

Backend Laravel Test

Requirements:

- php 8.x.x
- Laravel 11
- composer 2.7.x
- postgresql/mysql

Scenario:

You are given tasks by client to create a simple CRM to manage employees by their companies. The features included on this module are:

1. There will be a super admin to create companies and no other roles must be able to do this action.
2. Each company created will have 2 roles by default which are:
 - a. Manager
 - i. Able to view all managers and employees
 - ii. Able to view detail of managers and employees
 - iii. Able to update their own information
 - iv. Able to manage (insert, update and delete) employees
 - b. Employee
 - i. Able to view all fellow employees
 - ii. Able to view detail employees
3. All data must be soft delete

When creating a company, automatically creates an account for manager for the company. The account for login will only use email and password and used a JWT Authentication. As for the employee's data it will only contains name, phone number and address. The company's data will include name, email and phone number.

Additional Information:

1. The client specifically requested that every list data must be paginate
2. The client also requests that every paginate data must be able to be sort and

search. As for the search just search by the name

3. Every account, employees and companies' data must be unique.

Tasks:

1. Create an ERD
2. Create and use REST API, **DO NOT** use web.php!
3. Create Models, Controllers and Migrations
4. Documentation (API and/or Code Requirements)
5. For the validation think of the normal case of validation that you can think of from reading the requirements and explain it on the documentation why you make the validation.
6. Test your features
7. (Optional) Seeders

Notes:

1. If you used 3rd party library/package to include them in your documentation 2. You may use *Handlers*, *Queue*, *Jobs*, *Resource* or any other technique as long as it's still in Laravel's Documentation.
3. Do not create unnecessary files, example: blade.php or empty controllers simply because you forget to delete it.

Send your test results via email to us at hr@paketur.com.

Don't forget to attach the **Github** link along **with Unit Testing**

Good Luck,



Recruitment Team of Paketur