**Mini-CRM: Manage Companies & Employees**

**LOG IN AS ADMINISTRATOR**

Email: admin@abc.com

Password: abc123

**TABLES**

**Companies DB table consists of these fields:** Name (required), email, logo (minimum 100×100), website

**Employees DB table consists of these fields:** First name (required), last name (required), Company (foreign key to Companies), email, phone

**DATABASE MIGRATIONS TO CREATE THE ABOVE SCHEMAS: CREATING AND SEEDING TABLES**

# remove any existing companies or employees tablels

# php artisan make:migration create\_companies\_and\_employees\_tables.php

This will create an empty files i.e. 2019\_04\_15\_170754\_create\_companies\_and\_employees\_tables.php

Copy the contents of create\_companies\_and\_employees\_tables.php to 2019\_04\_15\_170754\_create\_companies\_and\_employees\_tables.php

# php artisan migrate

# php composer.phar dump-autoload

# php artisan db:seed

**BASIC LARAVEL RESOURCE CONTROLLERS**

basic Laravel resource controllers with default methods – index, create, store etc.

**LARAVEL VAIDATION USING REQUEST CLASSES, LOGOS UPLOADED MUST BE MIN 100x100**

$this->validate(Request(), [

'name' => 'required',

'slug' => 'required',

'logo' => 'required|image|mimes:jpg,jpeg,png,gif|dimensions:min\_width=100px,min\_height=100px',

]);

Logos are stored in the /uploads directory

**LARAVEL PAGINATION, SHOWING 10 ENTRIES PER PAGE**

On the view all companies and view all employees pages, pagination has been used

i.e. use $employees = Employee::paginate(10); in the controller and {{ $companies->links() }} in the blade.

On the view company page, a list structure has been used to show employees within the company. The advantage of the list structure is you can have a form on each row without needing JavaScript to submit the form (the delete function).

**EMAIL NOTIFICATION USING MAILTRAP**

Create app/MAIL/NewCompanyNotification.php

In the build function use a blade to create an email

$address = 'me@myself.com';

$name = 'Duncan';

$subject = 'New Company Notification';

return $this->view('companies.notification')

->from($address, $name)

->cc($address, $name)

->bcc($address, $name)

->replyTo($address, $name)

->subject($subject);

}

In config/mail.php set parameters i.e the host

'host' => env('MAIL\_HOST', 'smtp.mailtrap.io'),

User specific details i.e. passwords are set in the .env file which does not go into the Github repository.

**UNIT TESTS: CREATING A COMPANY AND EMPLOYEE**

Use the following command to run PHPUnit tests

vendor\bin\phpunit

This will run tests in

tests\Feature

The following file tests creating a company and employee

tests/feature/BasicTest1.php