LAPORAN MODUL 3 PRAKTIKUM Mata Kuliah Pemrograman Web



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Kelas : TI-4B

Praktek ke : 3

PROGRAM STUDI TEKNOLOGI INFORMASI JURUSAN TEKNIK ELEKTRO POLITEKNIK NEGERI BANJARMASIN 2023

MODUL 3

Tujuan

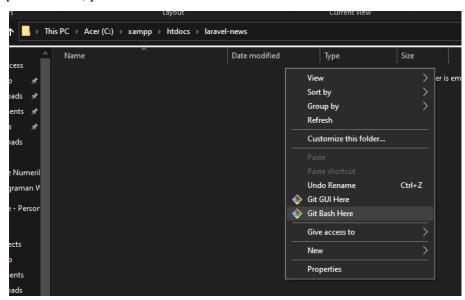
Setelah mempelajari modul ini anda diharapkan mampu:

- a. Memahami teknik *Model View Controller* (MVC) menggunakan bahasa pemrograman PHP
- b. Merancang program menggunakan teknik *Model View Controller* (MVC).

Praktikum

Install Laravel

Masuk ke C:\xampp\htdocs buat folder laravel-news, kemudian masuk. Klik kanan pada mouse, pilih Git Bash Here



akan muncul sebuah CMD, masukkan perintah *composer create-project laravel:* ^9.0 c030321051-project3

```
putri@LAPTOP-1KHBPEIC MINGW64 /c/xampp/htdocs/laravel-news
$ composer create-project laravel/laravel:^9.0 c030321051-project3
Creating a "laravel/laravel:^9.0" project at "./c030321051-project3"
Info from https://repo.packagist.org: #StandWithUkraine
Installing laravel/laravel (v9.5.2)

- Installing laravel/laravel (v9.5.2): Extracting archive
Created project in C:\xampp\htdocs\laravel-news\c030321051-project3

> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 108 installs, 0 updates, 0 removals

- Locking brick/math (0.11.0)
- Locking dflydev/dot-access-data (v3.0.2)
- Locking doctrine/inflector (2.0.6)
- Locking doctrine/instantiator (2.0.0)
- Locking doctrine/lexer (3.0.0)
- Locking dragonmantank/cron-expression (v3.3.2)
- Locking egulias/email-validator (4.0.1)
- Locking fakerphp/faker (v1.21.0)
```

Ketikkan perintah composer create-project laravel/laravel c030321051-project3

```
putri@LAPTOP-1KHBPEIC MINGW64 /c/xampp/htdocs
$ composer create-project laravel/laravel c030321051-project3
Creating a "laravel/laravel" project at "./c030321051-project3"
Info from https://repo.packagist.org: #StandWithUkraine
Installing laravel/laravel (v10.1.1)
- Downloading laravel/laravel (v10.1.1)
- Installing laravel/laravel (v10.1.1): Extracting archive
Created project in C:\xampp\htdocs\c030321051-project3
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 106 installs, 0 updates, 0 removals
- Locking brick/math (0.11.0)
- Locking doctrine/inflector (2.0.6)
- Locking doctrine/inflector (2.0.6)
- Locking dragonmantank/cron-expression (v3.3.2)
- Locking egulias/email-validator (4.0.1)
Locking fakapaphy/fakagy (v1.31.0)
```

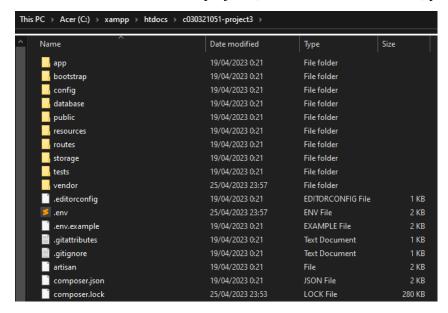
Symbolic Link

Ketikkan perintah *cd c030321051-project3* agar Laravel bisa membaca semua file yang ada di folder c030321051-project3

```
putri@LAPTOP-1KHBPEIC MINGW64 /c/xampp/htdocs
$ cd c030321051-project3
putri@LAPTOP-1KHBPEIC MINGW64 /c/xampp/htdocs/c030321051-project3
```

Lalu, ketikkan perintah php artisan storage:link

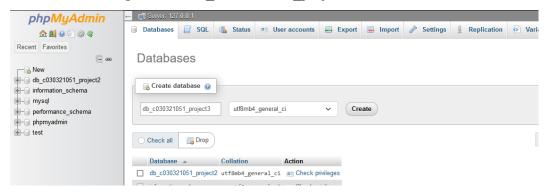
Di dalam folder c030321051-project3, akan muncul folder baru, yaitu folder storage



Database

Koneksi Laravel ke MySql

Buat database dengan nama db c030321051 project3



ubah code DB_DATABASE di file .env

```
∢ ▶
        .env
         APP_NAME=Laravel
         APP_ENV=local 
APP_KEY=base64:eBPiF99Hf0rcJYHClB122xVaG5MUmg1LZCdkhuderXE=
         APP_DEBUG=true
APP_URL=http://localhost
        LOG_CHANNEL=stack
LOG_DEPRECATIONS_CHANNEL=null
         LOG_LEVEL=debug
         DB_CONNECTION=mysql
        DB_HOST=127.0.0.1
DB_PORT=3306
        DB_DATABASE=db_c030321051_project3
DB_USERNAME=root
         DB_PASSWORD=
         BROADCAST_DRIVER=log
        CACHE_DRIVER=file FILESYSTEM_DISK=local
         QUEUE_CONNECTION=sync
SESSION_DRIVER=file
         SESSION_LIFETIME=120
         MEMCACHED_HOST=127.0.0.1
         REDIS_HOST=127.0.0.1
         REDIS_PASSWORD=null
REDIS_PORT=6379
```

Membuat Model dan Migration Category

Masukkan perintah php artisan make:model Category -m

Buka file app/Models/Category.php, masukkan perintah seperti gambar dibawah

buka file **database/migrations/2023_**_**_164949_create_categories_table.php**, sesuaikan code seperti gambar dibawah

Membuat Model dan Migration Post

Ketikkan perintah php artisan make:model Post -m di CMD untuk membuat

Buka file app/Models/Post.php, lakukan konfigurasi seperti dibawah

```
Postphp x

{php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Post extends Model

use HasFactory;

protected $fillable = [
    'title', 'slug', 'category_id', 'user_id', 'content', 'image', 'description'
    ];
}

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```

Buka database/migrations/2023_**_**_160941_create_posts_table.php, sesuaikan code seperti gambar dibawah

Membuat Model dan Migration Comment

Ketikkan perintah php artisan make:model Comment -m

```
putri@LAPTOP-1KHBPEIC MINGW64 /c/xampp/htdocs/c030321051-project3
$ php artisan make:model Comment -m

INFO Model [C:\xampp\htdocs\c030321051-project3\app/Models/Comment.php] created successfully.

INFO Migration [C:\xampp\htdocs\c030321051-project3\database\migrations/2023_04_30_141525_create_comments_table.php] created successfully.
```

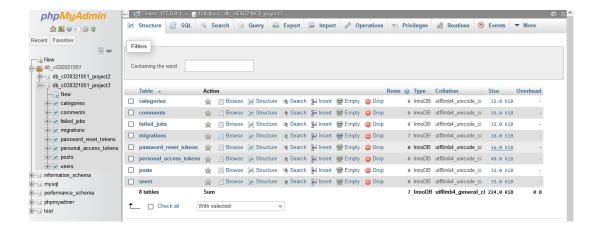
Buka file app/Models/Comment.php, lakukan konfigurasi seperti dibawah

Buka database/migrations/2023_**_**_141525_create_comments_table.php, sesuaikan code seperti gambar dibawah

Ketikkan php artisan migrate untuk membuat beberapa tabel dan column di database

```
### Putri@LAPTOP-1KHBPEIC MINGW64 /c/xampp/htdocs/c030321051-project3

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```



Ubah code app/Models/User.php seperti gambar dibawah

Setting relasi & Accessor Model Category

Ubah code app/Models/Category.php seperti gambar dibawah

Setting relasi & Accessor Model Comment

Ubah code app/Models/Comment.php seperti gambar dibawah

Setting relasi & Accessor Model Post

Ubah code app/Models/Post.php seperti gambar dibawah

Make Seeder User

Buat file didalam folder **database\seeders\UserSeeder.php** dengan mengetikkan perintah *php artisan make:seeder UserSeeder* di CMD

```
putri@LAPTOP-1KHBPEIC MINGW64 /c/xampp/htdocs/c030321051-project3
$ php artisan make:seeder UserSeeder

INFO Seeder [C:\xampp\htdocs\c030321051-project3\database/seeders/UserSeeder.php] created successfully.
```

Dump UserSeeder

ketikkan perintah *php artisan make:seeder UserSeeder* untuk men generate file autoload.php

dan juga perintah php artisan db:seed --class=UserSeeder

```
putri@LAPTOP-1KHBPEIC MINGW64 /c/xampp/htdocs/c030321051-project3
$ php artisan db:seed --class=UserSeeder
    INFO Seeding database.

putri@LAPTOP-1KHBPEIC MINGW64 /c/xampp/htdocs/c030321051-project3
$
```

Di dalam table users, otomatis terdapat sebuah user yang sudah dibuat sebelumnya

