Insta\_Like\_App

Create a new project named {Insta} using the Laravel command in the **bash** terminal of VS Code.

Now navigate to the specific file path and open the file via VS Code.

Now once it’s opened up, you should have to setup the project to all configurations.

First let’s create authentication for user Login/Logout and user registration, using the commands

composer require laravel/ui

This command will load and install the required Laravel UI dependencies for the project.

Then followed by

php artisan ui vue --auth

This command will generate the Login, registration view using the Laravel’s in-built bootstrap framework.

Now your registration , login template is ready.

This auth command will also generate a file **home** in the path **Resources/Views/layouts**.

Let’s also install the node dependencies to the project using the following command

npm install

This will install the latest NPM version of NodeJS.

NPM is a modern JS development framework.

Then we have to compile the downloaded node packages, that can be done with the following command

npm run dev

Sometimes, it happens that this command says “Finished, please run Mix again”.

Now again run the NPM RUN DEV to fix it.

In some cases if the errors are not yet fixed, try deleting the node\_modules directory and do the NPM INSATLL again

Now this will create a new directory named node\_modules.

Note:- This command has to be run when ever you make any changes in the css and js file.

Now there is a better alternative to this command, which runs automatically when these files are changed and that is as follows

npm run watch

If you want to view the output details run the following command

php artisan serve

This will start a server in the port 8000 with the URL 127.0.0.1

You can also change the port number like as in the following command

php artisan serve --port {port\_number}

Now let’s give access to the users to login and register.

For that, we need to work with databases.

Go to MySQL and create an empty database(in this documentation it’s Insta1).

Go to the file .env and provide the appropriate database settings.

Now we need to create a **migration** for users table with the following command

php artisan migrate

This will create a few tables viz., users\_table and passwords\_reset\_table.

Note→ When any change is made to the .env file, the server has to be restarted for the full-fledged functionality.

Now, you can register and login/logout in the app.

When logged in the navigation goes to the **home.blade.php**.

Now, the app is completely ready to be worked on.

First of all, lets clone the Instagram UI, for that open the Instagram app and let’s look at each element and try to clone it in our app.

Find an apt SVG logo for the app and download it and save it locally.

In the resources/views/layouts/app.blade.php file, change the title and the nav bar’s app name.

You can add a new input data field as **username** inin the register.blade.php as UI and the registerController for the data validations and in the users table to define a new column in the database.

Now we can run the php artisan migrate:fresh to reflect the changes in Database.  
The above command drops all the tables in the database and creates tables again with the schema defined in migrations.

Also, in the $fillable property in User.php model, add the username attribute so that it is validated in the database.

**Uploading Images to storage:**

We use the store() method to upload images.

It takes 2 parameters, the first one being the file location to store the image.

Second is the driver to store the file.

Once the image saving is done, you have to run the command **PHP ARTISAN STORAGE:LINK**, which will create a symbolic link from **public/storage** to **storage/app/public**

For more details → https://www.youtube.com/watch?v=ImtZ5yENzgE