianium/paratest: name conflicts with an existing file
29/33 [=====] 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!
```

```
| Command Prompt x + v
29/33 [======>---] 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 ...
laravel/tinker ...
nesbot/carbon ...
numonaduro/collision ...
numonaduro/termwind ...
pestphp/pest-plugin-laravel ...

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 [LAB1]. You can start your local development using:
→ cd LAB1
→ php artisan serve

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

```
| Command Prompt - php art x + v
laravel/tinker ...
nesbot/carbon ...
numonaduro/collision ...
numonaduro/termwind ...
pestphp/pest-plugin-laravel ...

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 [LAB1]. You can start your local development using:
→ cd LAB1
→ php artisan serve

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

C:\Users\Jela\Herd\WEB DEV>cd LAB1
C:\Users\Jela\Herd\WEB DEV\LAB1>php artisan serve
[INFO] Server running on [http://127.0.0.1:8000].
Press Ctrl+C to stop the server
```

```
| Command Prompt | + - x
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.

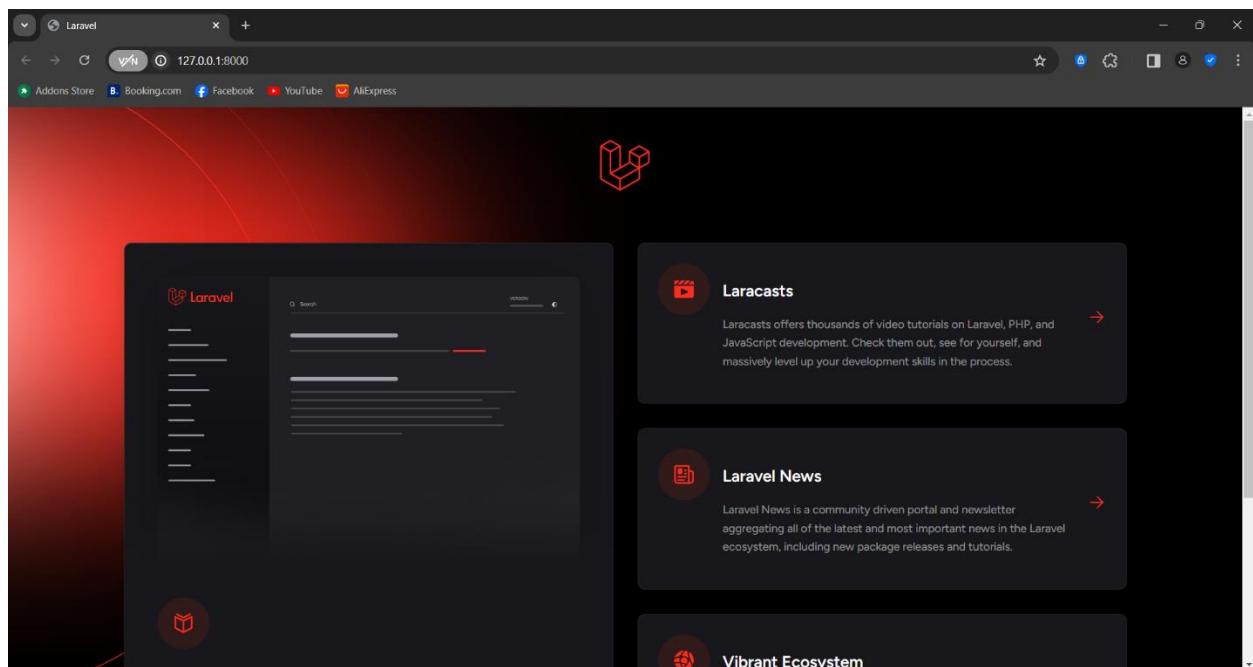
    phpunit.xml ..... File already exists.
tests/Pest.php ..... File created.
tests/TestCase.php ..... File already exists.
tests/Unit/ExampleTest.php ..... File already exists.
tests/Feature/ExampleTest.php ..... File already exists.

[INFO] Application ready in [LAB1]. You can start your local development using:

→ cd LAB1
→ php artisan serve

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

C:\Users\Jela\Herd\WEB DEV>cd LAB1
C:\Users\Jela\Herd\WEB DEV\LAB1>php artisan serve
[INFO] Server running on [http://127.0.0.1:8000].
Press Ctrl+C to stop the server
2024-08-23 08:49:49 / ~ ls
2024-08-23 08:49:49 /favicon.ico ~ ls
C:\Users\Jela\Herd\WEB DEV\LAB1|
```



- CREATE A LARAVEL PROJECT AND PUT IT IN A GIT REPOSITORY

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner *	Repository name *
Jelamaee	/ GriloLAB1

GriloLAB1 is available.

Great repository names are short and memorable. Need inspiration? How about `laughing-chainsaw`?

Description (optional)

Public Anyone on the internet can see this repository. You choose who can commit.

Private You choose who can see and commit to this repository.

Initialize this repository with:

Add a README file This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

```
MINGW64:/c/Users/jela/Herd/WEB DEV/LAB1
jelamaee@APTOP-L60P84LB MINGW64 ~/Herd/WEB DEV/LAB1
$ git init
Initialized empty Git repository in C:/Users/jela/Herd/WEB DEV/LAB1/.git/
jelamaee@APTOP-L60P84LB MINGW64 ~/Herd/WEB DEV/LAB1 (master)
$ git add .

jelamaee@APTOP-L60P84LB MINGW64 ~/Herd/WEB DEV/LAB1 (master)
$ git commit -m "First commit"
[master (root-commit) daa9b30] First commit
 56 files changed, 1088 insertions(+)
create mode 100644 .editorconfig
create mode 100644 .env.example
create mode 100644 .gitattributes
create mode 100644 .gitignore
create mode 100644 .gitmodules
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/cache/.gitignore
create mode 100644 composer.json
create mode 100644 config/auth.php
create mode 100644 config/cache.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/validation.php
create mode 100644 database/.gitignore
create mode 100644 database/factories/UserFactory.php
create mode 100644 database/migrations/0001_01_01_00000_create_users_table.php
create mode 100644 database/migrations/0001_01_01_00001_create_cache_table.php
create mode 100644 database/migrations/0001_01_01_00002_create_jobs_table.php
create mode 100644 database/seeds/databaseSeeder.php
create mode 100644 package.json
create mode 100644 phpunit.xml
create mode 100644 resources/assets/css/app.css
create mode 100644 resources/assets/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/api.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
```

```
MINGW64/c/Users/jela/Herd/WEB DEV/LAB1
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/cache/seeders.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/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_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/seeds/DatabaseSeeder.php
create mode 100644 database/seeds/UserSeeder.php
create mode 100644 db.php
create mode 100644 dump.sql
create mode 100644 .env
create mode 100644 .env.example
create mode 100644 .gitignore
create mode 100644 .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 routes/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
create mode 100644 vite.config.js

jelal@LAPTOP-L60P84LB MINGW64 ~/Herd/WEB DEV/LAB1 (master)
```

```
MINGW64/c/Users/jela/Herd/WEB DEV/LAB1
create mode 100644 config/mail.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_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/seeds/DatabaseSeeder.php
create mode 100644 db.php
create mode 100644 dump.sql
create mode 100644 .env
create mode 100644 .env.example
create mode 100644 .gitignore
create mode 100644 .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 routes/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
create mode 100644 vite.config.js

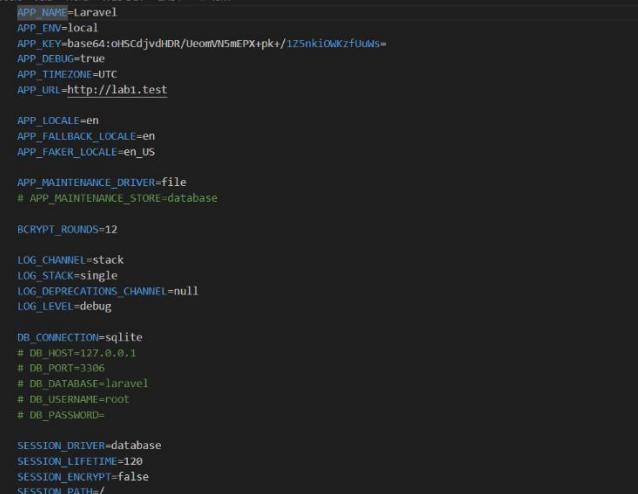
jelal@LAPTOP-L60P84LB MINGW64 ~/Herd/WEB DEV/LAB1 (master)
$ git remote add origin https://github.com/jelamaee/GnitoLAB1.git
jelal@LAPTOP-L60P84LB MINGW64 ~/Herd/WEB DEV/LAB1 (master)
$ git push origin HEAD:master
Enumerating objects: 1000, done.
Counting objects: 1000 (100%)
Delta compression using up to 12 threads
Compressing objects: 1000 (59/59), done.
Writing objects: 1000 (76/76), 66.68 KiB | 4.76 MiB/s, done.
Total 1000 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 1000 (1/1), done.
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/jelamaee/GnitoLAB1/pull/new/master
remote:
remote: https://github.com/jelamaee/GnitoLAB1.git
* [new branch]      HEAD -> master

jelal@LAPTOP-L60P84LB MINGW64 ~/Herd/WEB DEV/LAB1 (master)
```

The screenshot shows a GitHub repository page for 'GniloLAB1'. The repository is public and has 2 branches and 0 tags. The master branch has recent pushes 1 minute ago. There is one commit from 'Jelamaee' labeled 'Initial commit' at 9 minutes ago. The README file contains the text 'GniloLAB1'. The repository has 0 stars, 1 watching, and 0 forks. It also has 0 releases and 0 packages published.

This screenshot is identical to the first one, but it includes a modal dialog titled 'Switch branches/tags' over the main content area. The dialog has a search bar 'Find or create a branch...' and tabs for 'Branches' and 'Tags'. It lists two branches: 'main' and 'master'. A 'default' indicator is next to 'main'. The rest of the repository details (About, Activity, Releases, Packages) are visible below the modal.

- SET UP THE .ENV FILE TO INCLUDE DATABASE CONNECTION DETAILS



The screenshot shows the Visual Studio Code interface with the '.env' file open in the center. The file contains environment variables for a Laravel application, including APP_NAME, APP_ENV, APP_KEY, APP_DEBUG, APP_TIMEZONE, APP_URL, APP_LOCALE, APP_FALLBACK_LOCALE, APP_FAKEER_LOCALE, APP_MAINTENANCE_DRIVER, APP_MAINTENANCE_STORE, BCRYPT_ROUNDS, LOG_CHANNEL, LOG_STACK, LOG_DEPRECATED_CHANNEL, LOG_LEVEL, DB_CONNECTION, DB_HOST, DB_PORT, DB_DATABASE, DB_USERNAME, DB_PASSWORD, SESSION_DRIVER, SESSION_LIFETIME, SESSION_ENCRYPTION, SESSION_PATH, SESSION_DOMAIN, BROADCAST_CONNECTION, FILESYSTEM_DISK, and QUEUE_CONNECTION.

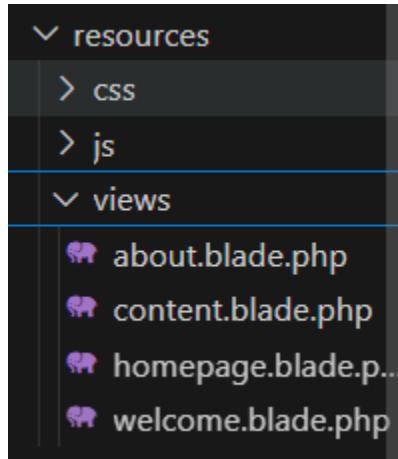
```
C:\> Users > Jela > Herd > WEB DEV > LAB1 > .env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:ohScJvdHDrUeomVl5mEPXipk+1Z5nK1oWkfUuNs=
4 APP_DEBUG=true
5 APP_TIMEZONE=UTC
6 APP_URL=http://lab1.test
7
8 APP_LOCALE=en
9 APP_FALLBACK_LOCALE=en
10 APP_FAKEER_LOCALE=en_US
11
12 APP_MAINTENANCE_DRIVER=file
13 # APP_MAINTENANCE_STORE=database
14
15 BCRYPT_ROUNDS=12
16
17 LOG_CHANNEL=stack
18 LOG_STACK=single
19 LOG_DEPRECATED_CHANNEL=null
20 LOG_LEVEL=debug
21
22 DB_CONNECTION=mysql
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_ENCRYPTION=false
32 SESSION_PATH/
33 SESSION_DOMAIN=null
34
35 BROADCAST_CONNECTION=log
36 FILESYSTEM_DISK=local
37 QUEUE_CONNECTION=database
```



The screenshot shows a code editor with a dark theme. On the left is a sidebar with various icons for file operations like Open, Save, Find, and others. The main area displays a .env configuration file for a Laravel application. The file contains environment variables such as APP_NAME, APP_ENV, APP_KEY, APP_DEBUG, APP_TIMEZONE, APP_URL, APP_LOCALE, APP_FALLBACK_LOCALE, APP_FAKE_LOCALE, APP_MAINTENANCE_DRIVER, APP_MAINTENANCE_STORE, BCRYPT_ROUNDS, LOG_CHANNEL, LOG_STACK, LOG_DEPRECATED_CHANNEL, LOG_LEVEL, DB_CONNECTION, DB_HOST, DB_PORT, DB_DATABASE, DB_USERNAME, DB_PASSWORD, SESSION_DRIVER, SESSION_LIFETIME, SESSION_ENCRYPTION, SESSION_PATH, SESSION_DOMAIN, BROADCAST_CONNECTION, FILESYSTEM_DISK, and QUEUE_CONNECTION. The file path in the top bar is C:\Users\Jela>Herd>WEB DEV>LAB1>.env.

```
C:\Users\Jela>Herd>WEB DEV>LAB1>.env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:ohSCdjyvdHDR/UeomVN5mEPX+pk+/lZ5nk10WkfUuNs=
4 APP_DEBUG=true
5 APP_TIMEZONE=UTC
6 APP_URL=http://lab1.test
7
8 APP_LOCALE=en
9 APP_FALLBACK_LOCALE=en
10 APP_FAKE_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_DEPRECATED_CHANNEL=null
20 LOG_LEVEL=debug
21
22 DB_CONNECTION=mysql
23 # DB_HOST=127.0.0.1
24 # DB_PORT=3306
25 # DB_DATABASE=c:\Users\Jela\Herd\WEB DEV\LAB1\database\database.sqlite
26 # DB_USERNAME=root
27 # DB_PASSWORD=
28
29 SESSION_DRIVER=database
30 SESSION_LIFETIME=120
31 SESSION_ENCRYPTION=false
32 SESSION_PATH/
33 SESSION_DOMAIN=null
34
35 BROADCAST_CONNECTION=log
36 FILESYSTEM_DISK=local
37 QUEUE_CONNECTION=database
```

- CREATE AT LEAST 3 VIEWS (HOMEPAGE, ABOUT, CONTENT)

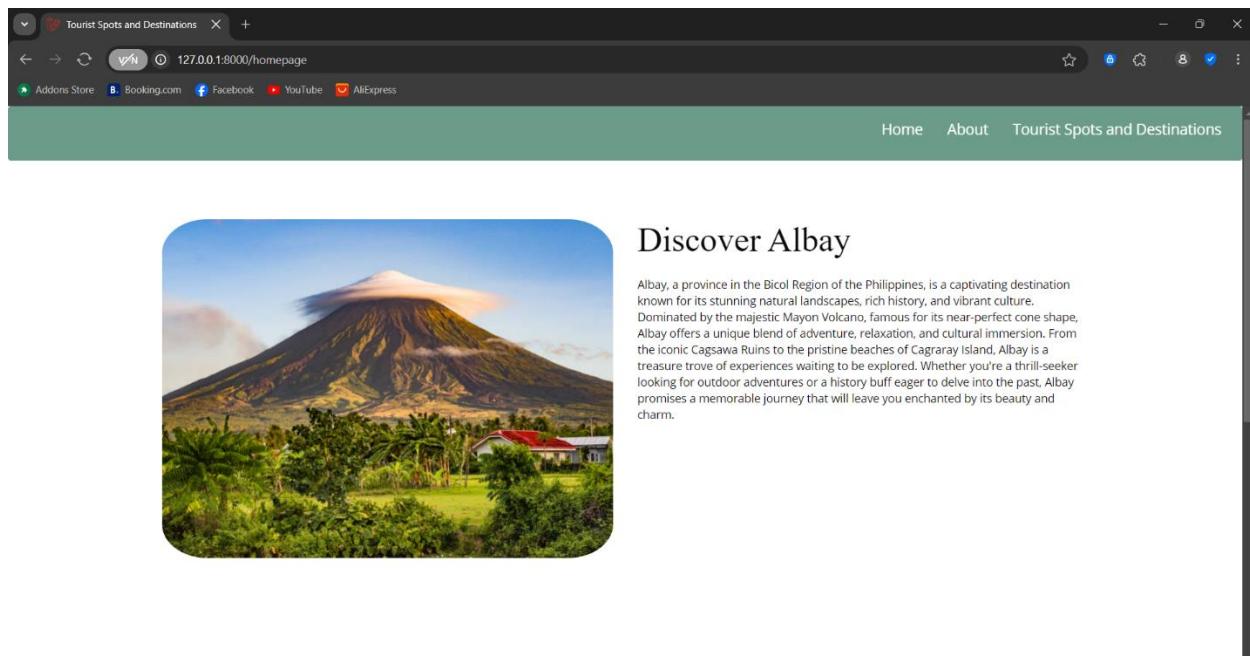


- CREATE AND RUN ROUTES

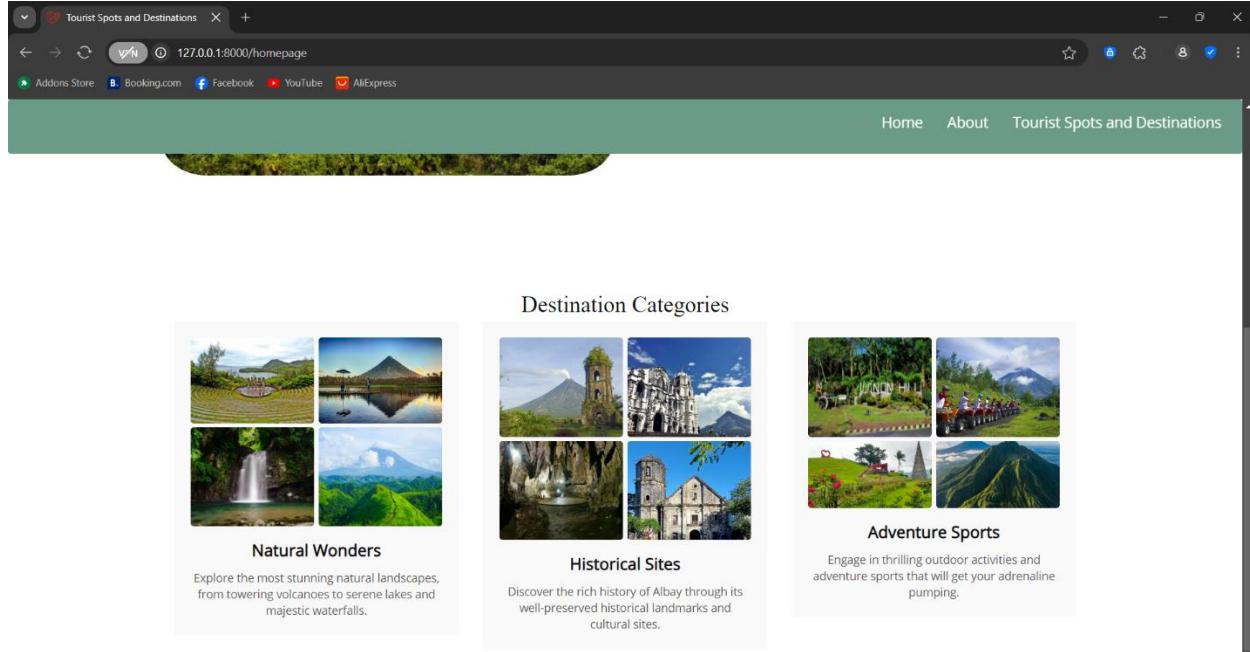
```

routes > web.php
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4
5 Route::get('/', function () {
6     return view('welcome');
7 });
8
9 //Route for homepage
10 Route::get('/homepage', function () {
11     return view('homepage');
12 });
13
14 //Route for about
15 Route::get('/about', function () {
16     return view('about');
17 });
18
19 //Route for content
20 Route::get('/content', function () {
21     return view('content');
22 });
  
```

- NAVIGATION OF THE PAGES



The screenshot shows a web browser window titled "Tourist Spots and Destinations". The address bar indicates the page is at "127.0.0.1:8000/homepage". The navigation bar includes links for "Home", "About", and "Tourist Spots and Destinations". The main content features a large, scenic photograph of Mount Mayon volcano, which is described as a "near-perfect cone shape". Below the image is a descriptive paragraph about Albay, mentioning its natural landscapes, rich history, and vibrant culture, including the Cagsawa Ruins and Cagraray Island.



The screenshot shows the same web browser window with the "Tourist Spots and Destinations" page. The main content area is divided into three sections: "Destination Categories". The first section, "Natural Wonders", contains four images of natural landscapes and a brief description encouraging exploration of stunning natural landscapes from towering volcanoes to serene lakes and majestic waterfalls. The second section, "Historical Sites", contains four images of historical landmarks and a brief description about the rich history of Albay through well-preserved historical landmarks and cultural sites. The third section, "Adventure Sports", contains four images of outdoor activities and a brief description encouraging engagement in thrilling outdoor activities and adventure sports.

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127.0.0.1:8000/about

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Why Visit Albay?

Albay, a province nestled in the heart of the Bicol region, is a captivating destination that promises a diverse array of experiences for every traveler. Known for its iconic Mayon Volcano, which boasts the world's most perfect cone, Albay is a place where natural beauty meets rich cultural heritage. From its breathtaking landscapes and historical landmarks to its vibrant festivals and mouthwatering cuisine, Albay offers a unique blend of adventure, relaxation, and cultural immersion. Whether you're an outdoor enthusiast, a history buff, or simply looking to escape the hustle and bustle of city life, Albay is a destination that will leave you in awe and inspire you to explore more.

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Brief History

Albay's history is deeply intertwined with the imposing presence of Mayon Volcano, whose eruptions have shaped both the land and the lives of its inhabitants. The province was originally inhabited by the ancient Bicolanos, and it became an important settlement during the Spanish colonial period. The town of Cagsawa, now known for the famous Cagsawa Ruins, was once a thriving community before it was buried by the catastrophic eruption of Mayon in 1814.

Throughout its history, Albay has been a melting pot of cultures, influenced by its indigenous roots, Spanish colonization, and its strategic location as a gateway to the rest of the Bicol region. Today, Albay stands as a symbol of resilience and rebirth, proudly preserving its heritage while embracing modernity. The province plays a significant role in the Philippines' cultural landscape, contributing to the nation's rich tapestry of traditions, arts, and cuisine.



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Explore Albay's Gems



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Natural Wonders

Cagrarray Eco Park - Cagrarray Island, Bacacay, Albay



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Cagraray Eco Park is an eco-tourism destination located on Cagraray Island, known for its natural beauty and environmental conservation efforts. The park features a range of activities including hiking, bird-watching, and exploring mangrove forests. It also offers stunning views of the surrounding coastline and nearby islands. The park is designed to promote environmental awareness and sustainable tourism while providing an enjoyable experience for visitors. Open all year round. Activities include sightseeing, photography, hiking, and ATV adventures.

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Sumlang Lake - Camalig, Albay



A tranquil lake with a picturesque view of Mayon Volcano, perfect for relaxation and water activities. Sumlang Lake is known for its bamboo rafts and scenic surroundings. Explore the rich culture of the southern part of Luzon by visiting Sumlang Lake, one of Albay's newest attractions. Try kayaking in the clear waters of the lake while gazing up at the historical Mayon Volcano. Have a relaxing ride on a bamboo raft while enjoying the beautiful scenery of Albay. Open daily. Activities include bamboo raft rides, kayaking, and lakeside dining.

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Vera Falls - Malinao, Albay



A hidden gem nestled in the forests of Malinao, Vera Falls is a beautiful waterfall surrounded by lush greenery. Ideal for a refreshing dip and nature walks. Open daily. Activities include swimming and picnicking. Entrance fees apply. Limited amenities; best to bring your own provisions.

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Quitinday Hills - Camalig, Albay



Often compared to the Chocolate Hills of Bohol, Quitinday Hills features rolling green landscapes. It's an off-the-beaten-path destination offering breathtaking views of the hills and Mayon Volcano. Open daily. Popular for hiking and photography. Entrance fees may apply. Minimal amenities; best to bring water and snacks.

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Historical Sites

Cagsawa Ruins - Daraga, Albay



The remnants of a 16th-century Franciscan church destroyed by the 1814 eruption of Mayon Volcano. The Cagsawa Ruins are a poignant reminder of Albay's history and a popular spot for photos with Mayon as the backdrop. Open daily from 8 AM to 6 PM. Entrance fees apply. Nearby amenities include souvenir shops, cafes, and a small museum.

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Daraga Church - Daraga, Albay



An 18th-century baroque church perched on a hill, offering a stunning view of Mayon Volcano. The church is a National Cultural Treasure and a must-visit for history and architecture enthusiasts. Open daily. No entrance fees. Nearby amenities include restaurants and souvenir shops in Daraga town.

Hoyop-Hoyopan Cave - Camalig, Albay



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Hoyop-Hoyopan Cave - Camalig, Albay



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fascinating site for those interested in natural formations and history. Open daily. Entrance fees apply. Guided tours available. Limited amenities, so bring water and snacks.

Camalig Church - Camalig Church



Built in the late 16th century, this church is one of the oldest in Albay. The church's structure is predominantly made of volcanic rocks and exhibits the unique blend of Spanish colonial architecture and local construction materials. The church's preservation provides a glimpse into the rich religious history of the region. The church is open to the public for daily mass and visits. Guided tours are available upon request.

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Adventure Spots

Ligñon Hill Nature Park - Legazpi City, Albay



A popular spot offering panoramic views of Mayon Volcano, Legazpi City, and the Albay Gulf. The park is a haven for outdoor enthusiasts with activities such as zip-lining, hiking, and visiting the historic Japanese tunnel. Open daily from 8 AM to 6 PM. Entrance fees apply. Activities include zip-lining, hiking, and 4x4 rides. Nearby amenities include cafes, shops, and rest areas.

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shops, and rest areas.

ATV Adventure around Mayon



An exhilarating way to explore the base of Mayon Volcano, ATV adventures offer a thrilling ride through rugged terrain, lava fields, and scenic trails with stunning views of the volcano. Open daily. Tour packages available, with prices depending on the trail length and difficulty. Safety gear provided. Nearby amenities include restaurants and tour offices.

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Kawa-Kawa Hill - Ligao City, Albay



Known as the "Hill Without a Hilltop," Kawa-Kawa Hill is shaped like a giant cauldron. It's a popular pilgrimage site during Holy Week and offers peaceful walking trails and stunning views of the surrounding countryside. Open daily. No entrance fees. Activities include hiking and pilgrimage. Limited amenities; bring water and snacks.

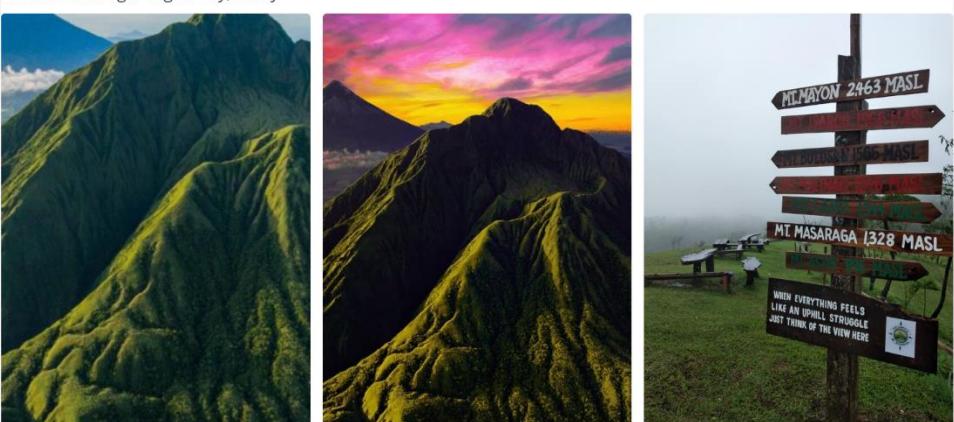
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Mount Masaraga - Ligao City, Albay



When everything feels like an uphill struggle, just think of the view here.

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For more experienced hikers, Mt. Masaraga offers a challenging trek with steep slopes and dense forest trails. The summit provides breathtaking views of the Mayon Volcano, Mt. Isarog, and the surrounding Bicol region. This climb is perfect for those looking to conquer a more demanding peak. Mount Masaraga is placed in the boundary of the cities of Ligao and Tabaco. It is one of the three volcanic mountains called the "MAGAYON TRIO" with Mount Malinao and Mount Mayon. It is the smallest of the three mountains yet it offers a challenging and breathtaking experience. Revealing itself to be one of the Bicol's best hiking secrets discovered in April 2011. A guide is recommended, and the trek typically takes a full day. Proper hiking gear and physical preparation are necessary.

Other Destinations



Mayon Skyline



Jovellar Underground River



Solong Eco Park



Albay Park and Wildlife