REAL ESTATE

Laravel Project Report

Min Mya Thi
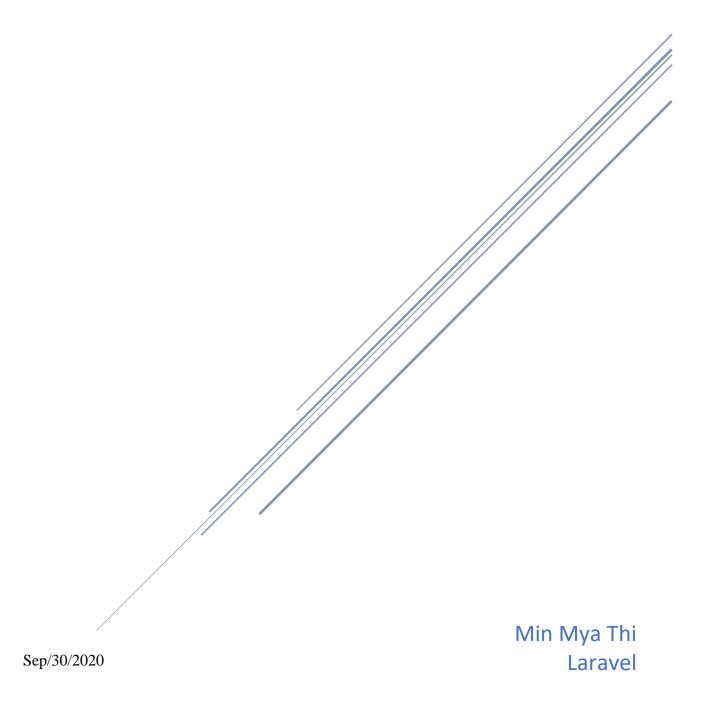Laravel

Abstract

This project will provide online real estate website which will be named as Arizona Real Estate and will produce the development report which will aims to analyse, examine and plan for the implementation, using with Laravel. The research will be gathered and justified to focus on building proper real estate webpages which contain the functional actions for each user role.

Acknowledgement

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1 Introduction

As technologies are becoming much advanced, most online businesses are struggling to compete with one another so that they will be able to grip their consumers and gain their profits and be successful. Fulfilling such businesses' needs are extremely challenging for those companies which have not yet started to experiencing web online system and it is undoubtedly truth that every data in their system is extremely sensitive to both staffs and clients.

2 Project Description

For this project, the online real estate website for a start-up company named Arizona will be built by using Laravel. This website will have actions to sell and buy real estate via computerized transaction. Concerning those actions, the whole website will contain the most fundamental and important actions for both clients such as registration, receipt, transits receipt facilitating the financing & payment features. Moreover, the main functionalities where the real estate webpages are successfully being facilitated will also be included like approving commercial registration certificate, requesting estate for renting or selling, and data collection systems. As for the uses, there will be admin user, manager user, customer user and estate user and it is as follow chapter.

3 Permission and Role

User Roles and Profile	Description
Administrator	This is the most authoritative user to all roles that are within management where they can control and manage all the users and system.
Manager	This is the user who have an authority to approve the new estate seller renter. This user can control and manage overall website data such as: ▪ Manage website data: Add estate information, modify information and preview list. ▪ Control web users: approve the estate seller and renter of the data, activate and deactivate user's account.
Seller & Renter	This is the estate sellers or renter, company or business customer user that owns the business and they have the role to add new estate information within its jurisdiction from the manager or admin. These users can register their account on the website and can update the personal profile and add the Commercial Registration Certificate so the admin and manager can check it and make approval and after that, the account will be active to register estate. The available powers to this user are adding, editing and checking list of the own estates.
Customer	This is the user who browses throughout the website for buying estates will be the important user who will serve the business to the Arizona. This user has the power to register account, edit profile, and complete the enquire process: selecting estate, submitting the enquiry, selecting payment method.

❖ General Requirements:

   ➢ **Registration**: Allows user to open a new account on the website where any 3 types of users can register: customer, seller, and shipper.

   ➢ **Login**: Allows the registered user to access and surf the website with further privileges by user type.

   ➢ **Logout**: Allows the registered user to log out from the website.

❖ Admin Requirements:

   ➢ Have the **most** authoritative controls and modifications of the users and website system.

❖ Manager Requirements:

   ➢ **Approve user**: Allows this user to give approval to the seller and renter users.

   ➢ **Approve estate**: Allows this user to give approval for the new estate before they are displayed on the webpages to offer to the customers.

   ➢ **Monthly Reports**: Allows this user to get the sales or business report monthly from the website.

❖ Customer Requirements:

   ➢ **Search estate**: Allows this user to look for favored estate on the website.

   ➢ **Enquiry**: When this user finished the browsing process, it allows the registered customer to send enquire to the manager.

   ➢ **Choose Payment**: During the checkout, this user must select their payment method to complete the process.

❖ Seller or Renter Requirements:

   ➢ **Add estate**: Allows this user to register the new estate on the website from the admin and manger's acceptance.

> ➢ **View enquiries**: Allows this user to follow up and verify the customer requested enquiries.

4 Problem Statement

As for the fact that due to COVID-19, many people are staying at home and mostly using internet every day. It is no grantee that this pandemic will last sooner year so many other companies are even producing their own future protective masks like Apple mask and Samsung mask. This means to many companies that changing from the manual system to online system is a must in order to promote their business success.

To real estate business which have nearly 100% face-to-face interaction throughout the purchase process. By producing this system, this will not only provide the business to reduce the time consumption like transportation but also gain the reputation from the online customer who will not hesitate to browse the website freely and anytime.

5 Marketing Plan

How this business will gain benefits and profit to the users? The first main thing will be 80-20 rule, where the estate agent in the business will just have to input 20% works and the website will automatically work 80% for the output. As technology is at advancing, not only reputation can be obtained from online customer throughout the world who mostly uses the internet and surf website but also the customer demands from the online enquires. This will increase the yearly profit for the real estate company, gaining 15%~30% commission from each sold estate, which starting to growth rapidly.

6 Entity Relationship Diagram

tbl_states

PK	State_id : varchar(50)
	State_name : varchar(255)
FK	Township_id : varchar(50)
	created_at : timestamp
	deleted_at : timestamp

tbl_townships

PK	Township_id : varchar(50)
	Township_name : varchar(255)
	created_at : timestamp
	deleted_at : timestamp

tbl_property_types

PK	Property_type_id: varchar(50)
	Property_type_name: varchar(255)
	created_at : timestamp
	deleted_at : timestamp

tbl_properties

PK	Property_id : varchar(50)
	Property_image : text
	Property_name : varchar(255)
	Property_price : decimal(19,2)
	Property_address: text
	Property_description : text
	Sqft : int(11)
	Total_floor: int(11)
	Total_room: int(11)
	Master_bedroom: int(11)
	Bathroom: int(11)
	Floor_number: int(11)
	Status_approve : boolean
	Status_changed_by : varchar(50)
FK	Property_type_id: varchar(50)
FK	State_id : varchar(50)
FK	Seller_id : varchar(50)
	created_at : timestamp
	deleted_at : timestamp

tbl_property_features

PK	Property_feature_id : varchar(50)
	Property_feature_name : varchar(255)
	Property_feature_description : text
	Property_feature_additional_price : decimal(19,2)
FK	Property_id : varchar(50)
	created_at : timestamp
	deleted_at : timestamp

tbl_enquiries

PK	Equiry_id : varchar(50)
	Equiry_date : date
	Equiry_name: varchar(255)
	Equiry_phone_number: varchar(15)
	Equiry_email: varchar(255)
	Notes : text
FK	User_id : varchar(50)
FK	Property_id : varchar(50)
	Status_changed_by : varchar(50)
	created_at : timestamp
	deleted_at : timestamp

tbl_users

PK	User_id : varchar(50)
	Role : varchar(50)
	Photo : text
	Fullname : varchar(255)
	Username : varchar(255)
	Email : varchar(255)
	Password : text
	Dob : date
	Phone_number : varchar(15)
	Address : text
	User_approval : boolean
	CR_detail : text
	Company : varchar(255)
	isEmailConfirmed : boolean
	token : text
	Status_changed_by : varchar(50)
	created_at : timestamp
	deleted_at : timestamp

7 Database Structure

tbl_townships		This entity is used to save township name such as: Bota taung, Tamwe and more.						
Attribute Name		**Description**	**Type**	**Size**	**PK**	**FK**	**Null**	**Unique?**
1	Township_id		varchar	50	✔			
2	Township_name		varchar	255				
3	created_at		timestamp					
4	updated_at		timestamp					

tbl_states		This entity is used to save states name such as: Shan, Yangon and more.						
Attribute Name		**Description**	**Type**	**Size**	**PK**	**FK**	**Null**	**Unique?**
1	State_id		varchar	50	✔			
2	State_name		text					
3	Township_id		varchar	50		✔		
4	created_at		timestamp					
5	updated_at		timestamp					

tbl_properties		This entity is used to save real estate properties information.						
Attribute Name		**Description**	**Type**	**Size**	**PK**	**FK**	**Null**	**Unique?**
1	Property_id		varchar	50	✔			
2	Property_image		text					
3	Property_name		varchar	255				
4	Property_price		decimal	(19,2)				
5	Property_address		text					
6	Property_description		text					
7	Sqft		int	11				
8	Total_floor		int	11			✔	

9	Total_room		int	11				
10	Master_bedroom		int	11				
11	Bathroom		int	11				
12	Floor_number		int	11			✔	
13	Status_approve	Done by admin or manager	boolean					
14	Status_changed_by	Get admin or manager id	varchar	255				
15	Property_type_id		varchar	50		✔		
16	State_id		varchar	50		✔		
17	Seller_id	User_id of Seller role	varchar	50		✔		
18	created_at		timestamp					
19	updated_at		timestamp					

tbl_property_types	This entity is used to save property type such as resident, condominium and more.							
Attribute Name	**Description**	**Type**	**Size**	**PK**	**FK**	**Null**	**Unique?**	
1	Property_type_id		varchar	50	✔			
2	Property_type_name		varchar	255				
3	created_at		timestamp					
4	updated_at		timestamp					

tbl_property_features	This entity is used to save property feature such as elevator (cost), gate keeper (cost) and more.							
Attribute Name	**Descriptio**	**Type**	**Size**	**PK**	**FK**	**Null**	**Unique?**	
1	Property_feature_id		varchar	50	✔			
2	Property_feature_name		varchar	255				

3	Property_feature_description		text					
4	Property_feature_additional_ price		decimal	(19,2)				
5	Property_id		varchar	50		✔		
6	created_at		timestamp					
7	updated_at		timestamp					

tbl_users	This entity is used to save users information.							
Attribute Name	**Description**	**Type**	**Size**	**PK**	**FK**	**Null**	**Unique?**	
User_id		varchar	50	✔				
Role		varchar	50					
Photo		text						
Fullname		varchar	255					
Username		varchar	255					
Email		varchar	255				✔	
Password		text						
Dob	Date of Birth	date						
Phone_number		varchar	15					
Address		text						
User_approval		boolean						
CR_detail	Commercial Certificate	text						
Company		varchar	255					
isEmailConfirmed		boolean						
token	For email registration token	text						
Status_changed_by	Get admin or manager id	varchar	255					

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created_at		timestamp					
updated_at		timestamp					

tbl_enquiries		This entity is used to save enquiries from the customer.					
Attribute Name		**Description**	**Type**	**Size**	**PK**	**FK**	**Null**	**Unique?**
1	Equiry_id		varchar	50	✔			
2	Equiry_date		date					
3	Equiry_name		varchar	50				
4	Equiry_phone_number		varchar	15				
5	Equiry_email		varchar	255				
6	Notes		text					
7	User_id		varchar	50		✔		
8	Property_id		varchar	50		✔		
9	Status_changed_by	Get admin or manager id	varchar	50				
10	created_at		timestamp					
11	updated_at		timestamp					

8 Function List

Arizona Real Estate					
		Function	**Role**	**Date**	**Check**
Backend	1	Create users (Registration Form Except Manager)			
		Edit users (User Profile Form)			
		Users list			
		Approve users			
	2	CRUD states			
	3	CRUD township			
	4	CRUD estate's property type			
	5	Insert estate's property information (seller or renter)			
	6	Insert estate's property feature			

Arizona Real Estate					
		Function	**Role**	**Date**	**Check**
Frontend	1	Login / Logout			
		Display estate's properties list			
		Send enquiry			
		Approve users			