```
C:\Users\Karel\Desktop\Laravel>laravel new jhona

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
> 0

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

   Creating a "laravel/laravel" project at "./jhona"
   Installing laravel/laravel (v11.1.4)
 - Installing laravel/laravel (v11.1.4): Extracting archive
```



```
 > @php -r "file_exists('database/database.sqlite') || touch('database/datab
 > @php artisan migrate --graceful --ansi

 INFO  Preparing database.

Creating migration table ..............................................

 INFO  Running migrations.

  0001_01_01_000000_create_users_table   ..............................
NE
  0001_01_01_000001_create_cache_table   ..............................
  0001_01_01_000002_create_jobs_table    ..............................

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
```
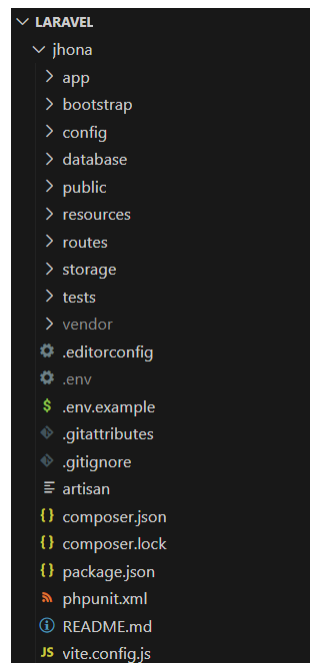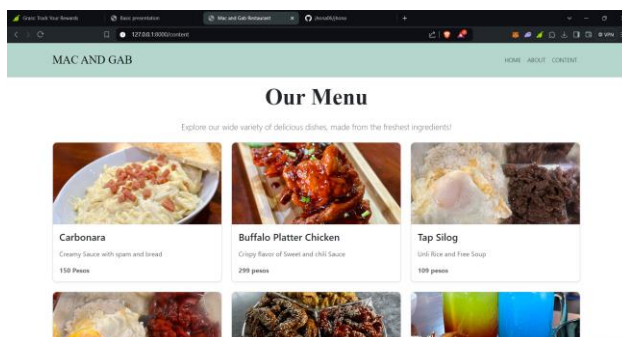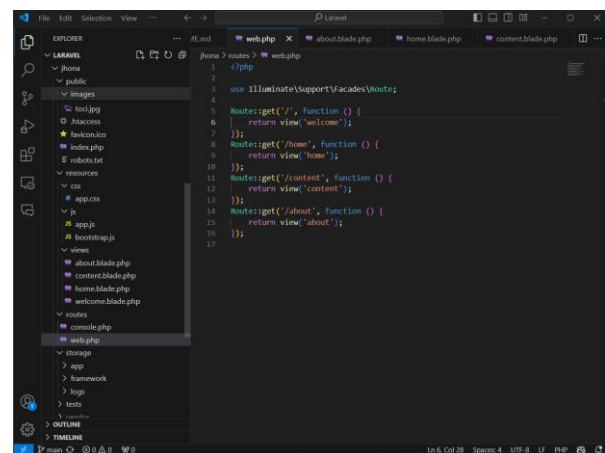


```
C:\Users\Karel\Desktop\Laravel>cd jhona

C:\Users\Karel\Desktop\Laravel\jhona>php artisan serve

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

   Press Ctrl+C to stop the server
```

Key Directories and Files in a Laravel Project

1. **app/**

   This is where your main code lives.

   o **Subdirectories:**

      ▪ Console/: Holds commands you can run from the command line.

      ▪ Exceptions/: Where you put code for handling errors.

      ▪ Http/: Contains controllers (which handle requests), middleware (code that runs between requests), and request classes.

      ▪ Models/: Holds your data models, which interact with the database.

      ▪ Providers/: Contains service providers that set up services for your app.

2. **bootstrap/**

   Contains files that help start your application.

   o **Key File:**

      ▪ app.php: This file starts up the Laravel application.

3. **config/**

   Stores configuration settings for things like the database and mail.

   o **Files:** There are different files for each type of configuration.

4. **database/**

   Contains files related to the database.

   o **Subdirectories:**

      ▪ migrations/: Files that change the database structure.

      ▪ factories/: Code for creating test data.

      ▪ seeders/: Code for adding initial data to the database.

5. **public/**

   Contains files that are publicly accessible on the web.

   o **Key File:**

- index.php: The main entry point for your app when someone visits your website.

6. **resources/**

   Contains views (what users see), raw assets (like JavaScript and CSS), and language files.

   - **Subdirectories:**

     - views/: Where you put your HTML templates.

     - lang/: For different languages and translations.

     - js/, sass/: For JavaScript and CSS files.

7. **routes/**

   Defines the URL routes for your app.

   - **Key Files:**

     - web.php: Routes for regular web pages.

     - api.php: Routes for API endpoints.

     - console.php: Routes for Artisan command-line tools.

8. **storage/**

   Stores files that your app generates or uses.

   - **Subdirectories:**

     - app/: Application-specific files.

     - framework/: Framework files like session data and cache.

     - logs/: Application log files.

9. **tests/**

   Contains tests for your code.

   - **Subdirectories:**

     - Feature/: Tests for the features of your app.

     - Unit/: Tests for individual parts of your code.

10. **vendor/**

    Holds third-party libraries and packages your project depends on.

- o **Files:** Managed by Composer, so you usually don't need to change anything here.

Other Key Files in the Root Directory

- **.env**: Contains settings specific to your environment, like database credentials.

- **artisan**: A command-line tool for running Laravel commands.

- **composer.json**: Lists the libraries and tools your project uses.

- **package.json**: Lists front-end tools and libraries.

- **webpack.mix.js**: Configures how your assets (like JavaScript and CSS) are compiled.

https://github.com/jhona06/jhona