**Final Project - Laravel Blog**

**1. Project Setup**

* Created a new Laravel project named blog.
* Configured the .env file for MySQL database connection.
* Ran default migrations to create users table and other necessary tables:

php artisan migrate

Installed NPM packages and built assets using Vite:

npm install

npm run build

### ****2. Creating the Posts Table****

* Created a migration named create\_posts\_table with the following columns:
  + id, title,
  + content,
  + user\_id,
  + timestamps.
* Linked posts to users via user\_id:

$table->unsignedBigInteger('user\_id');

### ****3. Creating Post Model and Controller****

* Created PostController with the following functionalities:
  1. index() → display all posts.
  2. create() → show form to create a new post.
  3. store() → save a new post in the database.
  4. edit() → show form to edit a post.
  5. update() → update post data.
  6. destroy() → delete a post.
  7. show() → display post details.

### ****4. Creating Views****

* Created resources/views/posts folder containing:
  1. index.blade.php → list all posts.
  2. create.blade.php → form for creating a post.
  3. edit.blade.php → form for editing a post.
  4. show.blade.php → display post details.
* Added session messages for success or error.
* Used Bootstrap for UI styling.

### ****6. Authentication System****

* Created AuthController with:
  + showRegister() → display registration form.
  + register() → register a new user and hash the password.
  + showLogin() → display login form.
  + login() → verify credentials and log in.
  + logout() → log out user.
* Created views:
  + resources/views/auth/register.blade.php
  + resources/views/auth/login.blade.php

### ****7. Linking Posts with Users****

* Added protection so that:
  + Only the post owner can edit or delete their post.
  + The "Create Post" button is shown only to authenticated users.

### ****8. General Improvements****

* Added welcome message for logged-in users:

Welcome, {{ Auth::user()->name }}

* Added logout button.
* Added Bootstrap alerts for all actions (success/error).
* Added confirmation dialog before deleting posts.

### ****9. Project Summary****

* The project includes:
  + Full CRUD for posts.
  + Detailed view for each post.
  + User registration and login system.
  + Authorization for operations per user.
  + Simple Bootstrap-based user interface

### ****10. GitHub project link:****

https://github.com/polamaher20/NTI-Laravel-Blog