



**Test Instructions: Mini Admin Panel to Manage Companies**

*Introduction:*

Thank you for your interest in the Laravel developer position at Xepos Ltd. As part of our hiring process, we would like you to complete a short test to assess your skills in Laravel development. This test involves building an admin panel to manage companies and their employees, creating a mini-CRM application. We encourage you to demonstrate your expertise in Laravel, database management, front-end development with Vue.js, and adherence to best practices. Please read the following instructions carefully and complete the tasks independently.

Coding Language: Laravel, Vue.js/React

*Test Instructions:*

1. Basic Laravel Authentication:
   * Implement a login system for administrators.
2. Database Seeding:
   * Use Laravel's database seeders to create the initial administrator user with the following credentials:
     + Email: admin@admin.com
     + Password: "password"
3. CRUD Functionality:
   * Implement CRUD operations (Create/Read/Update/Delete) for two menu items: Companies and Employees.
4. Companies Table:
   * Create a "Companies" database table with the following fields:
     + Name (required)
     + Email
     + Logo (minimum size of 100x100)
     + Website
5. Employees Table:
   * Create an "Employees" database table with the following fields:
     + First name (required)
     + Last name (required)
     + Company (foreign key referencing the "Companies" table)
     + Email
     + Phone
6. Database Migrations:
   * Use Laravel's database migrations to create the schema for the "Companies" and "Employees" tables.
7. Logo Storage:
   * Store the company logos in the **storage/app/public** folder.
   * Make the logos accessible from the public directory.
8. Resource Controllers:
   * Utilize Laravel's resource controllers with default methods (index, create, store, etc.) for Companies and Employees.
9. Validation:
   * Use Laravel's validation functions, preferably by utilizing Request classes.
10. Pagination:
    * Implement Laravel's pagination feature to display the Companies/Employees list with 10 entries per page.
11. Email Notification:
    * Send an email notification whenever a new company is entered.
    * You can use either Mailgun or Mailtrap for email testing.
12. Front-end Implementation:
    * Build the front-end using Vue.js.
    * Utilize APIs to connect the backend with the frontend.
13. Git Repository:
    * Upload the project to a Git repository and share the repository link with us.

*General Rules:*

* Please complete this test individually, without assistance from others.
* You are allowed to use online resources and consult the Laravel and Vue.js documentation as needed.
* Ensure that your code is well-organized, follows best practices, and is easily understandable.
* Pay attention to code quality, including appropriate naming conventions and comments where necessary.
* Upon completion, share the Git repository link with us for evaluation

Thank you for taking the time to complete this test. We value your effort and look forward to reviewing your submission. Should you have any questions or need clarification, please feel free to reach out to us. Happy coding!