# #Requirements to run the application

**Install the Following tools step by step**
**(Top to Bottom)**

**Note:** ang installation ng mga tools ay dapat nasa **C://** drive & Leave it as default yung installation.

 - **XAMPP** with the latest stable PHP Version 8.0.*

https://sourceforge.net/projects/xampp/files/XAMPP%20Windows/8.2.4/xampp-windows-x64-8.2.4-0-VS16-installer.exe

**- composer**

https://getcomposer.org/download/

**- Git**

https://git-scm.com/download

**- Node.js**

https://nodejs.org/en/download/

**- Visual Studio Code ( Code Editor )**

https://code.visualstudio.com/Download

**- Winrar ( for file extraction)**

https://www.win-rar.com/download.html?&L=0

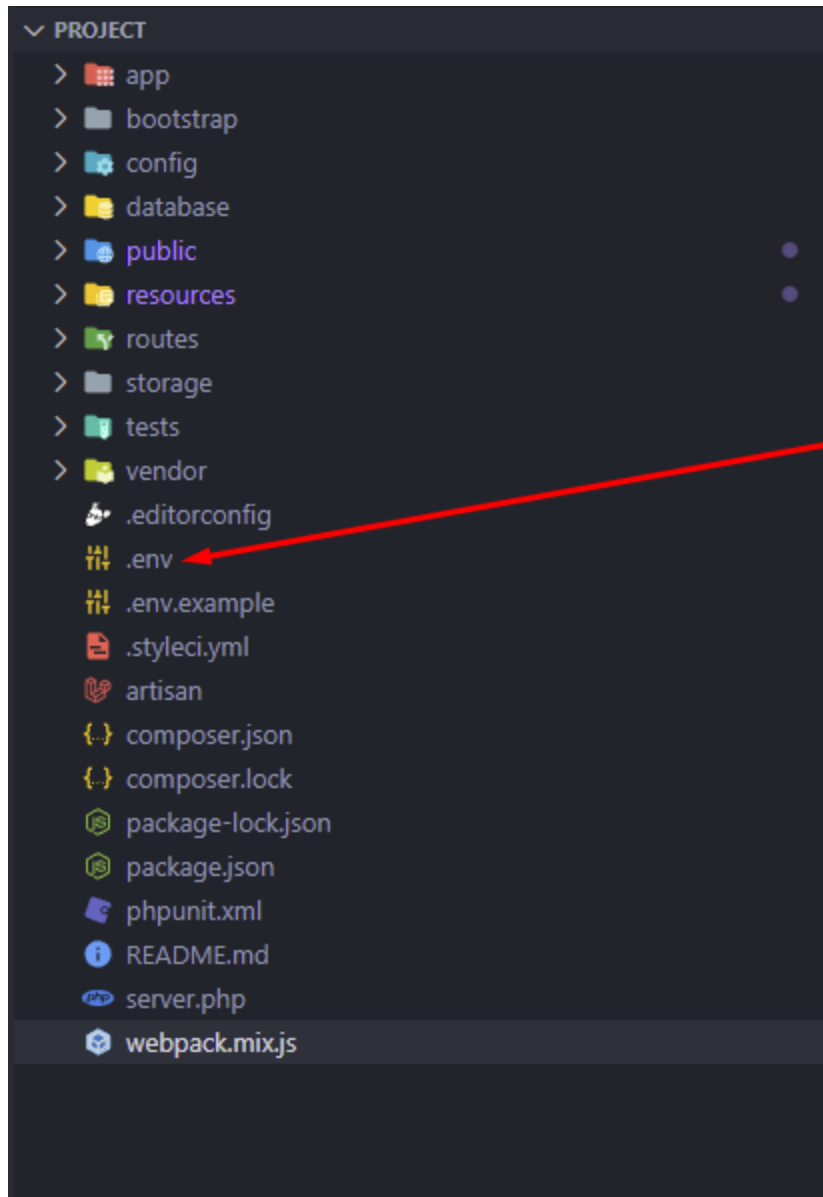**- RustDesk(Optional for Remote Services)**

https://github.com/rustdesk/rustdesk/releases/download/1.2.1/rustdesk-1.2.1-x86_64.exe

#NEXT STEP >

# #DATABASE SET UP

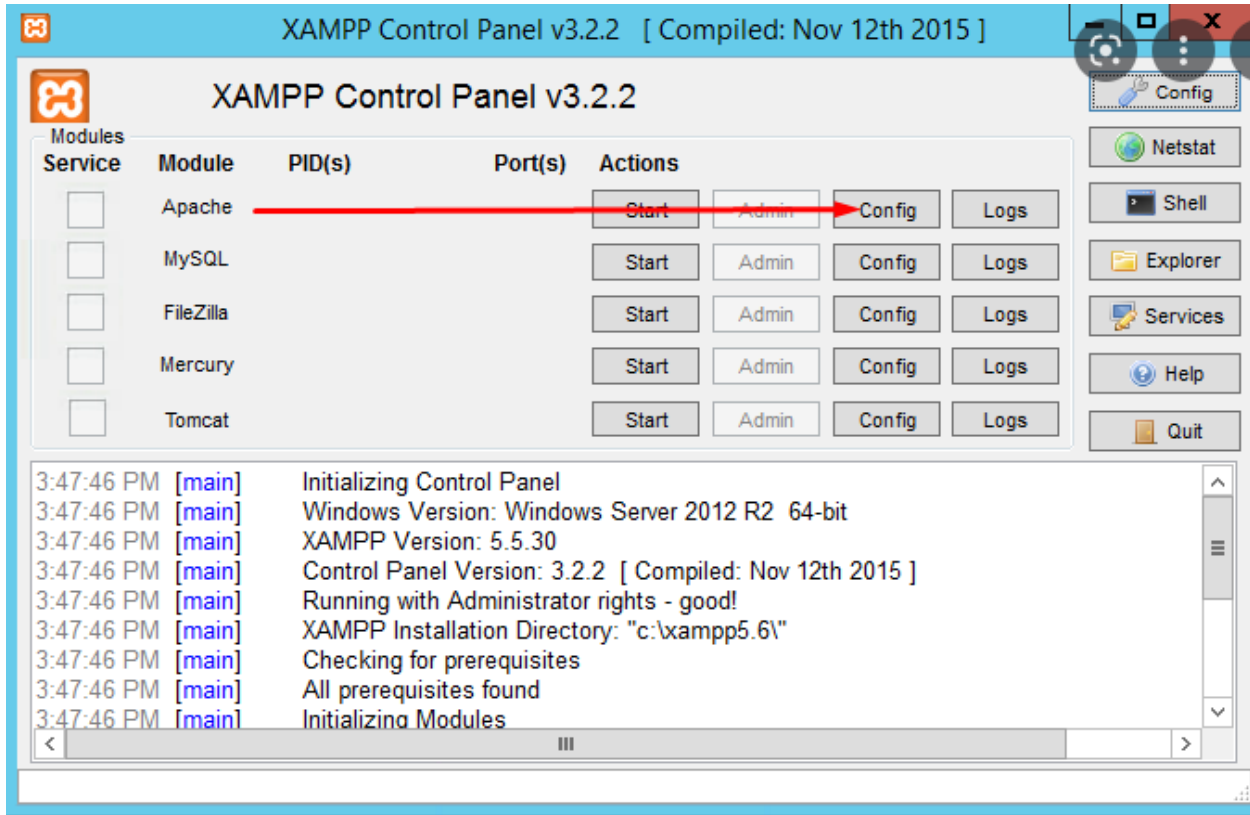Ngayon bubuksan natin yung root project at hanapin ang **.env** file gamit **Visual Studio Code**

Hanapin ang **DB_DATABASE** value ( eto yung database name )

Ex. sample_db

```
DB_DATABASE="sample_db"
DB_USERNAME=root
DB_PASSWORD=
```

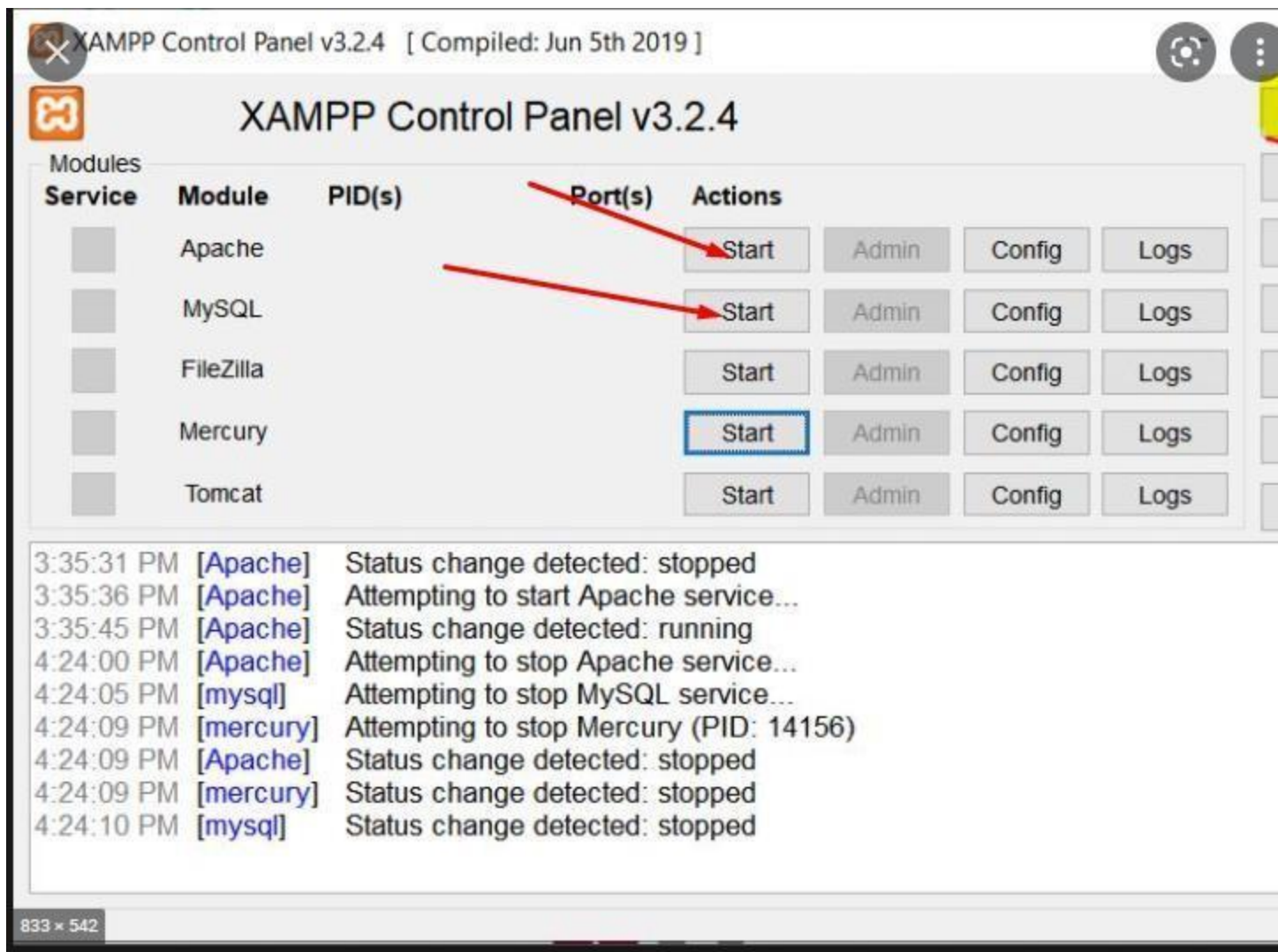Next Open your **XAMPP Application** and click the **Appache - Config**



Hanapin nyo ang **php.ini** file at buksan ito gamit ang notepad or visual studio code,
Click **CTRL + F**  at hanapin at i un-comment ang extension=gd

**Default = ;extension=gd**
**Fixed = extension=gd**


Or pwede mo din itong i paste sa address bar para ma pin-point yung exact location ng **php.ini** file
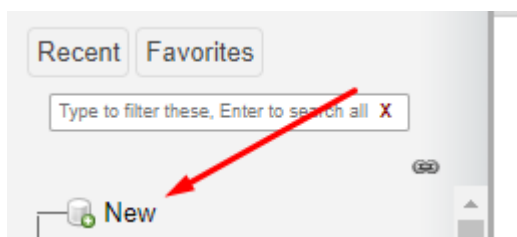**C:\xampp\php or C:\xampp\php\php.ini**


Pagkatapos mag un-comment sa isang php extension, start na natin yung **XAMPP Control Panel**

**Click Apache & MYSQL ( START )**

Next > go to XAMPP's **PHPMYADMIN** located at - http://localhost:80/phpmyadmin

Now we need to set up the database of our project using phpMyAdmin > click the "**new**" button at the the top left corner of the GUI
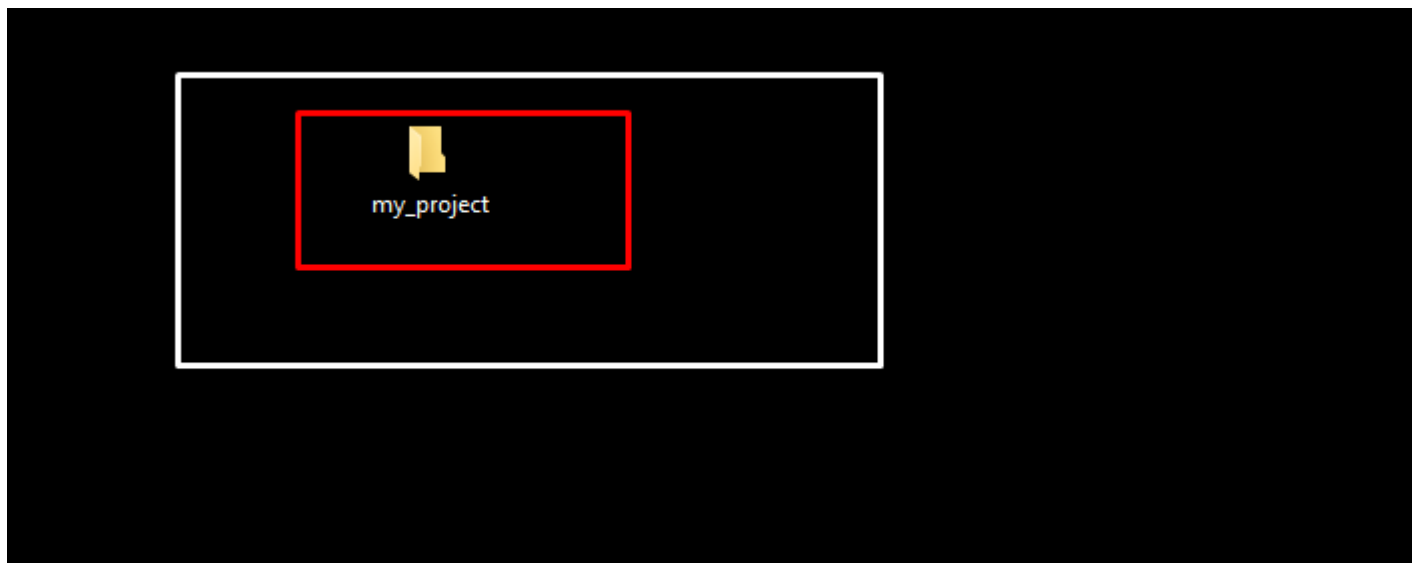
Now name your database by the name of your **DB_DATABASE** from your **.env** file
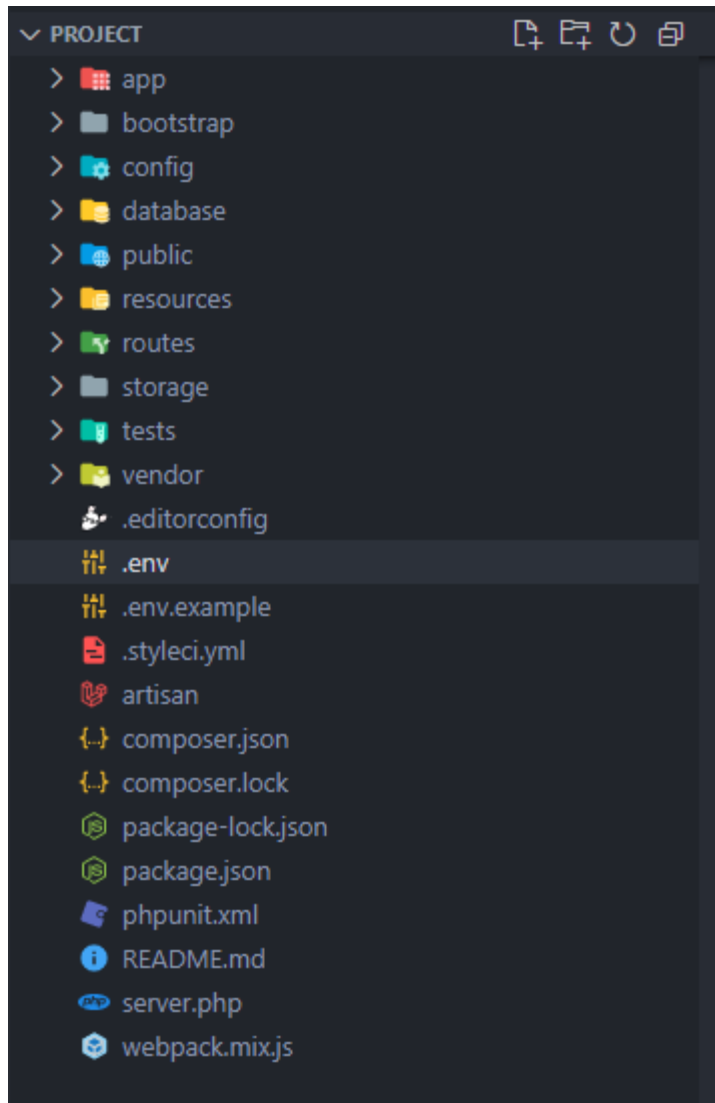
(Ex: **sample_db**)



Now you already setup your database.

Next, we need to seed the dummy data of your newly created database – more info about database seeding https://en.wikipedia.org/wiki/Database_seeding
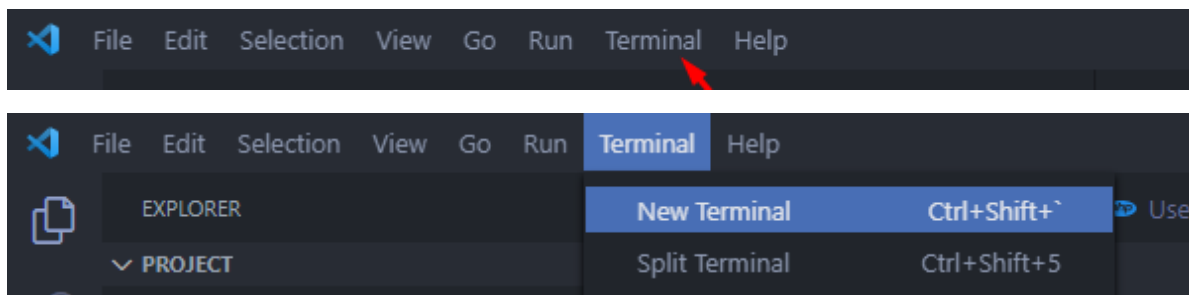
Go to the root folder of your project and open it using your **VISUAL STUDIO CODE ( VSC )**



This is the file structure of your project opened inside VSC

Next > Go to the Terminal at the **TOP Navigation Bar** of VSC and click " New Terminal" To Open new Terminal

Type & Run the following Command / Script:

**NOTE\* for first-time deployment into a machine/computer**
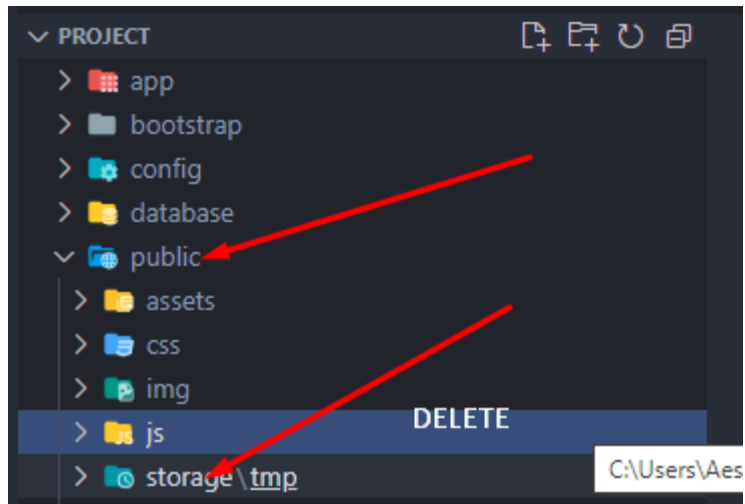
run the following commands:

**php artisan optimize** // clearing all project cache files



Next remove the **public/storage** folder if there is an existing public/storage folder; More info about symlink - https://en.wikipedia.org/wiki/Symbolic_link

Run:

**php artisan storage:link**          // to create symbolic link for file upload

Now after running sets of commands.

Next, we need to seed dummy default

data into our application:

Run the following command

**php artisan optimize** // clearing all project cache files

**php artisan migrate:fresh --seed** // to seed dummy data from our database. more info about database
seeding https://en.wikipedia.org/wiki/Database_seeding

Wait until its done!

// after seeding default dummy data. We can now run/serve our application. Just simply type the command

**php artisan serve** // serving our application / enable our application / run our application – You can now visit your application using these links ( http://localhost:8000 (RECOMMENDED)  OR http://127.0.0.1:8000

# IMPORTANT TO CONSIDER

If your project has an image upload module. We need to enable some extension in our SERVER

**Enable Gd Extension**

Enable Gd Extension on your php.ini located at C:\xampp\php

by uncommenting the "**extension=gd**"

this will enable the image/file upload feature on your local server

# # LOGIN SAMPLE CREDENTIALS

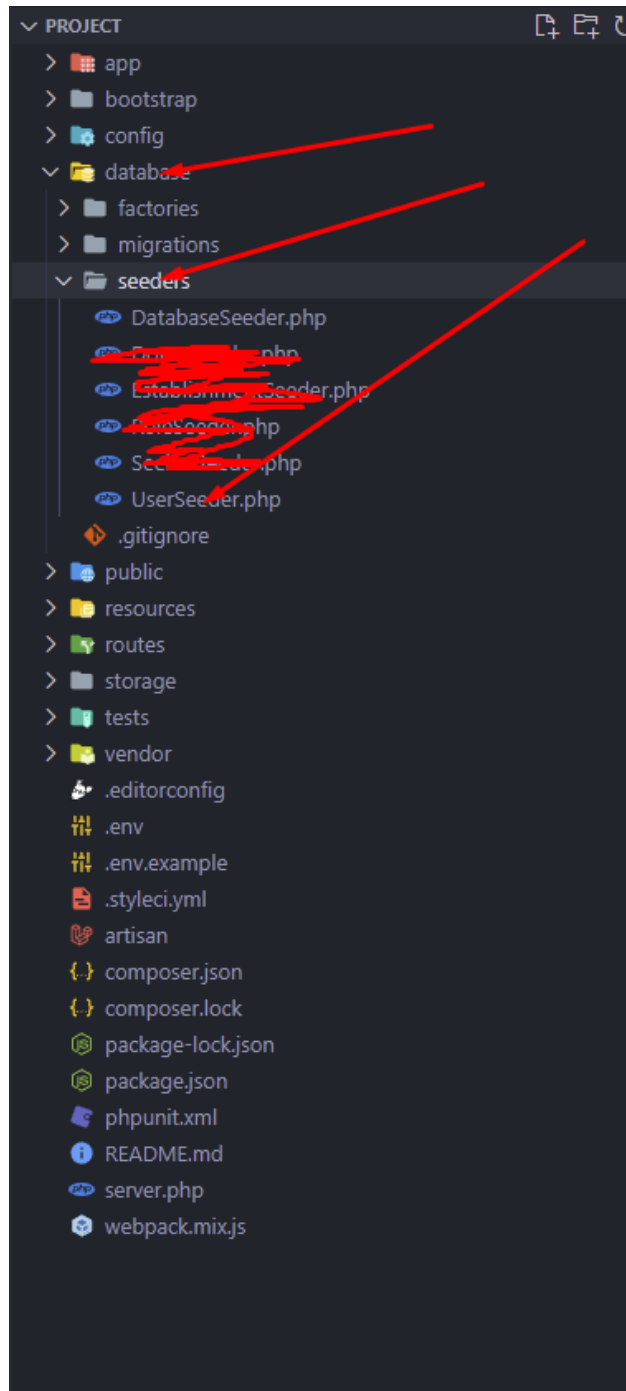DEFAULT PASSWORD FOR ALL END USERS is > **test1234**

[ ADMIN ]

- email = admin@gmail.com

[ USER]

- email = your_provided_email_address or go to the

   **UserSeederFile**

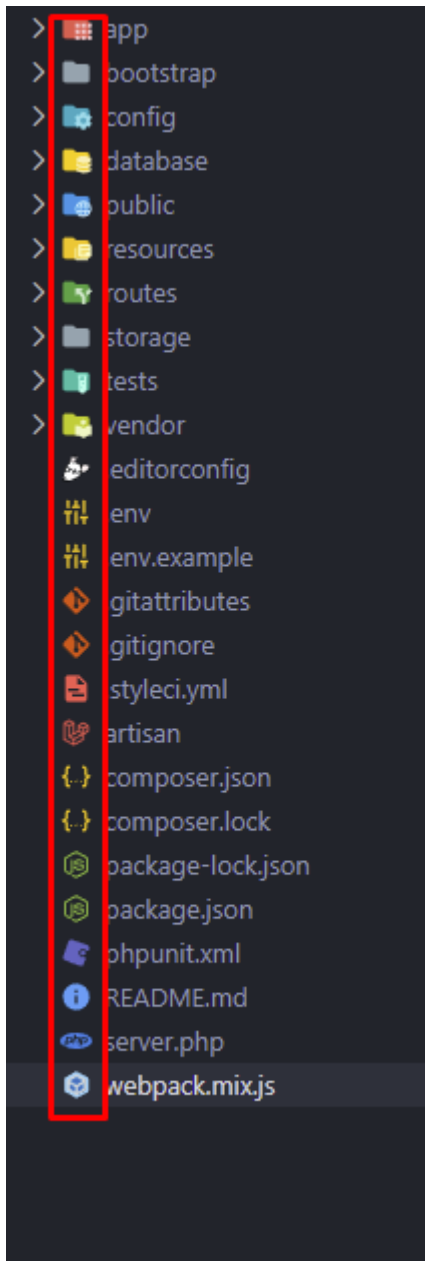Click the file and you will see the default dummy User Account for your Application.
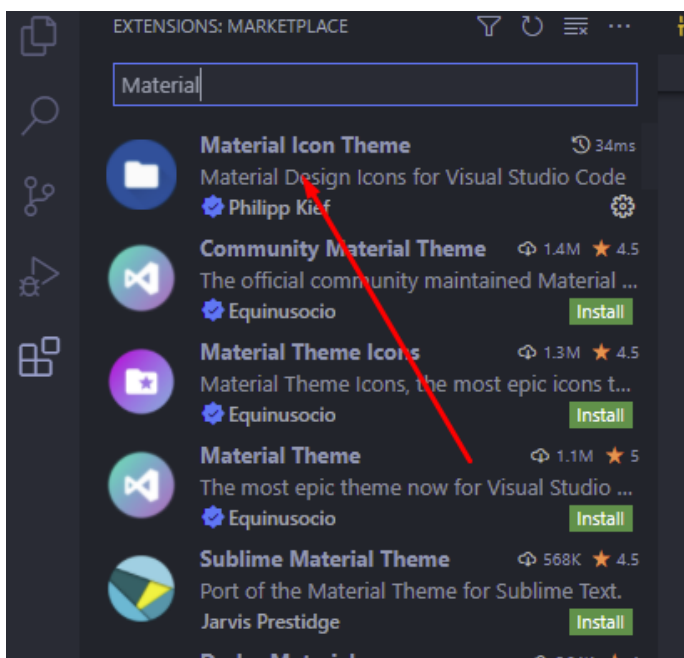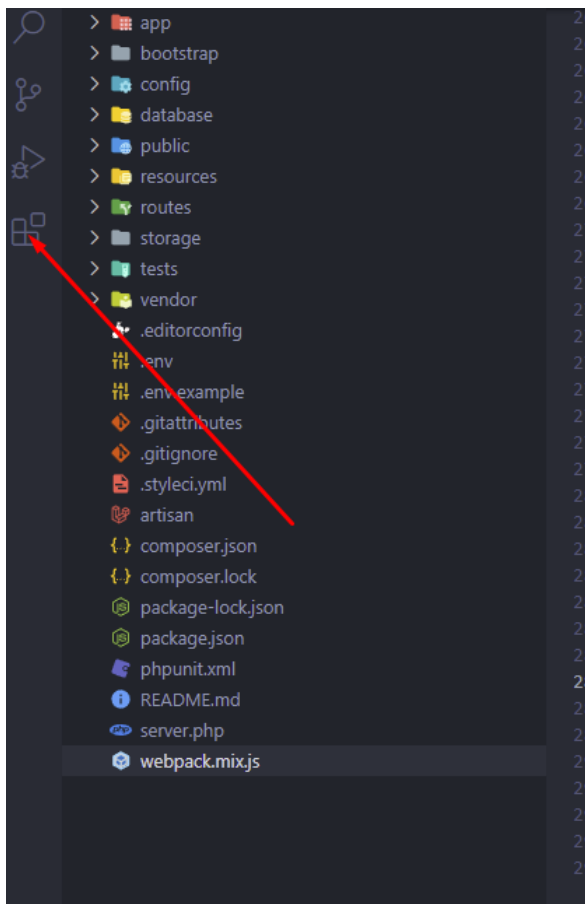
## Example Output

- **TEMPORARY EMPTY**

**FAQS**.

1. Hindi lumalabas yung mga kaka-upload na mga images ?
   Ans: Remove **public** > **storage** (folder) and run **php artisan storage:link**

2. Hindi nakakapag image upload, nag e-error po , na delete ko na po yung public>storage at naka generate napo ng new storage folder via **php artisan storage:link** command, ano po kaya problema ?
   Ans: Kung di mo pa na E-enable yung PHP **GD Extension,** enable mo muna kase yun yung culprit. Tapos restart mo na din si Apache From XAMPP, ( Stop & Start ) ulit. Kung error pa rin, restart mo na si PC mo.

3. Nag-eerror sa tuwing nag e-email notif.
   Ans: Iwasan gumamit ng VPN para hindi ma detect ni google mail SMPT, kase pag may na detect ito na unusual activities agad-agad nito blino-block yung gmail account.

4. Hindi ko po na tatanggap yung email notif kahit sinunod ko na yung #3 instruction.
   Ans: Check sa Spam folder mo or check mo ibang folder na nakapaloob sa gmail mo. Kung walang error na lumalabas it means successfully deployed yung email. Consider po natin na may delay kase hindi po premium yung email kaya hindi po mataas yung priority po.

5. May File size validation ba each time nag u-upload ng images?
   Ans: Yes meron upto 3MB to 5MB, explore mo nalang. Ginagawa natin to para mabawasan yung bigat ng web app. At need din natin i compress / optimize yung mga images para gumaan.

6. Paano po ba i reset as fresh yung project? Possible po ba yun ? Hassle po kase mag add at mag delete nanaman po.
   Ans: Yes possible, run the command: **php artisan migrate:fresh --seed**

7. May unusual error po kami na encounter.
   Ans: Try to clear cache , run the command: **php artisan optimize ,**
   Also clear browser cache.

8. Need po ba talaga na i-serve yung project para gumana?
   Ans: Yes need po talaga na may server since dynamic app po ito at hindi static.
   Need natin ng web server para gumana.
9. Gumagana po ba ito sa ibang OS ng windows? Yes gumagana po sa iilan as long legit yung OS hindi pirated, pero I encourage you na gumamit ng WINDOWS 10 dahil si win10 po ang pinaka stable pa rin po na OS especially sa development / programming. About naman kay WIN 11 expect the uncertain bugs po since mejo buggy pa po yan na OS, stick po muna kay WIN 10 hanggat maari.

10. Ano po yung ginawa ninyo para ganito dun yung layout na lalabas ?



Ans: Extensions po yan ni VSC, para po magmukhang ganyan din yung mga icon mo follow mo lang:

Hit: **Install** then good to go ka na .

11. Technology Used

**Front-End**

HTML 5 - HTML5 is a markup language used for structuring and presenting content on the World Wide Web. It is the fifth and final major HTML version that is a World Wide Web Consortium recommendation

CSS 3 - CSS3 is used with HTML to create and format content structure. It is responsible for colors, font properties, text alignments, background images, graphics, tables, etc. It provides the positioning of various elements with the values being fixed, absolute, and relative

 Bootstrap 5 + Materialize CSS - A custom framework with unique approaches of two different CSS frameworks.

Javascript - JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive

 jQUERY - jQuery is a fast, small, cross-platform, and feature-rich JavaScript library. It is designed to simplify the client-side scripting of HTML

Axios - Axios is a Javascript library used to make HTTP requests from node. js or XMLHttpRequests from the browser and it supports the Promise API that is native to JS ES6. It can be used to intercept HTTP requests and responses and enables client-side protection against XSRF.

**Back-End**

Laravel 9 - Laravel is an open-source PHP web application framework known for its elegant syntax. It's an MVC framework for building simple to complex web applications using the PHP programming language, and it strictly follows the MVC (model–view–controller) architectural pattern

**DB**

MYSQL - MySQL is a relational database management system (RDBMS) developed by Oracle that is based on structured query language (SQL).

# BUG ENCOUNTERED? TRY TO CLEAR CACHE :

php artisan optimize


# Or Re-Vert / Reset back to its Default State

php artisan migrate:fresh --seed // Reset and Reseed Dummy Data

# **Persistent Error**? Try to **redeploy** the Web Application.