

1. **app/**: Contains the core application code.

Subdirectories/Files:

Console/: Contains custom Artisan commands.

Exceptions/: Handles application exceptions and error handling.

Http/: Contains controllers, middleware, and form requests.

Controllers/: Holds controller classes that handle incoming requests.

Middleware/: Contains middleware that filters HTTP requests entering your application.

Requests/: Houses form request validation logic.

Models/: Contains Eloquent models that represent database tables.

Providers/: Contains service providers that bootstrap the application.

2. **bootstrap/**: Contains files for bootstrapping the application.

Subdirectories/Files:

app.php: Initializes the Laravel application.

cache/: Stores cached files, such as configuration and routes.

3. **config/**: Holds configuration files for the application.

Files:

app.php: Application configuration, including the environment and debug settings.

database.php: Database connection settings.

mail.php: Email configuration settings.

session.php: Session management configuration.

4. **Database/**: Manages database schema and data.

Subdirectories/Files:

factories/: Defines model factories for creating test data.

migrations/: Contains migration files for managing database schema changes.

seeders/: Contains seeder classes for populating database tables with sample data.

5. **public/**: The web root directory where assets and entry points are stored.

Files:

index.php: The front controller that handles all HTTP requests and serves the application.

css/, js/, images/: Stores static assets like stylesheets, JavaScript files, and images.

6. **resources/**: Contains raw assets and view files.

Subdirectories/Files:

views/: Houses Blade template files for rendering HTML views.

lang/: Stores language files for localization.

js/, sass/: Contains uncompiled JavaScript and SASS files.

7. **routes/**: Defines application routes.

Files:

web.php: Contains routes for web-based requests (HTML routes).

api.php: Contains routes for API requests (JSON routes).

console.php: Registers console commands and schedules.

channels.php: Registers broadcast channels.

8. **storage/**: Stores files generated by the application.

Subdirectories/Files:

app/: For user-uploaded files.

framework/: Contains cached files, sessions, and views.

logs/: Stores log files.

9. **tests/**: Purpose: Contains automated tests for the application.

Subdirectories/Files:

Feature/: Contains feature tests that test application features and user interactions.

Unit/: Contains unit tests that test individual classes and methods.

10. **vendor/**: Contains third-party packages and dependencies managed by Composer.

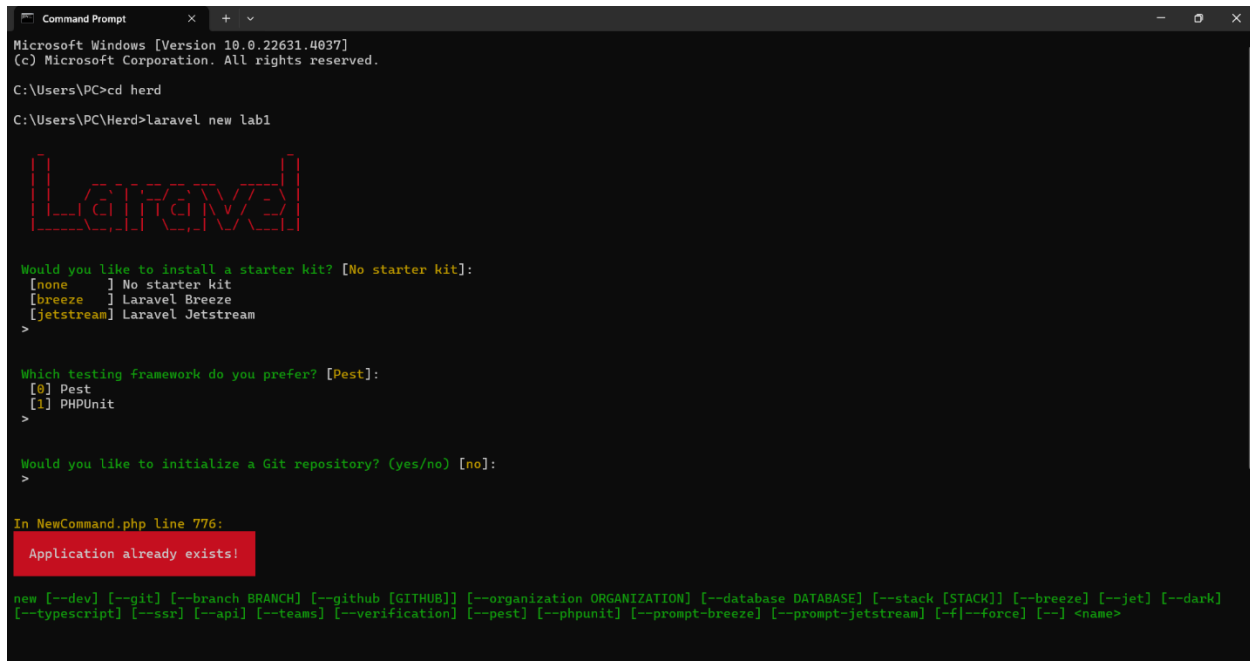
Files:

autoload.php: Handles autoloading of classes and dependencies.

composer/: Contains Composer-related files.

DOCUMENTATION:

Installation:



```
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\PC>cd herd
C:\Users\PC\Herd>laravel new lab1

  L A R A V E L

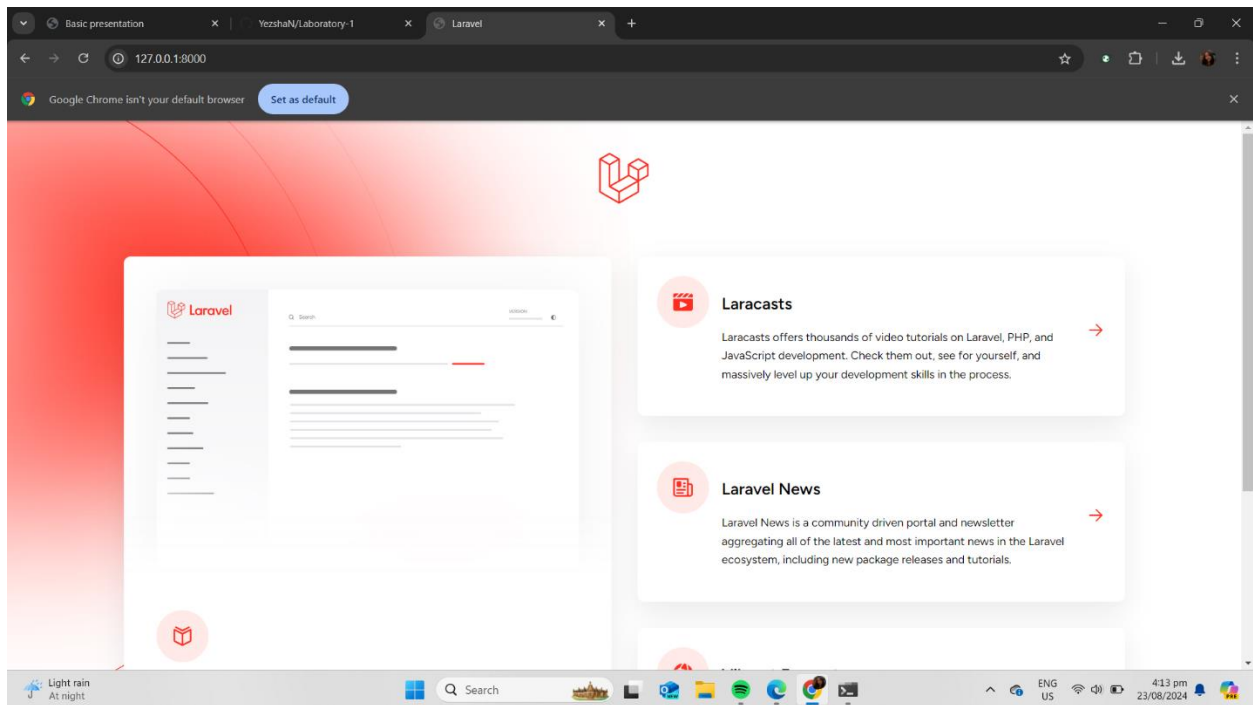
Would you like to install a starter kit? [No starter kit]:
[none] No starter kit
[breeze] Laravel Breeze
[jetstream] Laravel Jetstream
>

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:
  Application already exists!

new [--dev] [--git] [--branch BRANCH] [--github [GITHUB]] [--organization ORGANIZATION] [--database DATABASE] [--stack [STACK]] [--breeze] [--jet] [--dark]
[--typescript] [--ssr] [--api] [--teams] [--verification] [--pest] [--phpunit] [--prompt-breeze] [--prompt-jetstream] [-f|--force] [--] <name>
```



Creating a Laravel project:

```
Command Prompt - php artis x + v
C:\Users\PC\Herd>php artisan serve
Could not open input file: artisan

C:\Users\PC\Herd>cd Lab1

C:\Users\PC\Herd\Lab1>php artisan serve
Failed to listen on 127.0.0.1:8000 (reason: ?)
Failed to listen on 127.0.0.1:8001 (reason: ?)
Failed to listen on 127.0.0.1:8002 (reason: ?)
Failed to listen on 127.0.0.1:8003 (reason: ?)
Failed to listen on 127.0.0.1:8004 (reason: ?)
Failed to listen on 127.0.0.1:8005 (reason: ?)
Failed to listen on 127.0.0.1:8006 (reason: ?)
Failed to listen on 127.0.0.1:8007 (reason: ?)
Failed to listen on 127.0.0.1:8008 (reason: ?)
Failed to listen on 127.0.0.1:8009 (reason: ?)
Failed to listen on 127.0.0.1:8010 (reason: ?)

C:\Users\PC\Herd\Lab1>php artisan serve
Failed to listen on 127.0.0.1:8000 (reason: ?)
Failed to listen on 127.0.0.1:8001 (reason: ?)
Failed to listen on 127.0.0.1:8002 (reason: ?)
Failed to listen on 127.0.0.1:8003 (reason: ?)
Failed to listen on 127.0.0.1:8004 (reason: ?)
Failed to listen on 127.0.0.1:8005 (reason: ?)
Failed to listen on 127.0.0.1:8006 (reason: ?)
Failed to listen on 127.0.0.1:8007 (reason: ?)
Failed to listen on 127.0.0.1:8008 (reason: ?)
Failed to listen on 127.0.0.1:8009 (reason: ?)
Failed to listen on 127.0.0.1:8010 (reason: ?)

C:\Users\PC\Herd\Lab1>php artisan serve
[INFO] Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server

2024-08-23 08:17:24 / .....
2024-08-23 08:17:24 .....
2024-08-23 08:17:28 /favicon.ico .....
```

```
php.ini  New Text Document  New Text Document  perp.txt  perp.txt  perp.txt  perp.txt  laravel proj b  laravel proj b  php.ini
File Edit View
; Example:
;arg_separator.output = "&";

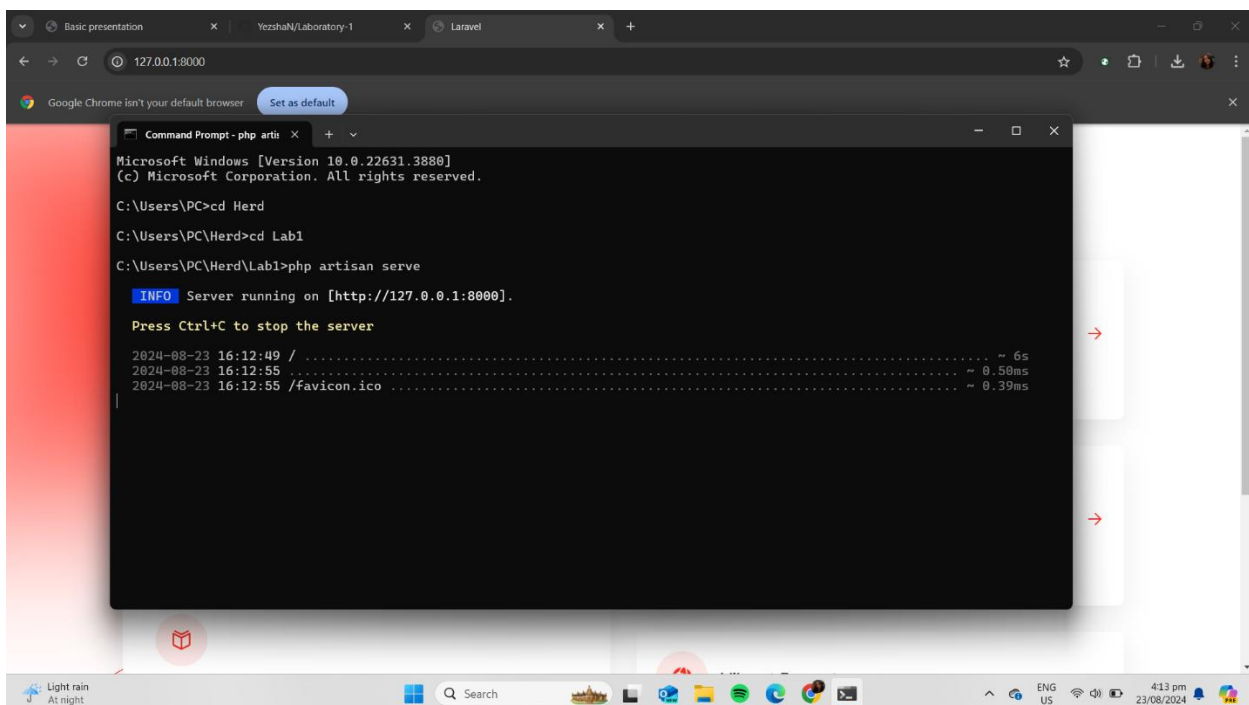
; List of separator(s) used by PHP to parse input URLs into variables.
; PHP's default setting is "&".
; NOTE: Every character in this directive is considered as separator!
; https://php.net/arg-separator.input
; Example:
;arg_separator.input = ";&"

; This directive determines which super global arrays are registered when PHP
; starts up. G, P, C, E & S are abbreviations for the following respective super
; globals: GET, POST, COOKIE, ENV and SERVER. There is a performance penalty
; paid for the registration of these arrays and because ENV is not as commonly
; used as the others, ENV is not recommended on productions servers. You
; can still get access to the environment variables through getenv() should you
; need to.
; Default Value: "GPCS"
; Development Value: "GPCS"
; Production Value: "GPCS";
; https://php.net/variables-order
variables_order = "GPCS"

; This directive determines which super global data (G, P & C) should be
; registered into the super global array REQUEST. If so, it also determines
; the order in which that data is registered. The values for this directive
; are specified in the same manner as the variables_order directive,
; EXCEPT one. Leaving this value empty will cause PHP to use the value set
; in the variables_order directive. It does not mean it will leave the super
; globals array REQUEST empty.
; Default Value: None
; Development Value: "GP"
; Production Value: "GP"
; https://php.net/request-order
request_order = "GP"

; This directive determines whether PHP registers $argv & $argc each time it
; runs. $argv contains an array of all the arguments passed to PHP when a script
; is invoked. $argc contains an integer representing the number of arguments
; that were passed when the script was invoked. These arrays are extremely
; useful when running scripts from the command line. When this directive is

Ln 656, Col 19 73,403 characters 100% Windows (CRLF) UTF-8
```



Putting the Laravel Project in a Git repository:

```
Microsoft Windows [Version 10.0.22631.3880]
(c) Microsoft Corporation. All rights reserved.

C:\Users\PC>cd Herd
C:\Users\PC\Herd>cd Lab1
C:\Users\PC\Herd\Lab1>git init
Initialized empty Git repository in C:/Users/PC/Herd/Lab1/.git/
C:\Users\PC\Herd\Lab1>git add .
C:\Users\PC\Herd\Lab1>git commit -m "Initial commit"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'PC@DESKTOP-KGCHHDR.(none)')
C:\Users\PC\Herd\Lab1>git remote add origin https://github.com/YezshaN/Laboratory-1.git
C:\Users\PC\Herd\Lab1>git push -u origin master
error: src refspec master does not match any
error: failed to push some refs to 'https://github.com/YezshaN/Laboratory-1.git'
C:\Users\PC\Herd\Lab1>git config --global user.name "YezshaN"
C:\Users\PC\Herd\Lab1>git config --global user.email "narvaezyezsha@gmail.com"
C:\Users\PC\Herd\Lab1>git commit -m "Initial commit"
[master (root-commit) 5a0fc4f] 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
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
```

```
Command Prompt
C:\Users\PC\Herd\Lab1>git push -u origin master
C:\Users\PC\Herd\Lab1>gitgit
'gitgit' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\PC\Herd\Lab1>
C:\Users\PC\Herd\Lab1>
C:\Users\PC\Herd\Lab1>
C:\Users\PC\Herd\Lab1>
C:\Users\PC\Herd\Lab1>
C:\Users\PC\Herd\Lab1>
C:\Users\PC\Herd\Lab1>git bash
git: 'bash' is not a git command. See 'git --help'.

The most similar command is
    stash

C:\Users\PC\Herd\Lab1>git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/YezshaN/Laboratory-1.git'

C:\Users\PC\Herd\Lab1>git push -u origin master
info: please complete authentication in your browser...
Enumerating objects: 76, done.
Counting objects: 100% (76/76), done.
Delta compression using up to 4 threads
Compressing objects: 100% (59/59), done.
Writing objects: 100% (76/76), 66.67 KiB | 1.19 MiB/s, done.
Total 76 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/YezshaN/Laboratory-1.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

C:\Users\PC\Herd\Lab1>
```

github.com/YezshaN/Laboratory-1

Google Chrome isn't your default browser [Set as default](#)

YezshaN / Laboratory-1

Type to search

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

Laboratory-1 (Public)

[Pin](#) [Unwatch](#) 1 [Fork](#) 0 [Star](#) 0

master 1 Branch 0 Tags

[Add file](#) [Code](#)

YezshaN Initial commit

5a0fc4f · 21 minutes ago 1 Commit

app	Initial commit	21 minutes ago
bootstrap	Initial commit	21 minutes ago
config	Initial commit	21 minutes ago
database	Initial commit	21 minutes ago
public	Initial commit	21 minutes ago
resources	Initial commit	21 minutes ago
routes	Initial commit	21 minutes ago
storage	Initial commit	21 minutes ago
tests	Initial commit	21 minutes ago

About

No description, website, or topics provided.

[Readme](#)

[Activity](#)

[0 stars](#)

[1 watching](#)

[0 forks](#)

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Setting up the .env file:

```
Microsoft Windows [Version 10.0.22631.3880]
(c) Microsoft Corporation. All rights reserved.

C:\Users\PC>cd Herd

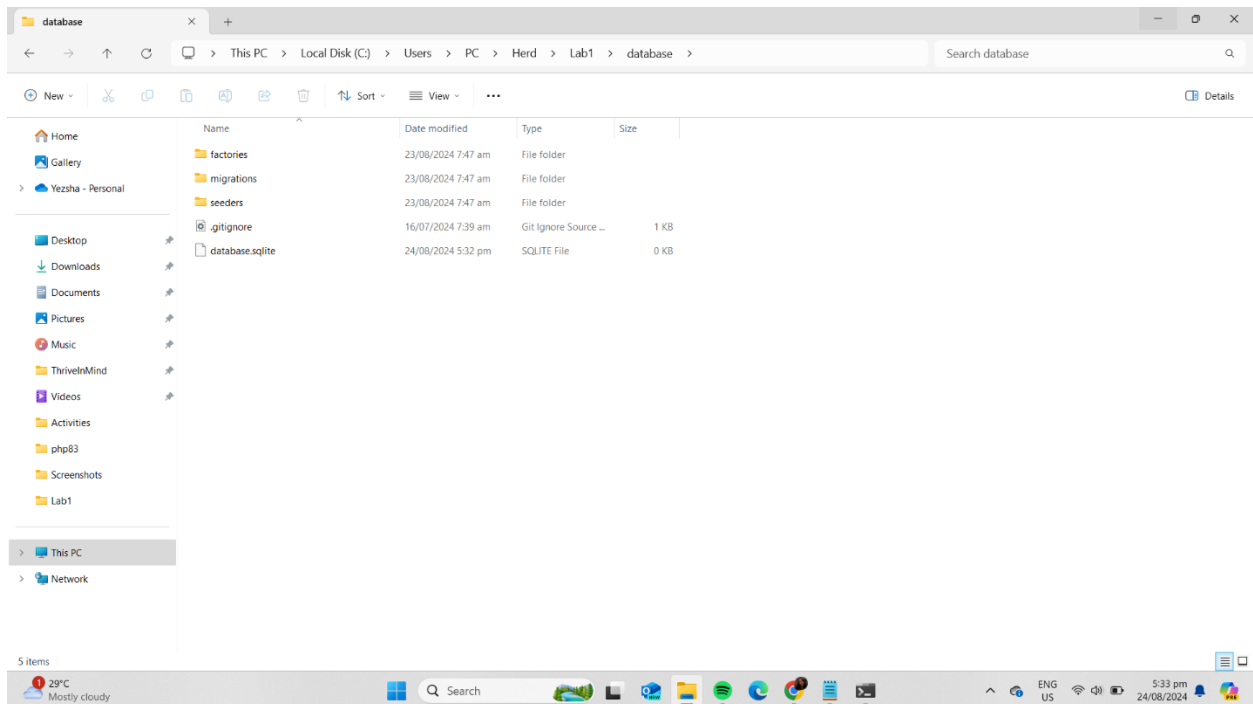
C:\Users\PC\Herd>cd Lab1

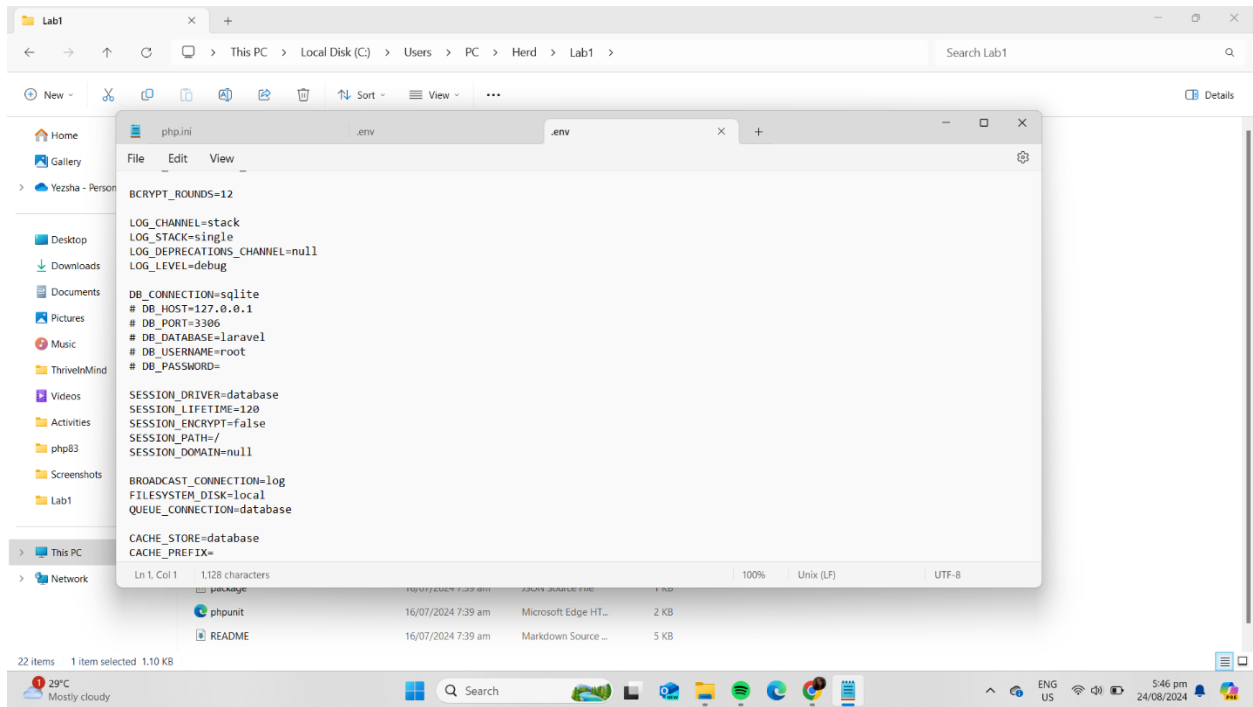
C:\Users\PC\Herd\Lab1>dir
Volume in drive C has no label.
Volume Serial Number is 500D-BFF5

Directory of C:\Users\PC\Herd\Lab1

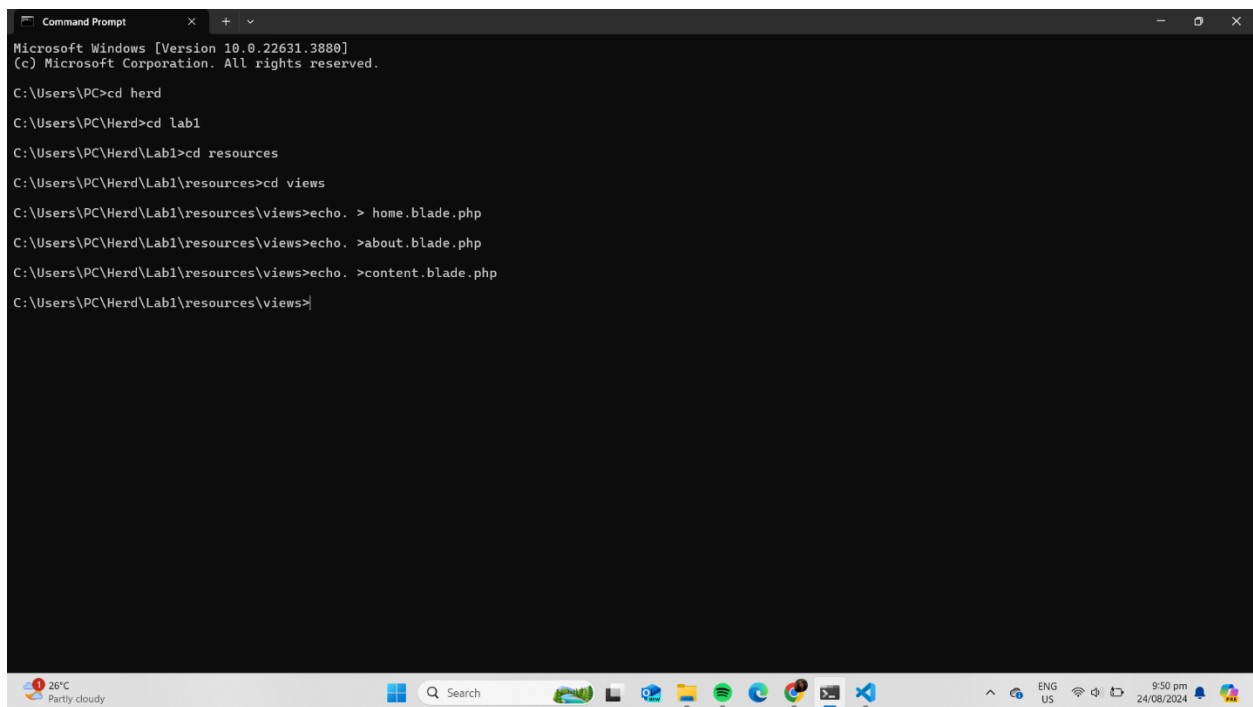
23/08/2024 03:45 pm <DIR> .
23/08/2024 07:47 am <DIR> ..
16/07/2024 07:39 am      258 .editorconfig
23/08/2024 07:49 am      1,128 .env
23/08/2024 07:49 am      1,077 .env.example
16/07/2024 07:39 am      186 .gitattributes
16/07/2024 07:39 am      258 .gitignore
23/08/2024 07:47 am <DIR> app
16/07/2024 07:39 am      350 artisan
23/08/2024 07:47 am <DIR> bootstrap
23/08/2024 07:49 am      1,967 composer.json
23/08/2024 07:49 am    318,732 composer.lock
23/08/2024 07:47 am <DIR> config
23/08/2024 08:17 am <DIR> database
16/07/2024 07:39 am      244 package.json
16/07/2024 07:39 am      1,191 phpunit.xml
23/08/2024 07:47 am <DIR> public
16/07/2024 07:39 am      4,109 README.md
23/08/2024 07:47 am <DIR> resources
23/08/2024 07:47 am <DIR> routes
23/08/2024 07:47 am <DIR> storage
23/08/2024 07:50 am <DIR> tests
23/08/2024 07:50 am <DIR> vendor
16/07/2024 07:39 am      263 vite.config.js
12 File(s)      329,763 bytes
12 Dir(s)      436,776,161,288 bytes free

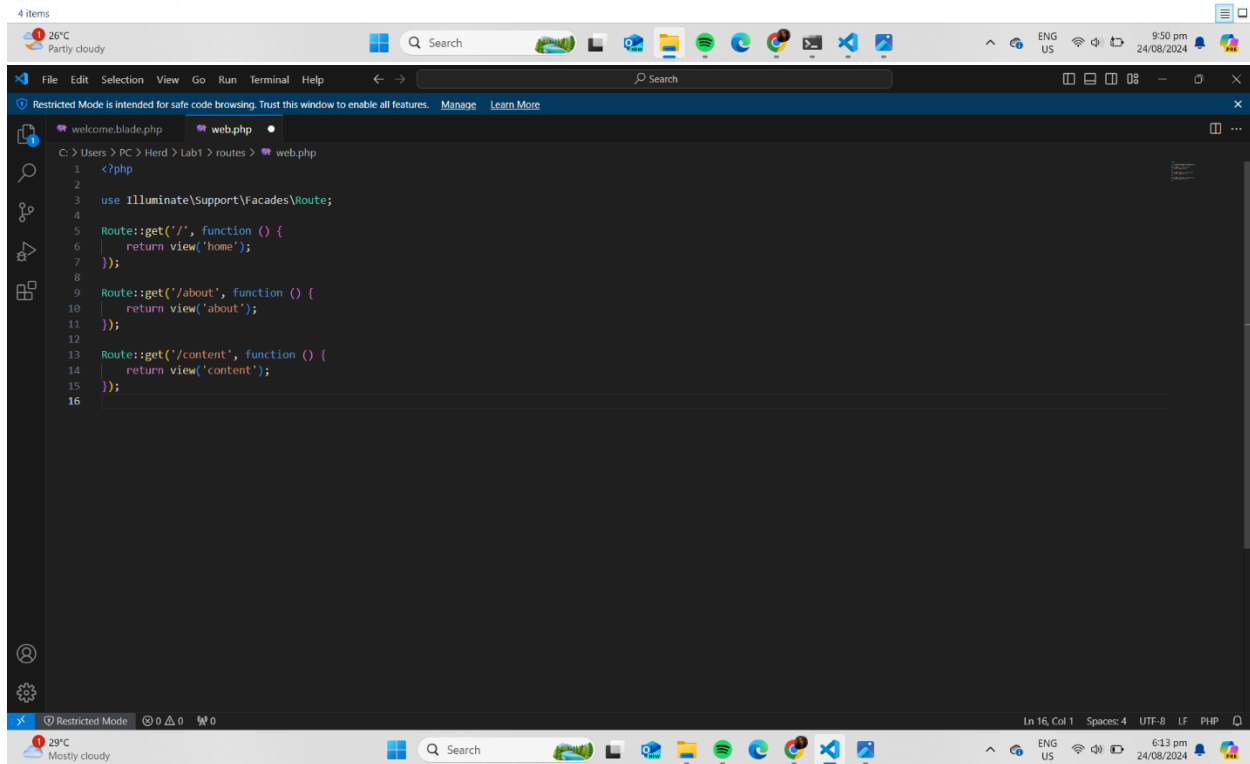
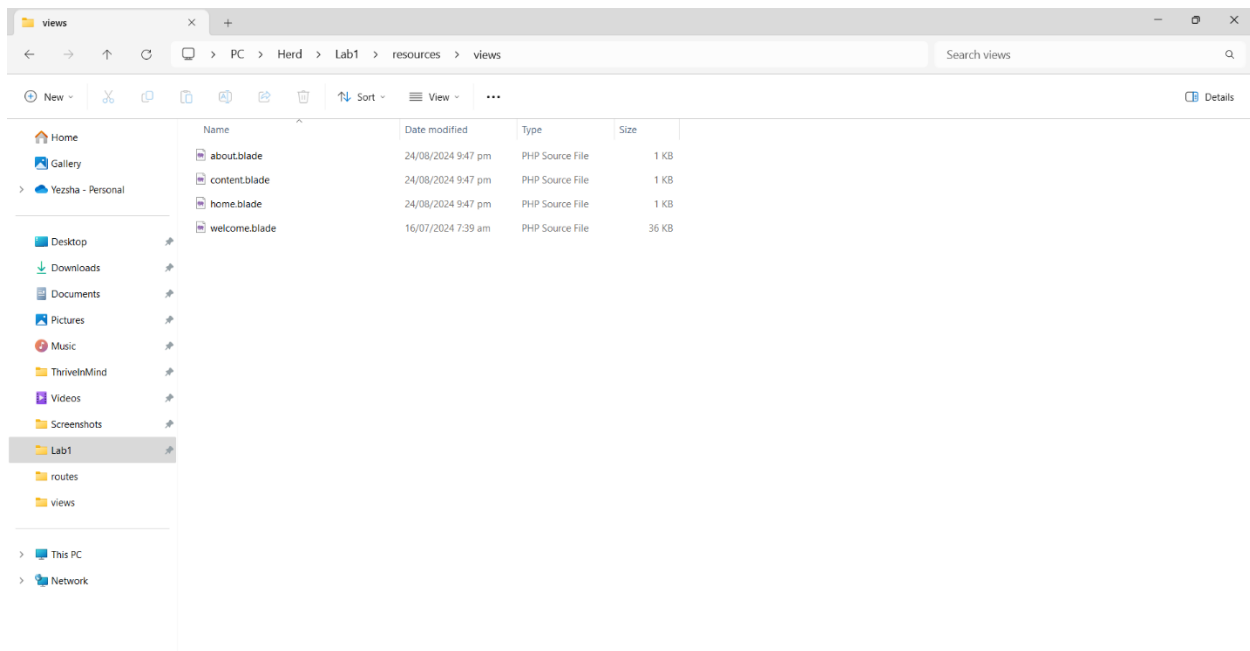
C:\Users\PC\Herd\Lab1>
```



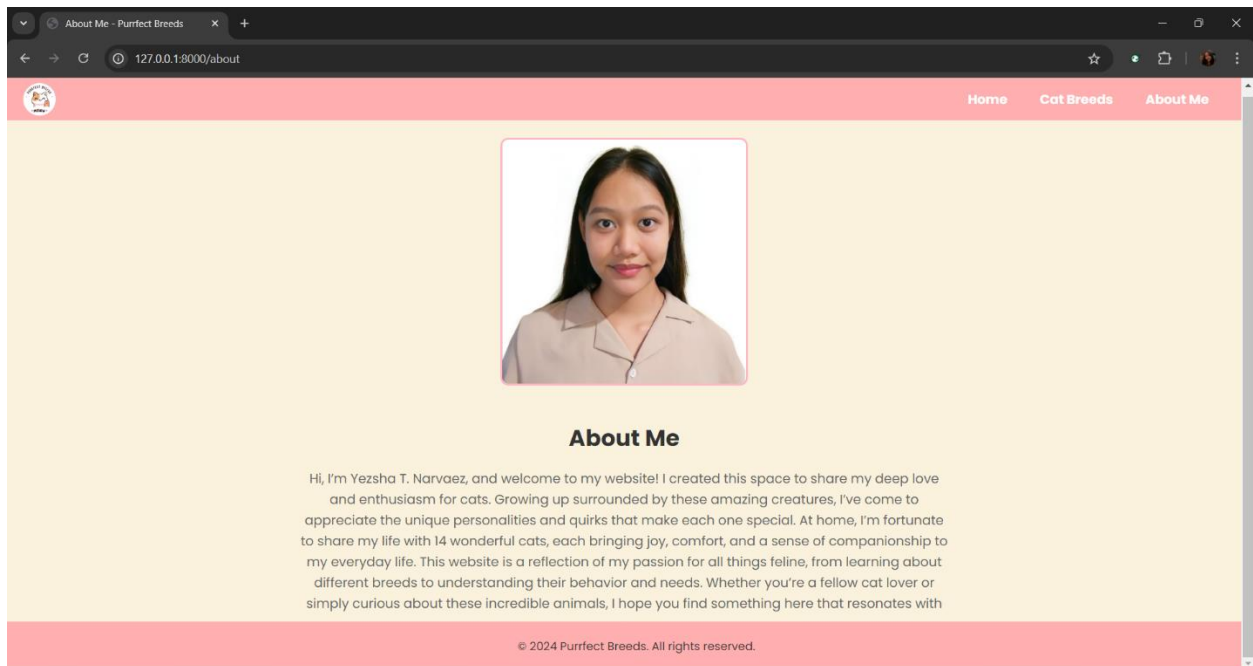
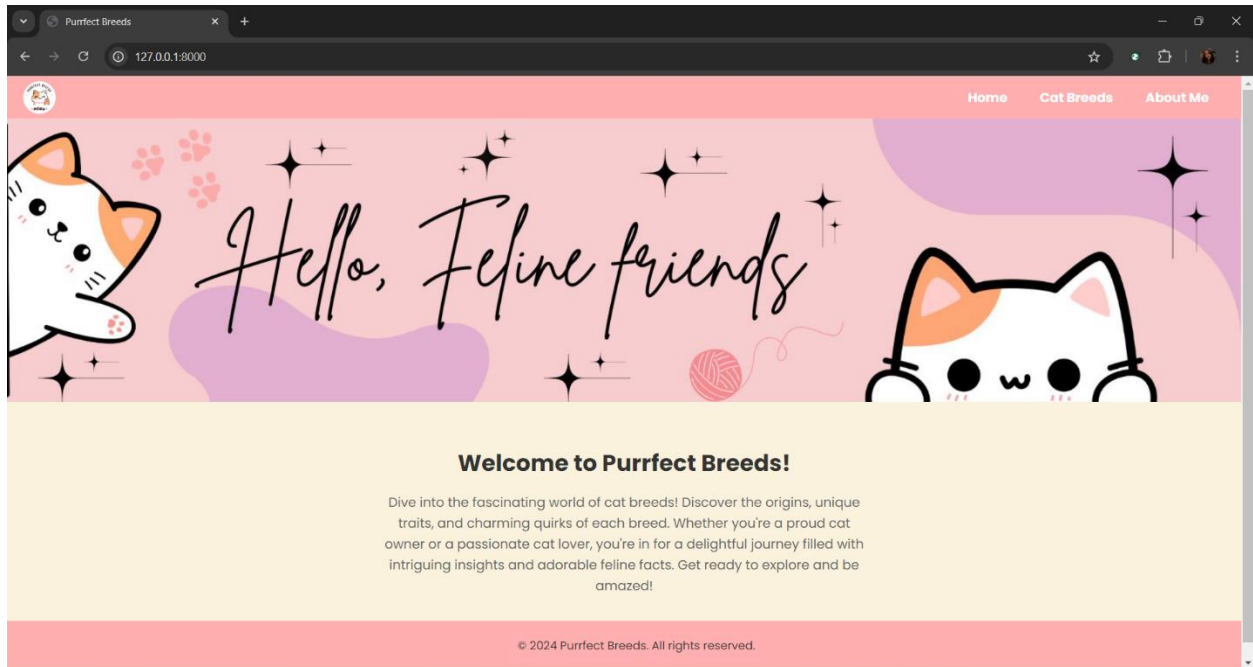


Creating 3 views/web pages:





The home, about, and content pages:




Cat Breeds - Purrfect Breeds

127.0.0.1:8000/content

Home

Cat Breeds

About Me



Maine Coon


Origination: The Maine Coon originated in the United States, specifically in Maine. It's one of the oldest natural breeds in North America.

Personality: Affectionate, intelligent, and gentle. They are sociable and great with families, enjoying time with their owners.

Health and Wellness: Prone to hip dysplasia and hypertrophic cardiomyopathy, requiring regular vet check-ups.

Unique Traits & Fun Facts:

- Known as "gentle giants."
- Their tufted ears resemble those of a lynx.
- They have semi-waterproof fur.



Siamese

Origination: The Siamese cat originated in Thailand, previously known as Siam. It's one of the oldest and most recognizable breeds in the world.

Personality: Vocal, social, and affectionate. Siamese cats are known for their strong bond with their owners and love to communicate.

© 2024 Purrfect Breeds. All rights reserved.