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A brief description of the tasks and techniques utilized in order to achieve the tasks successfully is summarized in the last page (page 7)

Key Web Techonologies Used (Client Side & Server Side)

- Laravel 4.2
- MySql
- Bootstrap
- J query

Hardware/Software requirements.

- Apache, Php 5.4 or higher, mysql (WAMP or LAMP) stack
- Internet connection
- Web browser

Installation Windows Environment

(Assuming mysql database user = 'root' and password ='')

1) Clone the project from: https://github.com/chamindar2002/laravel-project-assignment.git
to web root directory.

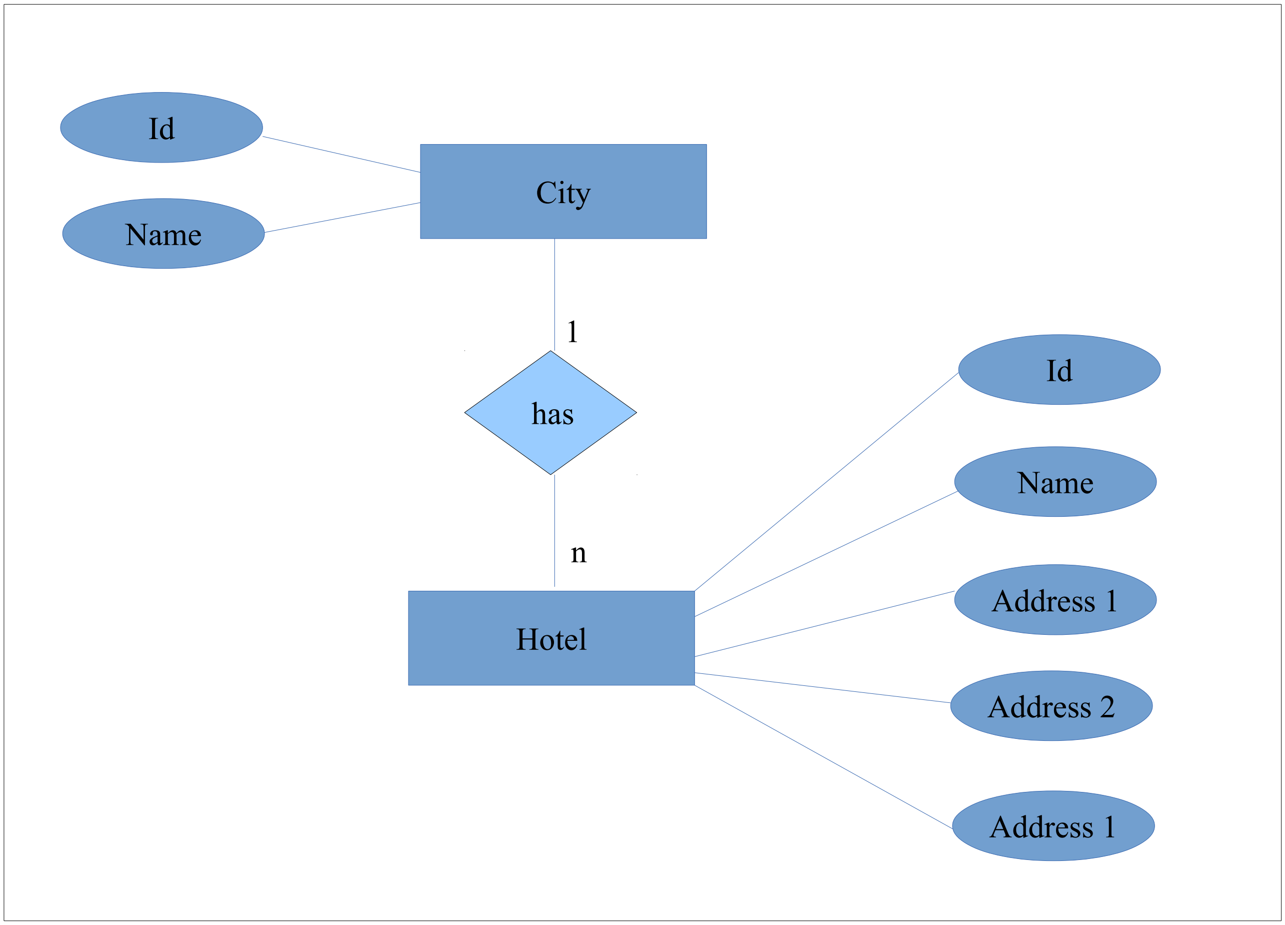
2) execute the '**database.sql**' file located in the ***app/database/database.sql*** directory.
(the SQL script will create a new database called 'laravelpr-2 ')

3) If required change database user credentials in app/config/database.php (Line 59 and 60)

4) open web browser and goto : http://127.0.0.1/laravel-project-assignment/public/

NOTE: No need to run ***composer update*** and ***composer install*** commands as vendor directories are included in the repository.

ER Diagram


Id
Name
City
1
has
n
Hotel
Id
Name
Address 1
Address 2
Address 1

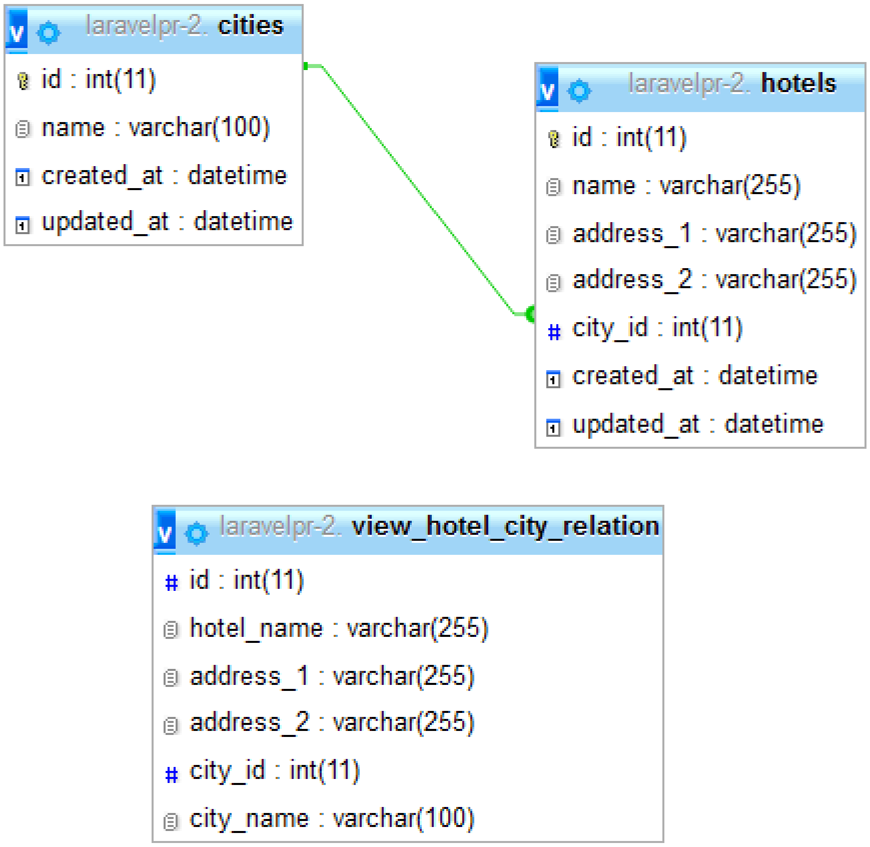
Database Schema

Tables

- cities
- hotels

Views

- view_hotel_city_relation



laravelpr-2. **cities**

id : int(11)
name : varchar(100)
created_at : datetime
updated_at : datetime

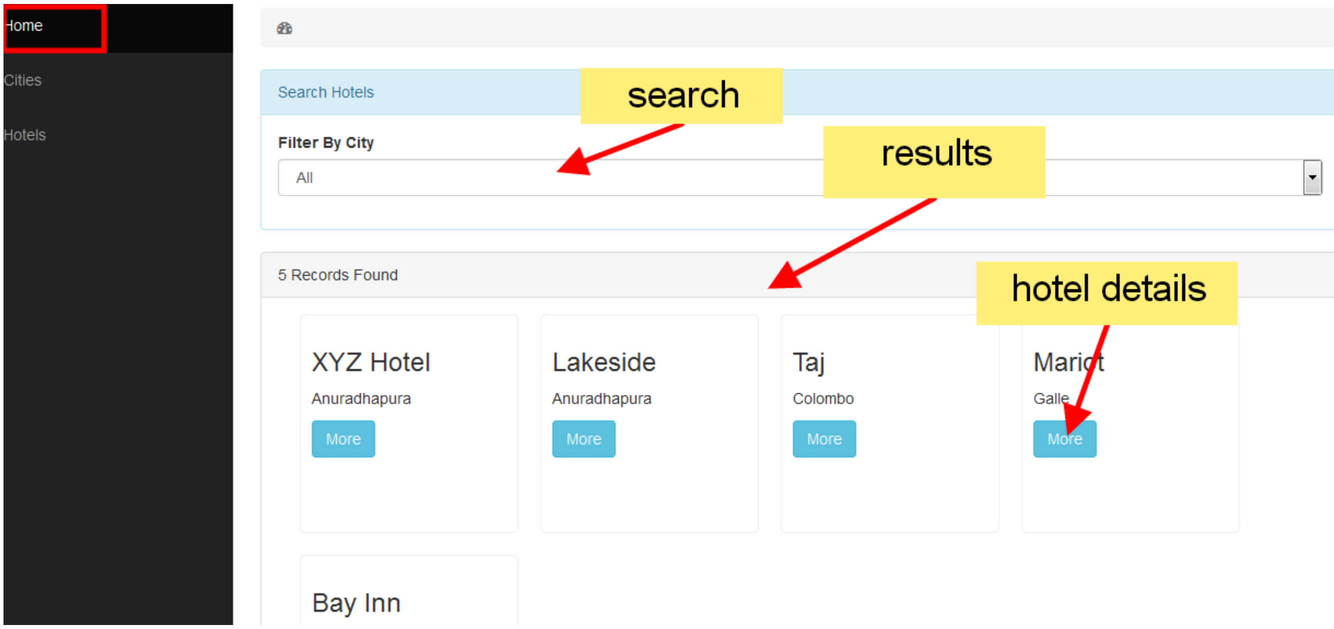
laravelpr-2. **hotels**

id : int(11)
name : varchar(255)
address_1 : varchar(255)
address_2 : varchar(255)
# city_id : int(11)
created_at : datetime
updated_at : datetime

laravelpr-2. **view_hotel_city_relation**

id : int(11)
hotel_name : varchar(255)
address_1 : varchar(255)
address_2 : varchar(255)
# city_id : int(11)
city_name : varchar(100)

Home Page



Filter By City: All

5 Records Found

XYZ Hotel — Anuradhapura

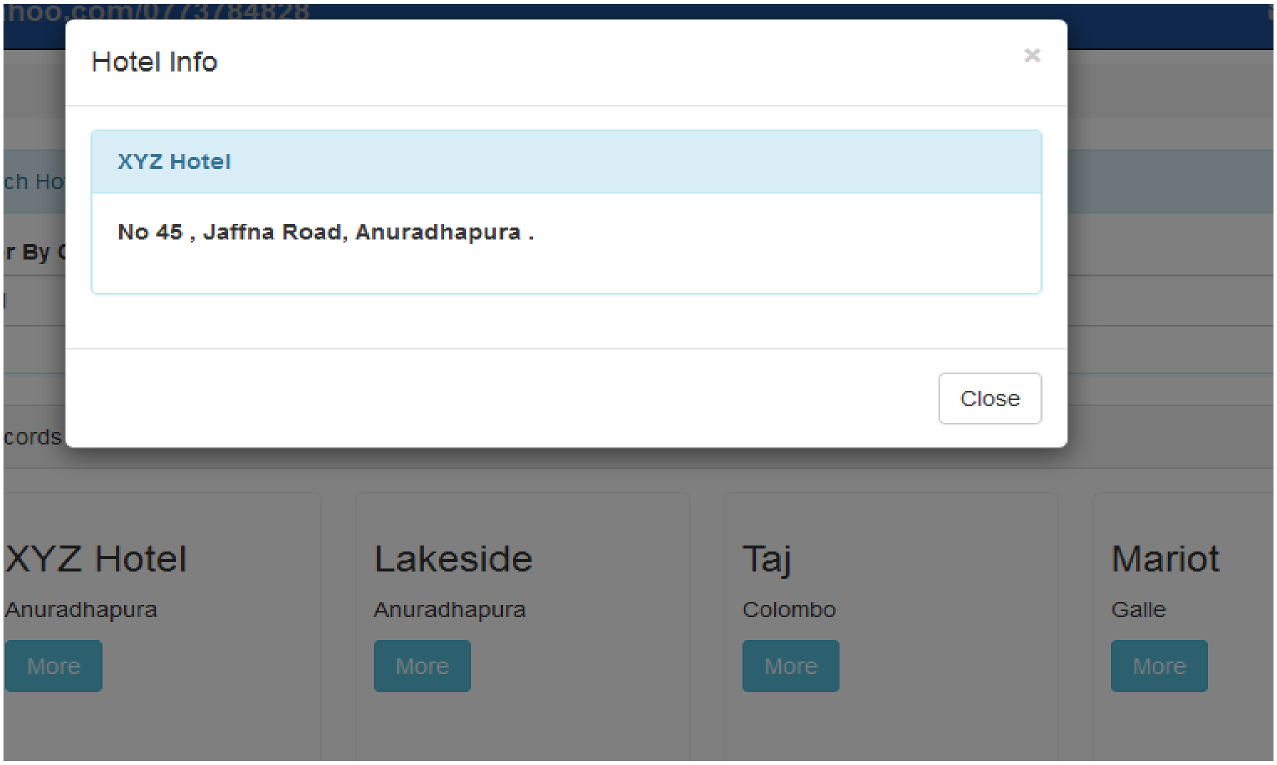
Lakeside — Anuradhapura

Taj — Colombo

Mariot — Galle

Bay Inn

Hotel details light box



XYZ Hotel

No 45 , Jaffna Road, Anuradhapura .

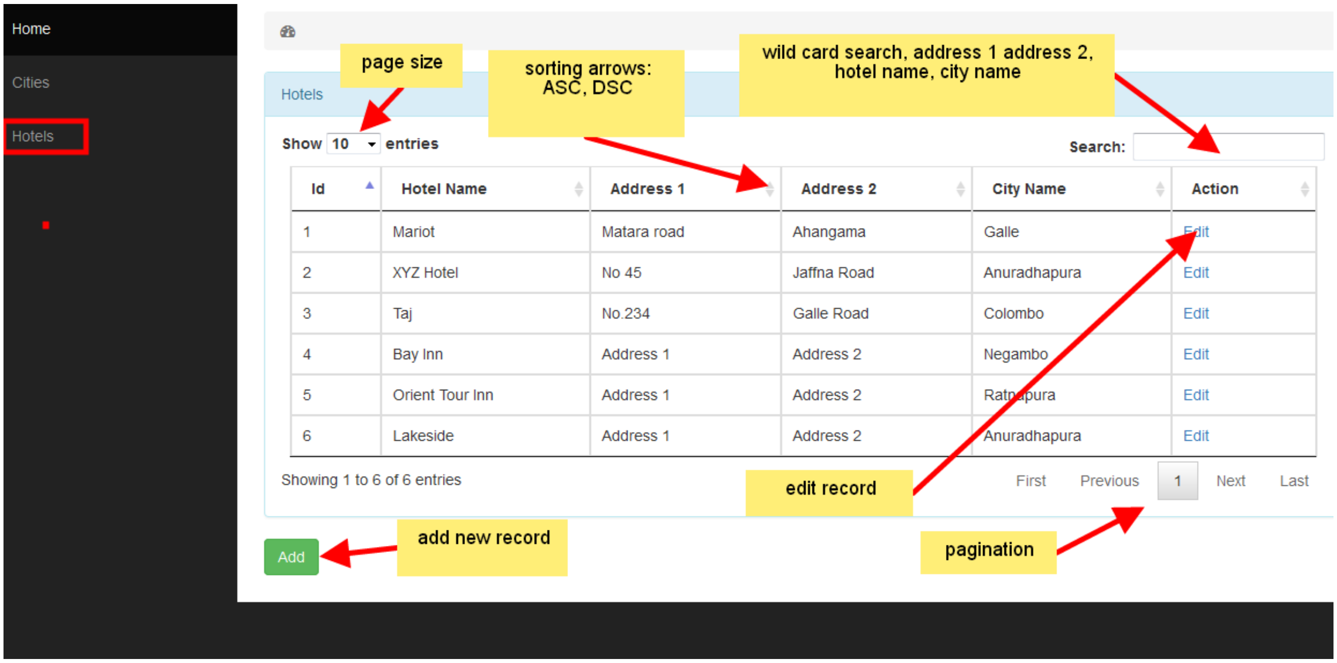
XYZ Hotel — Anuradhapura

Lakeside — Anuradhapura

Taj — Colombo

Mariot — Galle

Hotels Index Page



Hotels

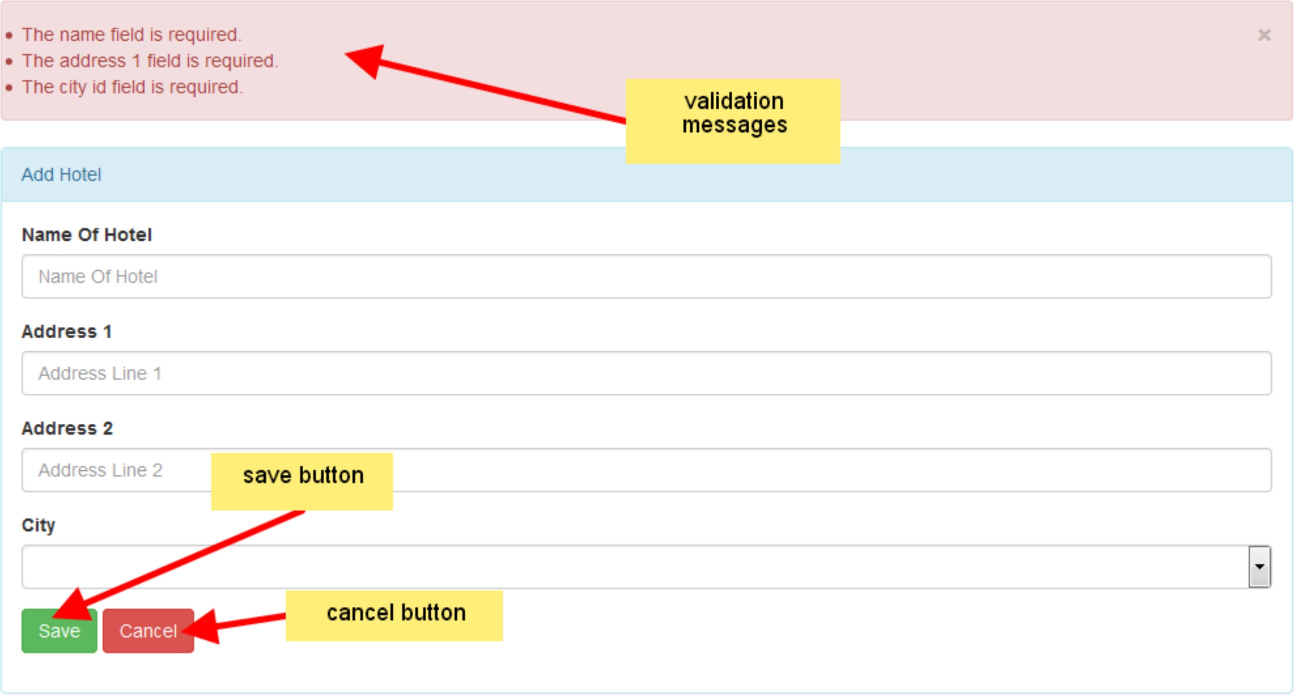
Show 10 entries

Search:

Id	Hotel Name	Address 1	Address 2	City Name	Action
1	Mariot	Matara road	Ahangama	Galle	Edit
2	XYZ Hotel	No 45	Jaffna Road	Anuradhapura	Edit
3	Taj	No.234	Galle Road	Colombo	Edit
4	Bay Inn	Address 1	Address 2	Negambo	Edit
5	Orient Tour Inn	Address 1	Address 2	Ratnapura	Edit
6	Lakeside	Address 1	Address 2	Anuradhapura	Edit

Showing 1 to 6 of 6 entries

Hotels Add Page



- The name field is required.
- The address 1 field is required.
- The city id field is required.

Add Hotel

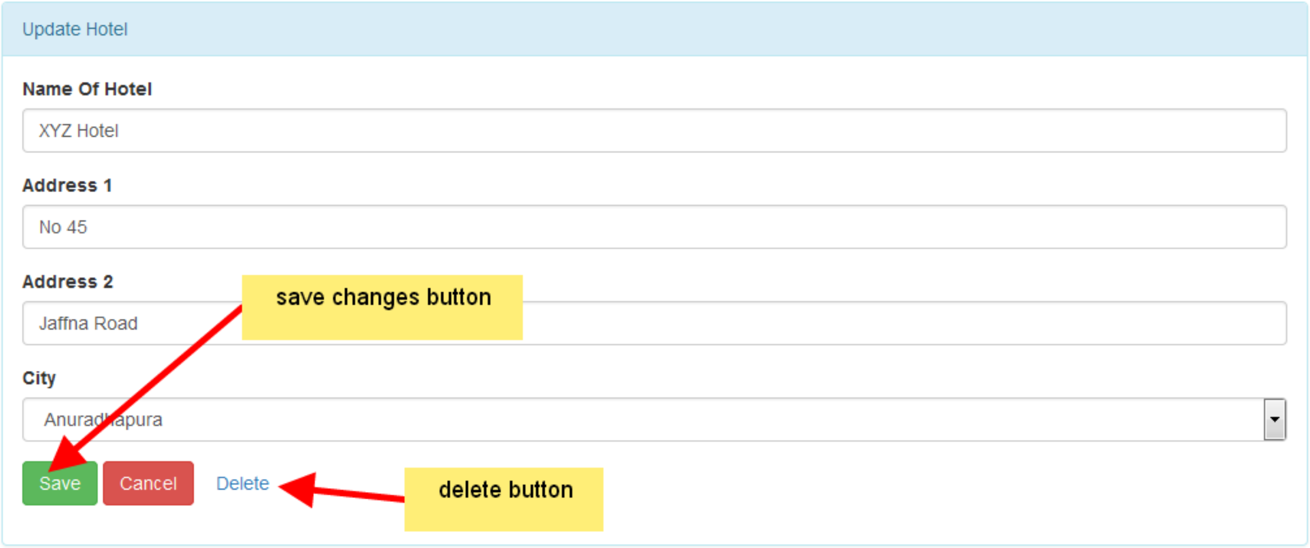
Name Of Hotel: Name Of Hotel

Address 1: Address Line 1

Address 2: Address Line 2

City:

Hotel Edit Page



Update Hotel

Name Of Hotel: XYZ Hotel

Address 1: No 45

Address 2: Jaffna Road

City: Anuradhapura

save changes button

delete button

Use Case

Create a web application for adding/searching hotels in Sri Lanka. Application consists of two web pages one for entering the details of the hotels and the other for city based search including sorting.

Summary

In order to achieve the tasks mentioned in the use case scenario, I used Laravel 4.2 PHP framework together with Mysql database.

Two main entities were identified as City and Hotel entities. To map the two entities with the scenario I created a view joining the two tables using its key attributes to help optimize queries in searching and sorting of hotels cities. (please refer to schema diagram in page 3).

Traditionally to the two pages mentioned in the task I also created home page to make the site comprehensive with a landing page of all the cities and a filter option to filter hotels relevant to city.

Theme: A twitter responsive bootstrap template (https://wrapbootstrap.com/) was used to enhance the look and feel of the application. (please see screens attached)

Jquery with ajax was used to append hotel details on a lightbox window to make the application more user friendly.

Chumper datatable package (https://github.com/Chumper/Datatable) to render the data of cities and hotels from tables and views.