Laravel / Migrations

Brainster Web Development Academy

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Exercise 01

Initialize a new Laravel project and and register the following three routes:

GET /red

GET /blue

GET /green

Create a header and a footer webpage parts in separate files. The header and footer should contain the menu that has 3 links to the 3 registered routes, but the menu should be included from a separate file (it shouldn't be written twice, once in header, once in footer, but only once and used wherever needed). Then, create a separate master layout file where you will include the header and the footer. Depending on the route the user navigates to, the background of the page between the header and footer should be in the color stated in the route.

For example: if the user goes to http://localhost:8000/red, the page should include the header, then a red-background part and finally the footer.

Exercise 02

Create a web page for a young aspiring painter.

As per the specifications, the home page should contain a description and a mini gallery.
When the user clicks on the "Check out my paintings" button, he is taken to the /gallery page.
On this page, all pictures are shown in a grid. When a user clicks on any of the images, a modal appears showing the image in full size and the title as part of modal's header.

The navbar should contain links to the home page and the gallery page.
Include the navbar and the footer on all pages.

Screenshots of both pages are attached with this file.

Exercise 04

Initialize a new Laravel project.

Make 2 migrations that will create 2 tables in database: users and blogs.

For the users table the following columns are needed:
id, first_name, last_name, password and email.

For the blogs table, add the following columns:
id, title, description, image, text and user_id.

Create seeders using the Faker library and populate 10 users and 50 blogs.
The user_id in the blogs generated with faker should be a randomly fetched user.

Exercise 05

After you are done with the previous exercise, create one more migrations for a table named options. It consists of 3 columns: id, option and value.

Create a seeder for this table by creating a multidimensional associative array.

The first key should be the type of the option, and the value should be an array of options. Example ['city' => ['Skopje', 'Ohrid'], 'browser' => ['Chrome', 'Firefox'], ...] etc.

Create at least 4 different type of options and seed them in the table.

The final content of the table should look like this:

id	option	value
1	city	Skopje
2	city	Ohrid
3	browser	Chrome
4	browser	Firefox