

Mini-CRM Project Documentation

Project Overview

This document provides an overview and instructions for setting up and running the Mini-CRM application developed using Laravel and MySQL. The application includes CRUD functionality for managing Companies and Employees and supports features such as user authentication, file storage, multi-language support, and email notifications.

Database

Database Name: mini_crm

Database Schema

Companies Table:

- id: Primary Key (Auto Increment)
- name: String (Required)
- email: String (required)
- logo: String (Minimum size: 100x100, stored as file path)
- website: String (required)
- Timestamps (created_at, updated_at)

Employees Table:

- id: Primary Key (Auto Increment)
- first_name: String (Required)
- last_name: String (Required)
- company_id: Foreign Key (References id in Companies Table)
- email: String (required)
- phone: String (required)
- Timestamps (created_at, updated_at)

Database Migration Files

- **Companies Migration:** Creates the companies table.
- **Employees Migration:** Creates the employees table.

Running the Application

- 1. Install Dependencies:** Ensure you have PHP, Composer, and Node.js installed. Navigate to the project directory and run:
composer install
npm install
php artisan serve
npm run dev
- 2. Set Up Environment:** Copy the .env.example file to .env and update the database credentials as follows:
plaintext
Copy code
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=mini_crm
DB_USERNAME=root
DB_PASSWORD=
- 3. Generate Application Key:** Run the following command to generate a new application key:
bash
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php artisan key:generate
- 4. Run Migrations:** Apply the database migrations:
bash
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php artisan migrate
- 5. Seed the Database:** Create an initial administrator user with the following command:
bash
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php artisan db:seed
- 6. Start the Development Server:** Use the following command to start the Laravel development server:
bash
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php artisan serve
- 7. Compile Assets:** Run the following command to compile the front-end assets:
bash
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npm run dev

Features

- **Authentication:** Admin login with email admin@admin.com and password password.
- **CRUD Operations:** Manage Companies and Employees.
- **File Storage:** Upload and manage company logos in the storage/app/public folder.
- **Pagination:** List Companies and Employees with 10 entries per page.
- **Datatables:** Use Datatables.net for enhanced table display.
- **Email Notifications:** Send an email when a new company is added.