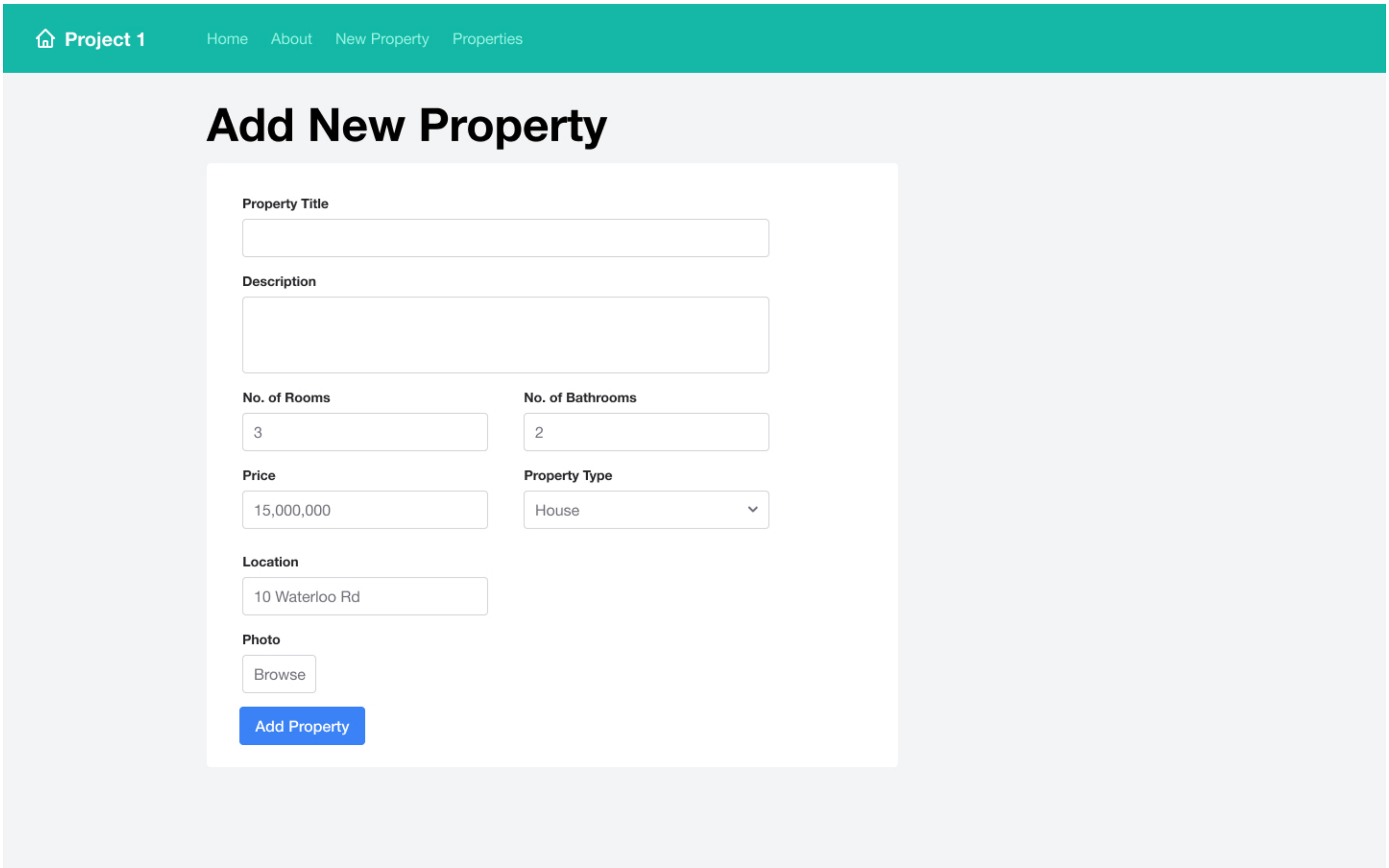
COMP3385 Project 1

Due Date:

March 17, 2024 at 11:59 PM

At the end of this project you will have a Laravel based application that can accept and display information on properties available for rent/sale. The property information will also be stored in a PostgreSQL database.



Property Title

Description

No. of Rooms: 3

No. of Bathrooms: 2

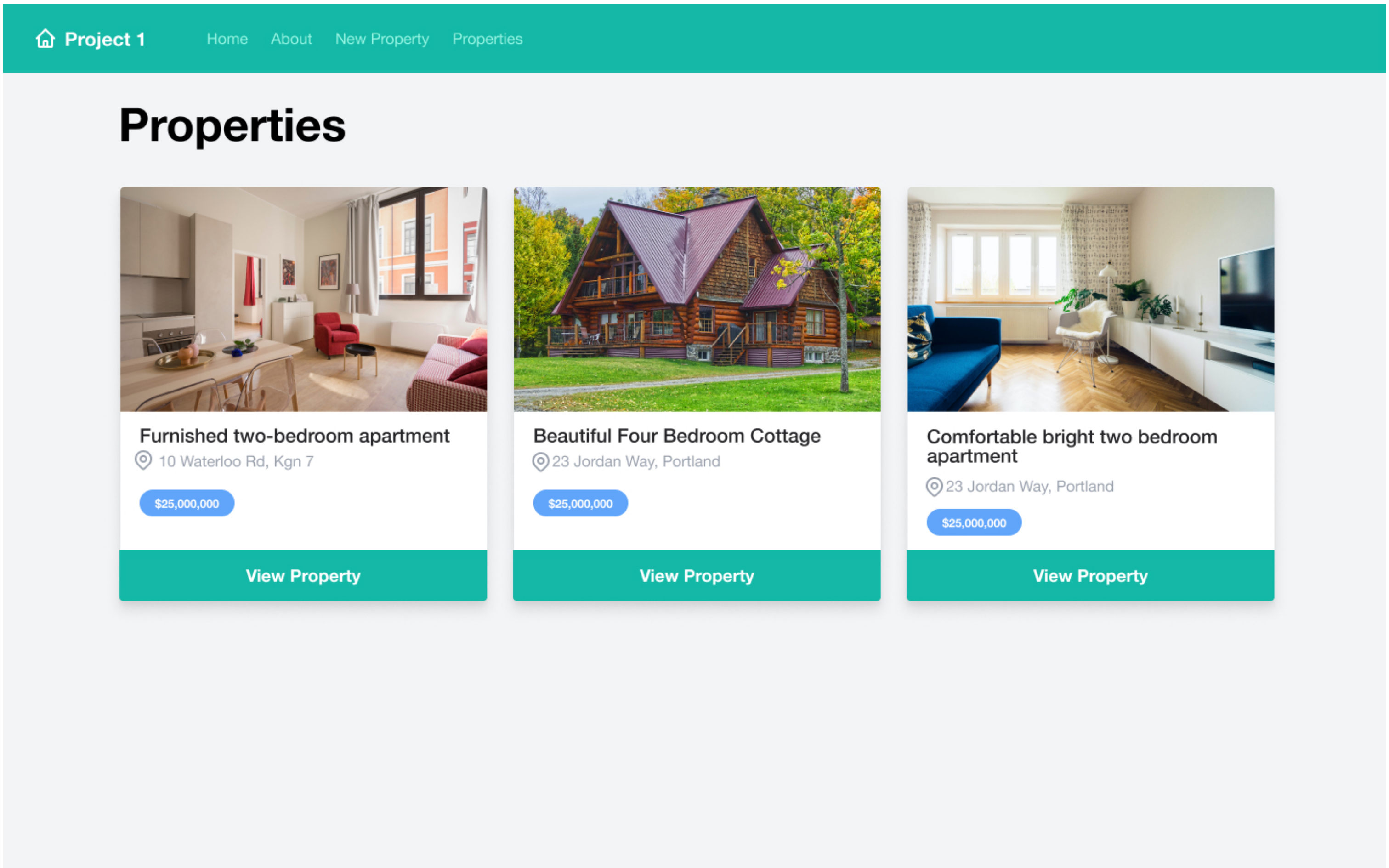
Price: 15,000,000

Property Type: House

Location: 10 Waterloo Rd

Photo

Figure 1: Add New Property Form



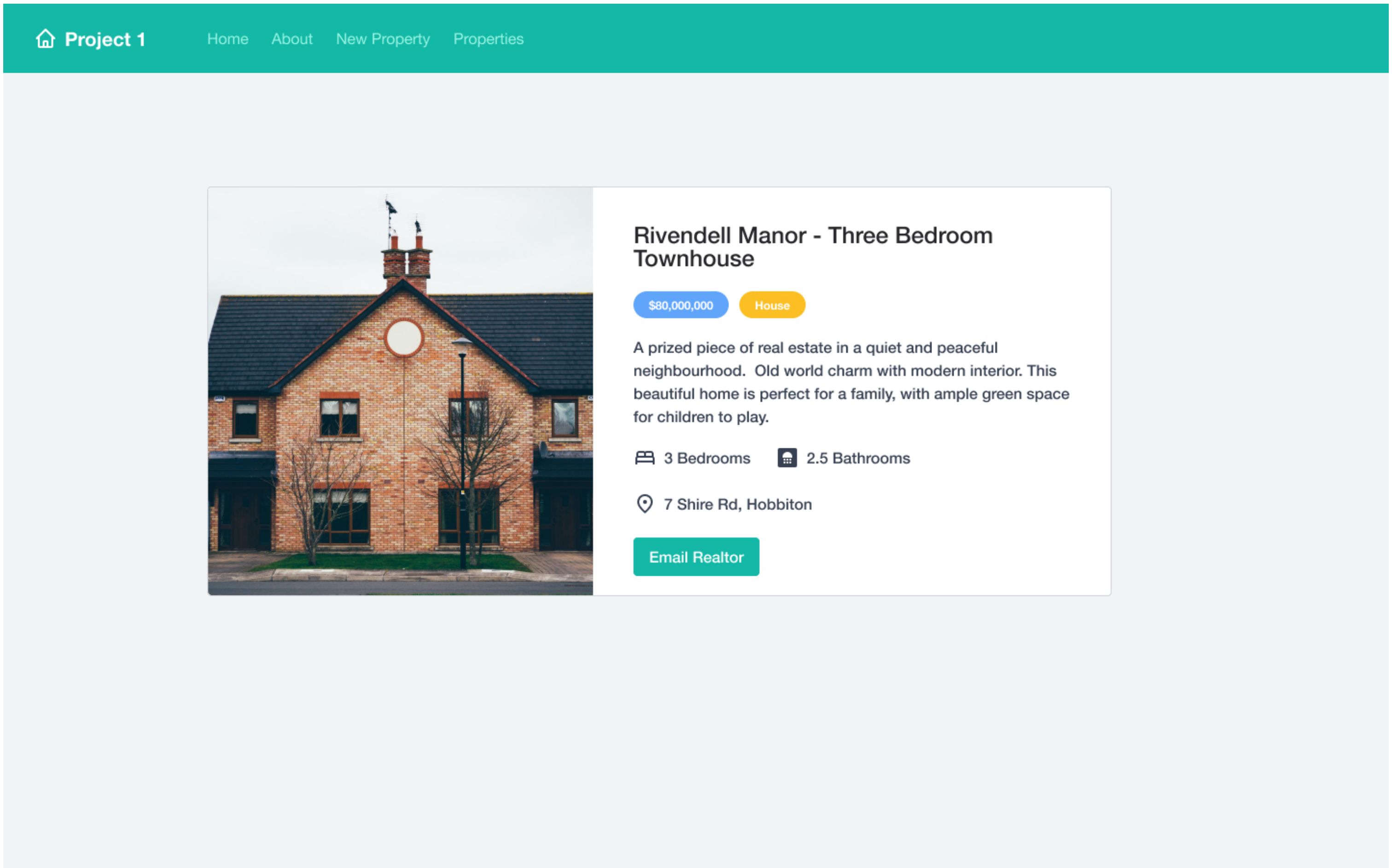
Properties

Furnished two-bedroom apartment
10 Waterloo Rd, Kgn 7
$25,000,000

Beautiful Four Bedroom Cottage
23 Jordan Way, Portland
$25,000,000

Comfortable bright two bedroom apartment
23 Jordan Way, Portland
$25,000,000

Figure 2: List of Properties Available



Rivendell Manor - Three Bedroom Townhouse

$80,000,000 House

A prized piece of real estate in a quiet and peaceful neighbourhood. Old world charm with modern interior. This beautiful home is perfect for a family, with ample green space for children to play.

3 Bedroom 2.5 Bathrooms

7 Shire Rd, Hobbiton

Figure 3: Individual Property Information

Specifications

Use the knowledge you have gained in your Lectures, Tutorials and Labs to create a Laravel App that accepts input for a user to create a new property and also display both a list of those properties as well as an individual property.

Feel free to use the Laravel Starter code at https://github.com/uwi-comp3385/laravel-app-starter as a basis to start your application.

> **Remember**
>
> You will also need to copy and rename the `.env.sample` file to `.env` and update it with your database credentials. Also remember to do a `composer install` to get all the Laravel dependencies for your project and to generate an `APP_KEY` with `php artisan key:generate`.

The following routes will need to be created and appropriate templates rendered:

1. `/properties/create` For displaying the form to add a new property. (See Figure 1)
2. `/properties` For displaying a list of all properties in the database. (See Figure 2)
3. `/properties/{property_id}` For viewing an individual property by the specific property id. (See Figure 3)

The Add New Property form must be created with the following fields:

1. Text fields for **title**, **number of bedrooms**, **number of bathrooms**, **location** and **price**.
2. Select (option) field for **type** (whether House or Apartment)
3. Textarea field for a short **description**.
4. File upload field called **photo** which accepts the image of the Property.

Upon submission, the form should make a `POST` request and validate the user input to prevent bad data. A unique `id` should be generated (e.g. an auto incrementing id field in your model) and also the *filename* of the `photo` for the new property should be saved in the database. All of this input must be stored in a PostgreSQL database.

Once a property is successfully added the user should be redirected to the `/properties` route and a flash message should be displayed notifying the user that the property was successfully added.

Note:

You **MUST** generate a migration file for your `Property` model so that the database can be recreated. Remember to ensure your migration file is committed to your repository.

For the list of properties page, you are to display a list of **ALL** properties. Each property should display the *photo*, *title*, *location*, *price* and a button/link that when clicked should carry you to the individual property page where you can view more details. (See Figure 2).

On the Individual property page, you should have the property's photo, title, description, no of bedrooms, no of bathrooms, location and price, along with whether or not it is a house or apartment. You should also have a button to "Email Realtor" (See Figure 3). Please note the button does not need to do anything for this project.

Note:

You must also add navigation links to the `/properties/create` and `/properties` routes in the navigation bar.

Submission

Submit your code via the "Project 1" link on the VLE. You should submit the following links:

- Github repository URL for your Laravel Exercise e.g. https://github.com/{yourusername}/comp3385-project-1