Laravel-Development

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# Description

This document contains tasks performed/topics learnt that either explain the code or, are not reflected in code.

# Tasks Performed

## March 15, 2022, Tuesday

1. MySQL and Migrations
2. configured mysql
3. created database
4. used php artisan migrate command to make tables
5. mysql -u root -p
6. create database laravel;
7. ctrl c exitting out of terminal
8. php artisan migrate
9. Changed a field name (name->username)
10. php artisan migrate:rollback +php artisan migrate
11. OR
12. php artisan migrate:fresh
13. Added a field isAdmin to the users table structure
14. Populated the table
15. Eloquent models and flexibility
16. Users->pluck(‘property’); // gets a specific property of the model
17. Php artisan make:model post
18. Eloquent Updates and HTML Escaping

## March 16, 2022, Wednesday

1. Mitigating mass assignment vulnerabilities
2. Route Model Binding: Different user-defined key (slug)
3. Eloquent Belongs to Relationship
4. php artisan make:model Category -m
5. Categorizing each post and displaying in view

## March 17, 2022, Thursday

1. Showing all posts associated with a category
2. App\Models\Category::first()->posts; Getting all the posts of the first category.
3. Route Model Binding: Different user-defined key(slug) (not using id anymore for better url)
4. Solving n+1 problem by Post::with('category')->get() instead of posts::all()
5. Database seeding: User::truncate() in code and php artisan migrate:fresh –seed in terminal
6. Php artisan db:seed
7. Showing authors with posts and adding corresponding information to the database

## March 18, 2022, Friday

1. Using factories to fill the database
2. Php artisan make:factory Postfactory
3. App\Models\Post:with(‘user’, ‘category’)->first();
4. Arranged posts in descending order
5. Displaying posts for each author in a separate view
6. Allowing same author for every post (extra functionality- commented out for now)
7. Displaying author name instead of id in the url for better readability by inserting username category in the database

## March 19, 2022, Saturday

1. Eager load relationship in routes to prevent extra queries execution.
2. 'posts' => $author->posts->load(['category', 'author'])

## March 21, 2022, Monday

1. Integrating CSS and HTML for the blog
2. Converting them to Blade^
3. {{$slot}} keyword for accessing blade components
4. Making the blog dynamic (no hard coding, using blade for posts)

## March 22, 2022, Tuesday

1. Thesis
2. Dynamic posts using $posts
3. Using diffForHumans() function under created\_at to provide human-readable date
4. 1-2-3 posts layout
5. No rendering if posts count<0 check inserting

## March 23, 2022, Wednesday

1. Passing CSS as attributes from file to a component
2. <x-test-card :post="$post" class="{{ $loop->iteration < 3? 'col-span-3' : 'col-span-2'}}"/>
3. In the component file: <article

{{$attributes-> merge(['class' => 'transition-color……

1. Single dynamic post page
2. Moving categories to a separate component and reusing it in single post page

## March 24, 2022, Thursday

1. https://docs.google.com/document/d/1Po3NAwLCRcgeTOvraGhRC5KunA3mX\_yzBaIwGAIM6D8/edit#
2. Cleaned code
3. <div class="space-y-2 lg:space-y-0 lg:space-x-4 mt-4">
4. Implode(‘</p><p>, $this-> faker->paragraphs(2))

## March 25, 2022, Friday

1. Search bar for blog having a default value
2. Sustaining searched value in the search bar
3. Using controller to do database operations (while searching)
4. <form method="GET" action="#">

                <input type="text" name="search" placeholder="Find something"

                class="bg-transparent placeholder-black font-semibold text-sm"

                value="{{request('search')}}"> <!-- Let the searched word stay in search box -->

            </form>

1. Php artisan make:controller PostController (convention is singular not plural name)
2. public function scopeFilter($query){    //Post::newQuery()->filter()

in Post class

## March 26, 2022, Saturday

1. Alpine library for javascript
2. Dropdown menu for category

## March 28, 2022, Monday

1. Dropdown menu in javascript (continue)
2. Simple dropdown menu
3. Associated css
4. Keep the value of respected category in checkbox, when displaying its results

{isset($currentCategory)? ucwords($currentCategory->name) : 'Categories'}}

1. Added a category in dropdown menu to return to homepage in drop down

## March 29, 2022, Tuesday

1. Web
2. Laravel new demo
3. Cd demo
4. Composer require Laravel/breeze –dev
5. Php artisan breeze:install
6. Npm install && npm run dev
7. Node -v npm -v If not nodejs.org
8. Php artisan serve
9. Cd database and then pwd to get db path
10. Paste path in .env 06:29 check video
11. Cd../ and php artisan migrate