#### **Laravel Activities**

Activity 1 - Create a Laravel Project using manual process - 20 pts

## **Procedure:**

1. Go to terminal of VS Code write the command below.

```
PS C:\Users\Christian Lloyd> cd..

PS <u>C:\Users</u>> cd..

PS C:\> cd xampp/htdocs

PS C:\xampp\htdocs> laravel new laravel_activity
```

2. In next step below, just press enter.

3. In next step below, enter 1 to select PHPUnit. Then wait for the next step

4. In next step below, enter mysgl to select MySQL.

5. Enter no for the next step below.

```
Default database updated. Would you like to run the default database migrations? (yes/no) [yes \rightarrow \square
```

6. If the Laravel is already installed, just go to project folder using command prompt follow command below.

# PS C:\xampp\htdocs> cd laravel\_activity

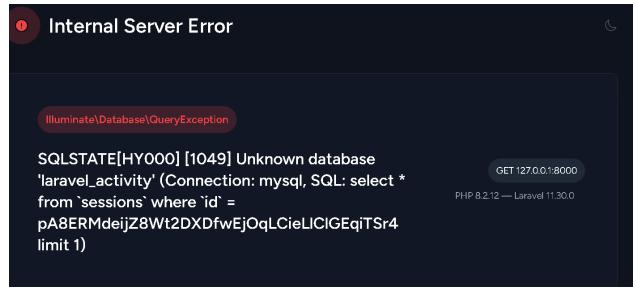
7. If you are inside your project folder you can enter this command, php artisan serve to get your website link.

```
PS C:\xampp\htdocs\laravel_activity> php artisan serve forking is not supported on this platform

INFO Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server
```

- 8. Press control + left-click to open your website project.
- 9. If you encounter the problem below, just go to <u>localhost / 127.0.0.1</u> phpMyAdmin 5.2.1, then create database base on your project name.



- Once you created a database go back to vscode and open your project located at xampp/htdocs.
- 11. Now open terminal and enter command below.

12. Then Enter again php artisan serve.

Activity 2 - Create and Configure Model and Controller.

#### **Procedure:**

1. First create a resource controller, follow the command below.

```
PS C:\xampp\htdocs\laravel_activity> php artisan make:controller StudentController --resource
```

- 2. Then Goto app\controller\StudentController.php then configure the following
  - A. Function index to display all students list.

```
public function index(): Factory|View
{
    $students = Student::all();
    return view(view: 'students.index', data: compact(var_name: 'students'));
}
```

B. Function create - to load the create form.

```
public function create(): Factory|View
{
    return view(view: 'students.create');
}
```

C. Function store - to store the data to database.

D. Function show - to show the selected student.

```
public function show(string $id): Factory | View
{
    $student = Student::findOrFail($id);
    return view(view: 'students.show', data: compact(var_name: 'student'));
}
```

E. Function edit - to load the edit form.

```
public function edit(string $id): Factory | View
{
    $student = Student::findOrFail($id);
    return view(view: 'students.edit', data: compact(var_name: 'student'));
}
```

F. Function update - to update the exisiting data.

G. Function delete - to remove the existing data.

```
public function destroy(string $id): RedirectResponse
{
    $student = Student::findOrFail($id);
    $student->delete();
    return redirect()->route(route: 'students.index')->with(key: 'success', value: 'Student deleted successfully.');
}
```

3. Go to terminal and create model and migration ( creating database table ).

```
PS C:\xampp\htdocs\laravel_activity> php artisan make:model Student -m
```

4. Go to app\models\Student.php and enter the code below.

5. Then go back to StudentController, import Student.php model to our StudentController, follow code below under namespace App\Http\Controllers;.

```
namespace App\Http\Controllers;
use App\Models\Student;
```

Activity 3 - Configure database table and create blades and configure routes.

## **Procedure**

1. Go to database/migrations folder and find 2024\_11\_02\_064945\_create\_students\_table.php file and enter the code below. This code is use to create attributes for database table.

```
    database
    factories

    migrations

    0001_01_01_0000000_create_users_table.php

    0001_01_01_0000001_create_cache_table.php

    0001_01_01_0000002_create_jobs_table.php

    2024_11_02_064945_create_students_table.php

public function up(): void
{
    Schema::create(table: 'students', callback: function (Blueprint $table): void {
        $table->id();
        $table->string(column: 'name');
        $table->string(column: 'email')->unique();
        $table->integer(column: 'age');
        $table->timestamps();
    }
});
```

2. Then go to terminal and enter command php artisan migrate to update the database table students in localhost.

```
id name email age created_at updated_at

Query results operations
```

3. Now go to this path folder and create folder student, index,create,edit,show views. Follow the image below.

```
resources
css
js
views
students
create.blade.php
edit.blade.php
index.blade.php
show.blade.php
welcome.blade.php
welcome.blade.php
```

4. Now Write this in every view you created in file.

A. index.blade.php

```
cmbiling="en">
cmbiling="en"
cmbiling="en">
cmbiling="en">
cmbiling="en"
cmbi
```

B. create.blade.php

# C. show.blade.php

# D. edit.blade.php

5. Go to routes/web.php then configure it and follow the code below.

```
use App\Http\Controllers\StudentController;
use Illuminate\Support\Facades\Route;

Route::get(uri: '/', action: [StudentController::class, 'index'])->name(name: 'students.index');
Route::get(uri: '/create', action: [StudentController::class, 'create'])->name(name: 'students.create');
Route::post(uri: '/store', action: [StudentController::class, 'store'])->name(name: 'students.store');
Route::get(uri: '/{id}', action: [StudentController::class, 'show'])->name(name: 'students.show');
Route::get(uri: '/{id}/edit', action: [StudentController::class, 'edit'])->name(name: 'students.edit');
Route::put(uri: '/{id}', action: [StudentController::class, 'update'])->name(name: 'students.update');
Route::delete(uri: '/{id}', action: [StudentController::class, 'destroy'])->name(name: 'students.destroy');
```