

# Challenge 28 - Laravel

For this week's challenge, you need to create a web application for managing users.

The application will have a dashboard where we will list all registered users.

Create a migration for the tabel users with the following columns: id, username, password, email, is\_active, type (regular or admin).

Seed the admin with a seeder.

The application will not have an option for registration of new users. New users can only be added by an admin, and they can only login once they activate their account. The application will have only a login panel.

If the user who is logging in is Admin, redirect them to an admin-dashboard panel where all registered users are listed in a table. If the user who is login in is Regular, redirect them to a user-panel where you will print them a welcome message with their username.

On the admin-dashboard, the admin should have the option to deactivate existing users, delete them (use soft-delete) and create new users. Make these crud operations with AJAX.

For the creation of new users, make a pop-up form. This form should have the following fields: username, email, password.

When the admin creates a new user, the user is set by default as inactive.

An invitation mail is sent to this user automatically at the moment of creation. The mail should contain a link, which when clicked, the user will be activated. Make the functionality for sending an email with a Laravel event.

Example for the generated link:

<http://localhost:8000/validation/user@email/a23asdeaax312312asda>

Create a route and a controller for this link in which you will check the combination for the email and the code (the random string). You should also check if the link is expired or not.

If everything is ok, call a Laravel event which will make the user active.

If the email/code combination is incorrect, throw an error and redirect the user to a 401 page - unauthorised access, hint : Laravel HTTP exceptions.

If the email/code is correct, but the link is expired, throw an error and redirect the user to a view which will have a button. When the user clicks the button, generate a new link and send another mail to the user.

For the sending of the mails, use SendGrid or MailChimp.

## Scoring:

**1 point** Migrations, models, admin seeder, functionality for creation of new users, deleting them and deactivating them.

**3 points** First point plus the functionality for sending emails with a generated link through Laravel events.

**5 points** First and second point, plus the verification of the link(email/code/expiration), activation of the user through the link and the functionality for resending a new email if the link has expired.

Deadline:

**One** week after its presentation, 23:59h end of the day.