Project Documentation - PHP Laravel Technical Task

Introduction

This project is a PHP Laravel application that allows users to register and save their information in a database. The application also sends a welcome email to newly registered users and uses queueing to process email requests efficiently.

Requirements

To run this application, you need the following:

PHP 8.0.2

Composer

Laravel Framework 9

MySQL database

Installation

Clone the repository from GitHub:

git clone https://github.com/krishnamav/laravelproject.git

Change directory to the project folder: cd laravelproject

Install project dependencies

composer install

Create a new. env file and configure the database settings:

cp .env.example .env

php artisan key:generate

php artisan migrate

(If you encounter any issues with the migration process, please create a new database and import the SQL file provided in the "database" folder. This SQL file contains the necessary table structures and data required for the application to function correctly. By importing the SQL file into the newly created database, you can ensure that the required tables and data are available for the application to run smoothly.)

Seed the roles table: php artisan db:seed --class=RolesTableSeeder

Start the development server: php artisan serve

Usage

Registration

Access the application in your web browser using the URL provided by the development server.

Click on the "Register" button to access the registration form.

Fill in the required fields:

Name

Email

Password

Interests (Select multiple checkboxes from Sports, Reading, News, Traveling, and Fooding)

Click the "Register" button to submit the form.

If the registration is successful, a success message will be displayed, and the user's information will be saved in the database.

User List

After registration, you will be redirected to the user list page.

The user list displays the following information for each registered user:

Name

Email

Interests (retrieved from the user_interest table)

Roles (retrieved from the roles and role_user tables)

The user list uses DataTables to provide pagination, sorting, and searching functionalities.

Email Notification

After successful registration, a welcome email is sent to the user's email address.

The welcome email is processed using the Laravel Queue system to ensure efficient processing.

The email content can be customized in the WelcomeEmail.php file located in the app/Mail directory.