

# Laravel / API

Brainster Web Development Academy



# Exercise 01

Create a Laravel project and implement a login functionality using any of the Laravel starter packs.

Make a migration for roles. The roles table should have id and name columns.

Make a seeder for the roles and seed them. We will need 2 roles: instructor and student.

Make a migration to add a new column role\_id in the users table and a foreign key from the roles table to the users table (don't forget to add a function for rollback too).

2

Create a middleware that will redirect them to two different pages depending on the role they have.

Here are the rules:

- The student user goes to the regular `home` page after login that shows `You are logged in!`.
- The instructor gets redirected to the `admin` page where a table of all users is shown.
- The instructors can only view the other instructors, but they can create, edit & delete students.



# Exercise 01

Create restful api for CRUD operations. As mentioned, only instructors should be able to create, edit and delete students.

Implement search functionality for the instructors. Above the table containing all instructors and students add an input which will filter the rows shown in table by name or email. When the instructors types something in the box new data should be fetched from database (backend filtering) and shown in the table. Implement this functionality using AJAX.

Keep an eye on the organization of files across this exercise. Think about what can be separate views, what can be added to the layouts, what should go in the controller etc.

Write a proper README.md file which you will include in the exercise and commit it to the repo associated with this exercise. Make sure someone following the README file can setup the project without having to figure out things by himself.

