



FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

# Home Decor

## eProject Report Semester 2

<b>Supervisor</b>	Ngo Phuoc Nguyen	
<b>Batch</b>	T1.1910.M3	
<b>Group</b>	3	
<b>Serial No.</b>	<b>Student Name</b>	<b>Enrollment Number</b>
1.	Lê Hoàng Anh Tú	Student1225638
2.	Ngô Trung Kiên	Student1228772
3.	Trần Hữu Phước	Student1225619

August – 2020

**This is to certify that**

**Mr./Ms.:**

LÊ HOÀNG ANH TÚ

NGÔ TRUNG KIÊN

Trần Hữu Phước

**Has successful design & developed: eProject:**

HomeDecor

**Submitted by:** Lê Hoàng Anh Tú

**Date of issue:** August – 2020

**Authorized Signature:**

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## ACKNOWLEDGEMENT

Our group would like to devote this chapter to express our deepest appreciation to all those who offered us valuable assistance during in carrying out this eProject.

First and foremost, we owe a debt of gratitude to our dedicated instructor, Mr. Ngo Phuoc Nguyen, whose suggestions and encouragement helped us to overcome not only technological challenges but also psychological tension. Without him, our work could not have been completed successfully.

Secondly, we highly appreciate the eProject Team at the Head Office which has provided us a golden opportunity to apply what we learned into practice. We are certain that the experiences we gained from this project will facilitate our future career greatly. Besides, we would also like to express my gratitude to all the staff members of my center for not only providing me with the opportunity to work with them on this project, but also for their support and encouragement throughout the process.

Finally, we wish to say a personal thank you to all our dear classmates and team members who are always willing to support us openly and enthusiastically.

# REVIEW 1

## INTRODUCTION

*During the period of information technology and computer development people can search and find anything at home via internet connection and use online services. Therefore, we are developing a service “Changing your house” named Home Decor VN.*

*Home Decor is a website for people wants to changing their house, and buying product online when they busy.*

### **For customers:**

- Provide an interactive GUI, on the World Wide Web for the user.
- User can login or sign up with Gmail.

### **For Admin:**

- Admin can edit, add more user
- Admin can add more products
- Admin can view information user, products

## PROBLEM DEFINITION

After reading the project specifications of Home Décor , our group has discussed about what should to be done to fulfil their requirements properly. We came to conclusion that in order to achieve the best result, we should deal with following queries:

The application should perform the following functions:

### **Login:**

- There are 2 types of account in the application (“admin” and “user”). Administrator will login as “admin” and Customer will login as “user”.
- Two accounts must be registered and login for using the functionality of the application.
- For “admin”: can view the customer id name, add new/modify.
- For “user”: can register new account, or login with gmail.

### **Buying products:**

- When user choose a decor and a window will appear for them to order the product of their choice.

### **Database**

- The information about products, price will be stored in the database, and users can view on the Web.

### **Security:**

- The user password will be encrypted and stored in the database

## SCOPE OF WORK

The application should perform the following functions:

### **Login:**

- There are 2 types of account in the application (“admin” and “user”). Administrator will login as “admin” and Customer will login as “user”.
- Two accounts must be registered and login for using the functionality of the application.
- For “admin”: can view the customer id name, add new/modify.
- For “user”: can change the profile, change their password, register new account.

### **Review Song:**

- When user view a song, they can review that song in the box below the song’s information.

### **Database**

- The information about songs, singers, musicians, categories, ... will be stored in the database, and users can view on the Web.

### **Security:**

- The user password will be encrypted and stored in the database.

## SYSTEM REQUIREMENT SPECIFICATION

### **Hardware**

#### **Web Server**

Processor	Intel Core i5 or higher.
Memory	4 GB RAM or greater.
Modem/ADSL	Connecting to internet 24/24

Client

Processor	Intel Core i3 or higher.
Memory	2 GB RAM or greater.
Monitor	Super VGA (1024x768) or higher resolution
Modem/ADSL	Connecting to internet

Software:

Web Server

Operation System	Windows 7 or higher
Browser	Chrome version 35 or Microsoft Edge.
Database	MySQL
Software	XAMPP
	Laravel
	Visual Studio Code

Client

Operation System	Windows 7 or higher
Browser	Chrome version 35 or Microsoft Edge.

## **2.1 Development software**

- Microsoft Windows 10
- XAMPP
- Visual Studio Code
- Laravel
- Git/ Github
- Mac OS

## **2.2 Technology**

- PHP
- Laravel
- Voyager
- Carbon
- Json
- nodeJS
- HTML, CSS and Javascript

## TASK SHEET REVIEW 1

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr.No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Introduction and Problem Definition	Home Decor	Le Hoang Anh Tu	01/08/2020	1	- Lê Hoàng Anh Tú	100%
2	Customer Requirement Specification (CRS)			01/08/2020	1	- Ngô Trung Kiên	100%
3	Functional Requirement			01/08/2020	1	- Trần Hữu Phuớc	100%
4	System Requirement Specification						

# REVIEW 2

## TABLE DESIGN

### I. Table Users:

#	Tên	Kiểu	Bảng mã đối chiếu	Thuộc tính	Null	Mặc định	Ghi chú	Thêm	Hành động
1	<b>id</b>	bigint(20)		UNSIGNED	Không	Không		AUTO_INCREMENT	Thay đổi  Xóa  Thêm
2	<b>role_id</b>	bigint(20)		UNSIGNED	Có	NULL			Thay đổi  Xóa  Thêm
3	<b>name</b>	varchar(191)	utf8mb4_unicode_ci		Không	Không			Thay đổi  Xóa  Thêm
4	<b>email</b>	varchar(191)	utf8mb4_unicode_ci		Không	Không			Thay đổi  Xóa  Thêm
5	<b>password</b>	varchar(191)	utf8mb4_unicode_ci		Có	NULL			Thay đổi  Xóa  Thêm
6	<b>avatar</b>	varchar(191)	utf8mb4_unicode_ci		Có	NULL			Thay đổi  Xóa  Thêm
7	<b>avatar_original</b>	varchar(191)	utf8mb4_unicode_ci		Có	NULL			Thay đổi  Xóa  Thêm
8	<b>google_id</b>	varchar(191)	utf8mb4_unicode_ci		Không	Không			Thay đổi  Xóa  Thêm
9	<b>email_verified_at</b>	timestamp			Có	NULL			Thay đổi  Xóa  Thêm
10	<b>remember_token</b>	varchar(100)	utf8mb4_unicode_ci		Có	NULL			Thay đổi  Xóa  Thêm
11	<b>settings</b>	text	utf8mb4_unicode_ci		Có	NULL			Thay đổi  Xóa  Thêm
12	<b>created_at</b>	timestamp			Có	NULL			Thay đổi  Xóa  Thêm
13	<b>updated_at</b>	timestamp			Có	NULL			Thay đổi  Xóa  Thêm

### II. Table Roles:

#	Tên	Kiểu	Bảng mã đối chiếu	Thuộc tính	Null	Mặc định	Ghi chú	Thêm	Hành động
1	<b>id</b>	bigint(20)		UNSIGNED	Không	Không		AUTO_INCREMENT	Thay đổi  Xóa  Thêm
2	<b>name</b>	varchar(191)	utf8mb4_unicode_ci		Không	Không			Thay đổi  Xóa  Thêm
3	<b>display_name</b>	varchar(191)	utf8mb4_unicode_ci		Không	Không			Thay đổi  Xóa  Thêm
4	<b>created_at</b>	timestamp			Có	NULL			Thay đổi  Xóa  Thêm
5	<b>updated_at</b>	timestamp			Có	NULL			Thay đổi  Xóa  Thêm

### III. Table Products:

#	Tên	Kiểu	Bảng mã đối chiếu	Thuộc tính	Null	Mặc định	Ghi chú	Thêm	Hành động
<input type="checkbox"/>	1 <b>id</b> 	bigint(20)		UNSIGNED	Không	Không		AUTO_INCREMENT	 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	2 <b>category_id</b>	bigint(20)			Không	Không			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	3 <b>title</b>	text	utf8mb4_unicode_ci		Không	Không			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	4 <b>price</b>	bigint(20)			Không	Không			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	5 <b>image</b>	varchar(255)	utf8mb4_unicode_ci		Không	Không			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	6 <b>created_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	7 <b>updated_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	8 <b>image1</b>	varchar(255)	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	9 <b>image2</b>	varchar(255)	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	10 <b>image3</b>	varchar(255)	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	11 <b>image4</b>	varchar(255)	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	12 <b>content</b>	text	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm

### IV. Table Categories:

#	Tên	Kiểu	Bảng mã đối chiếu	Thuộc tính	Null	Mặc định	Ghi chú	Thêm	Hành động
<input type="checkbox"/>	1 <b>id</b>	bigint(20)			Không	Không			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	2 <b>category_name</b>	varchar(191)	utf8mb4_unicode_ci			Không	Không		 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	3 <b>created_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	4 <b>updated_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	5 <b>image</b>	varchar(255)	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm

V. Table News:

#	Tên	Kiểu	Bảng mã đối chiếu	Thuộc tính	Null	Mặc định	Ghi chú	Thêm	Hành động
<input type="checkbox"/>	1 <b>id</b> 	int(10)		UNSIGNED	Không	Không		AUTO_INCREMENT	 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	2 <b>image</b>	varchar(255)	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	3 <b>title</b>	text	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	4 <b>content</b>	text	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	5 <b>description</b>	text	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	6 <b>created_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	7 <b>updated_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	8 <b>date</b>	date			Có	NULL			 Thay đổi  Xóa  Thêm

VI. Table Brands:

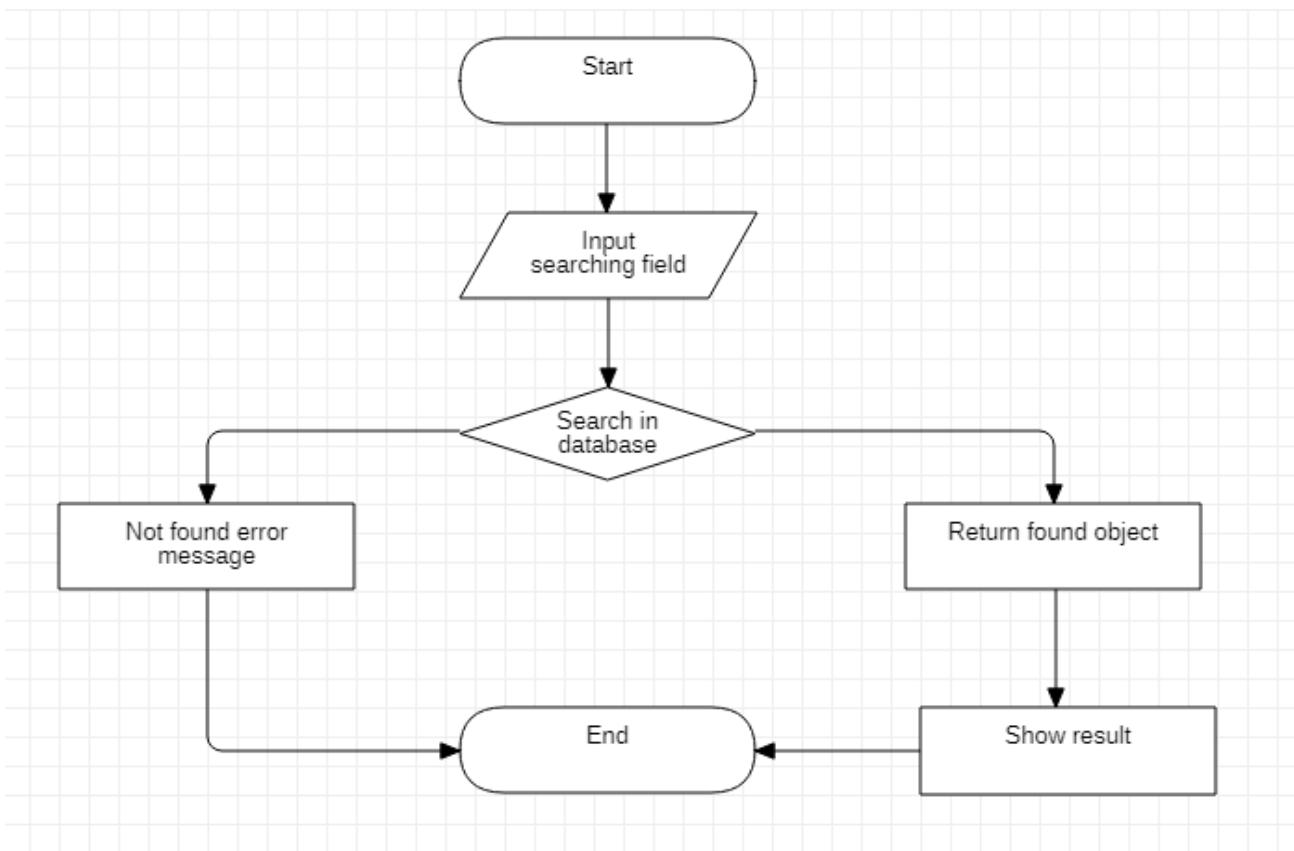
#	Tên	Kiểu	Bảng mã đối chiếu	Thuộc tính	Null	Mặc định	Ghi chú	Thêm	Hành động
<input type="checkbox"/>	1 <b>id</b> 	int(10)		UNSIGNED	Không	Không		AUTO_INCREMENT	 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	2 <b>image1</b>	varchar(255)	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	3 <b>image2</b>	varchar(255)	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	4 <b>created_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	5 <b>updated_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	6 <b>image3</b>	varchar(255)	utf8mb4_unicode_ci		Có	NULL			 Thay đổi  Xóa  Thêm

VII. Table Comments:

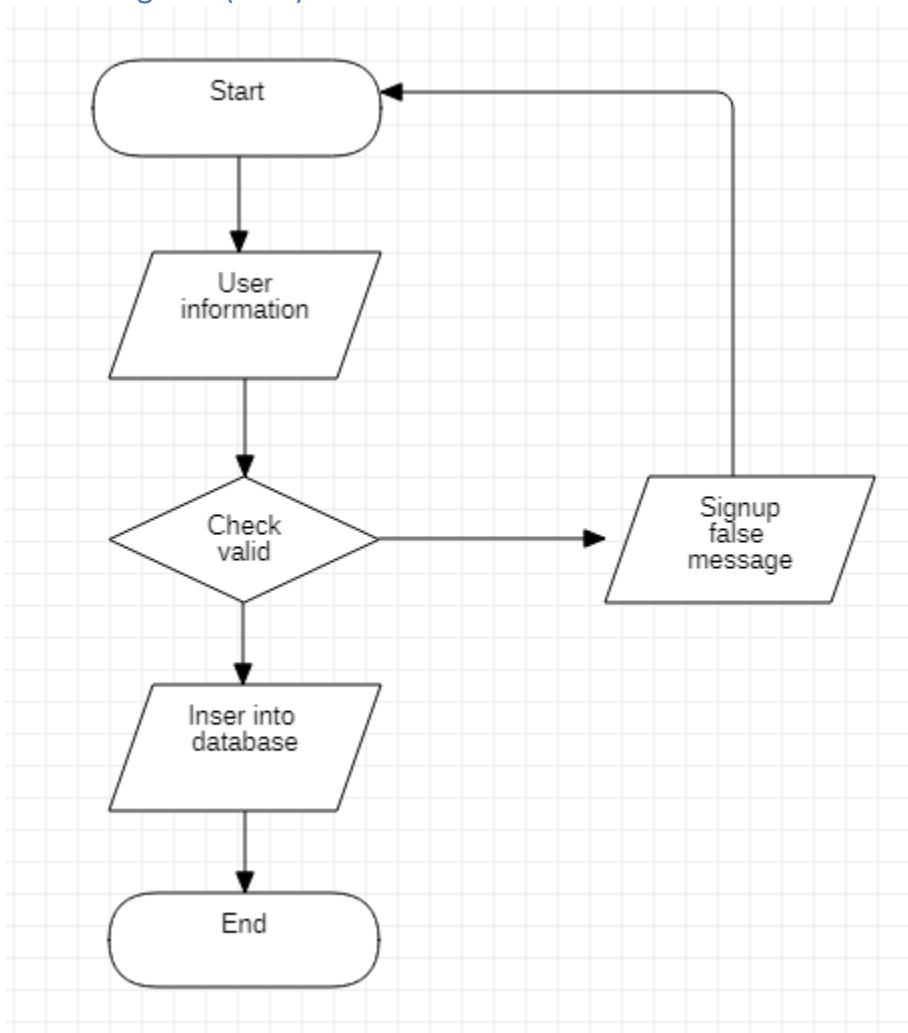
#	Tên	Kiểu	Bảng mã đối chiếu	Thuộc tính	Null	Mặc định	Ghi chú	Thêm	Hành động
<input type="checkbox"/>	1 <b>id</b> 	int(10)		UNSIGNED	Không	Không		AUTO_INCREMENT	 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	2 <b>user_id</b>	int(10)		UNSIGNED	Không	Không			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	3 <b>post_id</b>	int(10)		UNSIGNED	Không	Không			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	4 <b>parent_id</b>	int(10)		UNSIGNED	Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	5 <b>body</b>	text	utf8mb4_unicode_ci		Không	Không			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	6 <b>created_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	7 <b>updated_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm
<input type="checkbox"/>	8 <b>deleted_at</b>	timestamp			Có	NULL			 Thay đổi  Xóa  Thêm

## FLOWCHART DIAGRAM

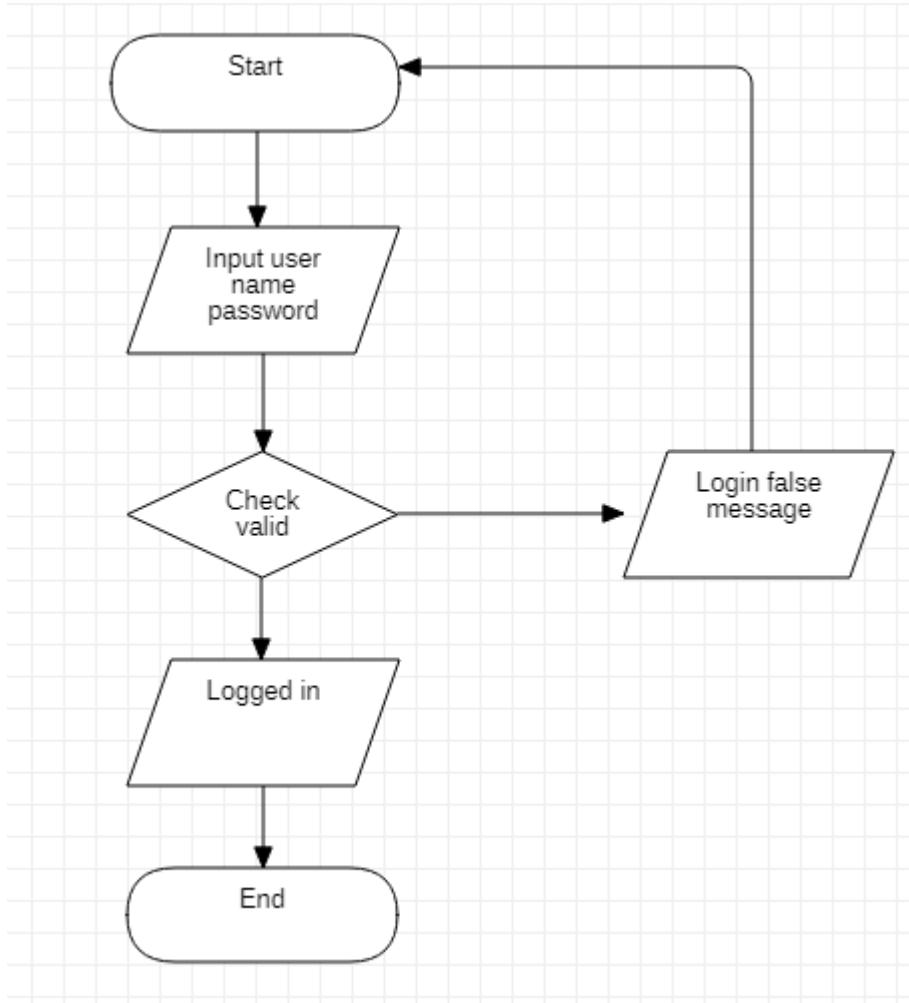
### I. Search



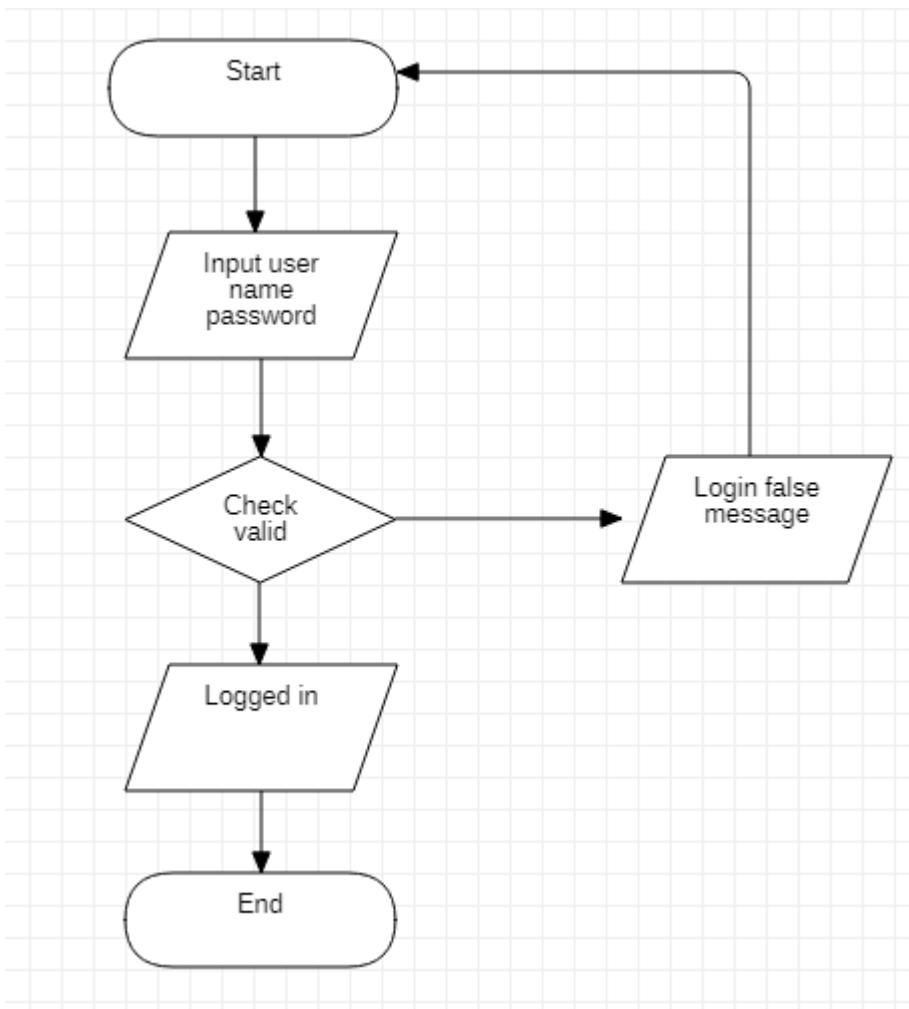
II. Register (user)



### III. Login (user)



IV. Login (admin)



## TASK SHEET REVIEW 2

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr.No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Usecase + Sequence Diagram	HomeDecor	Lê Hoàng Anh Tú	22/07/2020	1	Lê Hoàng Anh Tú	100%
2	ERD (Entity Relationship Diagram) Flowchart			22/07/2020	1	Ngô Trung Kiên	100%
3	Sitemap			22/07/2020	1	Trần Hữu Phước	20%

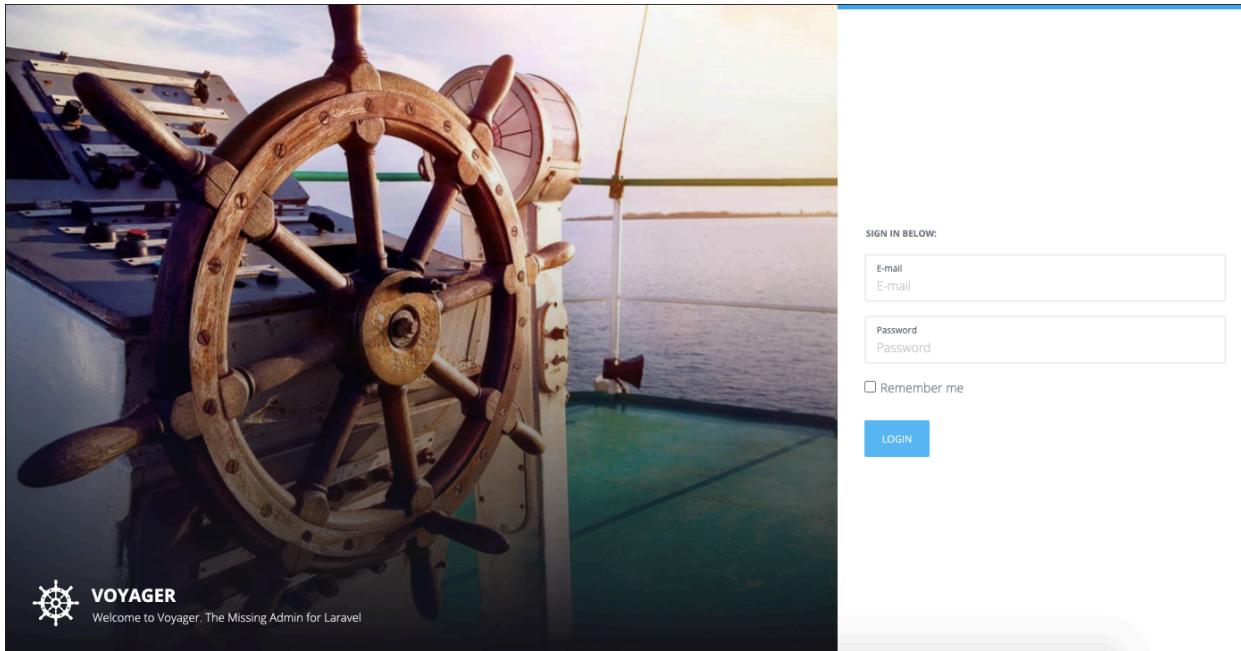
Date: 13/08/2020

Signature of Instructor:        <b>MR. NGÔ PHƯỚC NGUYÊN</b>	Signature of Team Leader:        <b>LÊ HOÀNG ANH TÚ</b>
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# REVIEW 3

I. Admin:

1. Login:



## 2. Role:

The screenshot shows the 'Roles' management page. At the top, there are navigation links for 'Dashboard' and 'Roles'. Below the header, there are buttons for 'Add New' (green) and 'Bulk Delete' (red). A sidebar on the left contains icons for Home, User, Lock, Image, and Settings.

	Name	Display Name	Actions
<input type="checkbox"/>	admin	Administrator	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	user	Normal User	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>

Below the table, it says 'Showing 1 to 2 of 2 entries'. At the bottom right, there are navigation buttons: '< Previous', '1' (highlighted in blue), and 'Next >'.

### 3. User:

The screenshot shows the 'Users' page of the eProject HomeDecor application. On the left is a vertical sidebar with icons for gear, user, lock, camera, and wrench. The main area has a header with 'Dashboard > Users' and a user profile icon. Below is a table with columns: Name, Email, Created At, Avatar, Role, Roles, and Actions. The table contains three entries:

	Name	Email	Created At	Avatar	Role	Roles	Actions
<input type="checkbox"/>	Trung Kiên Nguyễn	ngotrungkien4798@gmail.com	2020-09-03 01:39:24		Normal User	No results	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	Lê Hoàng Anh Tùng	lehoanganhtufire@gmail.com	2020-08-31 20:08:20		Normal User	No results	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
<input type="checkbox"/>	admin	admin@admin.com	2020-08-31 19:39:30		Administrator	No results	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>

4. User (Add new):

The screenshot shows the 'Add User' form within a web-based application interface. On the left, a vertical sidebar contains icons for Home, Dashboard, Users, Create, Settings, and Help. The main header bar includes a user profile icon, a gear icon, and navigation links for Dashboard > Users > Create. The title 'Add User' is centered above the form fields. The form itself consists of several input fields: 'Name' (empty), 'E-mail' (empty), 'Password' (empty), 'Default Role' (set to 'None'), 'Additional Roles' (empty), and 'Locale' (set to 'en'). To the right of these fields is a preview area showing a circular user icon of a man with a beard and a captain's hat, and a file upload field labeled 'Choose File' with the message 'No file chosen'.

## 5. Categories:

	ID	Category Name	Created At	Image	Actions
<input type="checkbox"/>	9	clocks	2020-09-06 10:52:00	CLOCKS	<button>View</button> <button>Edit</button> <button>Delete</button>
<input type="checkbox"/>	7	Curtains	2020-09-06 10:51:00	CURTAINS	<button>View</button> <button>Edit</button> <button>Delete</button>
<input type="checkbox"/>	1	Lighting		LIGHTING	<button>View</button> <button>Edit</button> <button>Delete</button>
<input type="checkbox"/>	2	Fragrances		FRAGRANCES	<button>View</button> <button>Edit</button> <button>Delete</button>

## 6. Products

The screenshot shows a web-based application for managing products. On the left is a vertical sidebar with icons for dashboard, products, categories, users, reports, and settings. The main area has a header with 'Dashboard > Products' and a user profile icon. Below the header is a toolbar with 'Products' (selected), 'Add New' (green button), and 'Bulk Delete' (red button). A search bar and a dropdown for 'Show 10 entries' are also present.

	Category	ID	Title	Price	Image	Created At	Image1	Image2	Image3	Image4	Content	Actions
<input type="checkbox"/>		9	Hippih Black Wall Clock Silent	29		2020-09-06 07:50:17					NOTE : Ensure the Clock Can Be Used for a Longer Time, Please Use Carbon Battery. Don't Use Alkaline Battery Which Will Damage the Clock Movement Easily. Concise style - Clear to read, Special and e ...	<input type="button" value="Delete"/> <input type="button" value="Edit"/> <input type="button" value="View"/>
<input type="checkbox"/>		9	DreamSky 8.9 Inches Large	30		2020-09-06 07:49:02					Large Display with Smart Dimmer: Streamline design and clear large bold number display. 3&rdquo; Jumbo illuminated LED	<input type="button" value="Delete"/> <input type="button" value="Edit"/> <input type="button" value="View"/>

7. Products (view):

The screenshot shows a web-based application interface for managing products. On the left is a vertical sidebar with icons for gear, user, and other system functions. The main header bar includes a profile icon, a search bar with placeholder text 'Dashboard > Products > 67', and a user dropdown. The main content area is titled 'Viewing Product' and displays the following details:

- Category Id:** 9
- Title:** Hippih Black Wall Clock Silent
- Price:** 29
- Image:** A large thumbnail image of a black wall clock with a white face and black numbers, showing the number 12.

At the top of the content area are three buttons: 'Edit' (blue), 'Delete' (red), and 'Return to List' (orange).

8. Products (edit):

The screenshot shows a product editing interface. On the left is a vertical sidebar with icons for Home, Dashboard, Products, Categories, Customers, Orders, and Reports. The main area has a header 'Edit Product' with a user profile icon. The navigation bar at the top includes 'Dashboard > Products > 67 > Edit'. The form fields are:

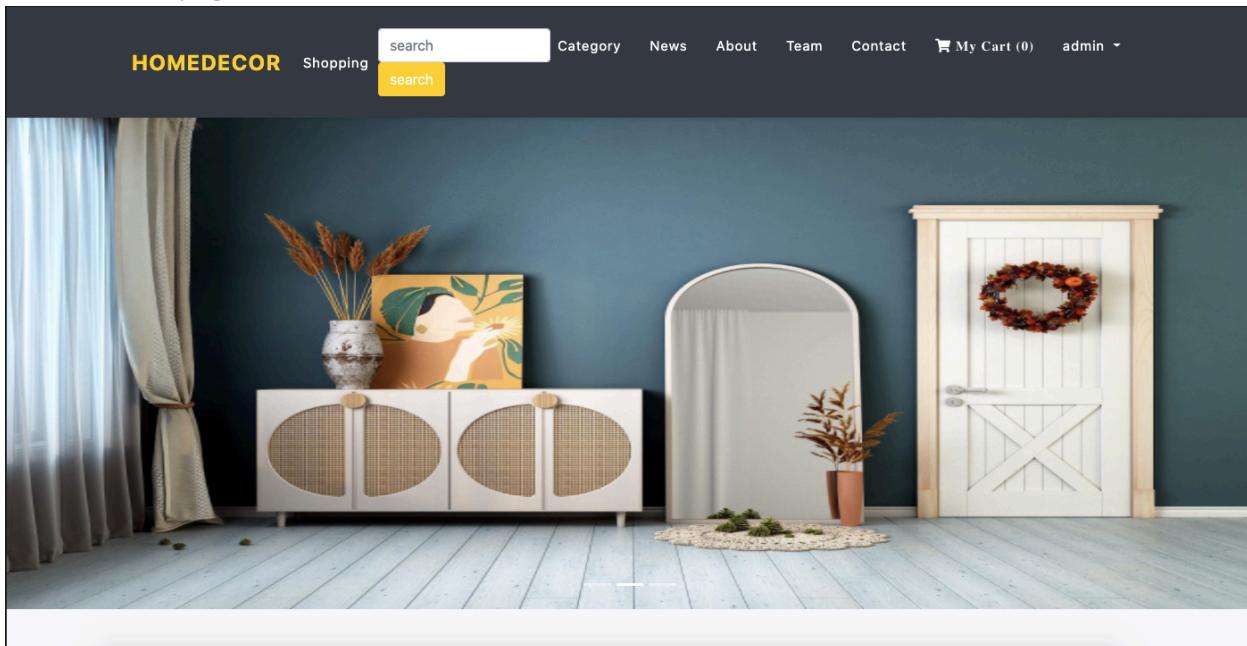
- Category Id: 9
- Title: Hippih Black Wall Clock Silent
- Price: 29
- Image: A thumbnail of a black wall clock with a white face and black hands. Below it is a file input field labeled 'Choose File' with 'No file chosen'.
- Created At: 09/06/2020 7:50 AM

eProject HomeDecor by Group 3 – T1.1910.M3

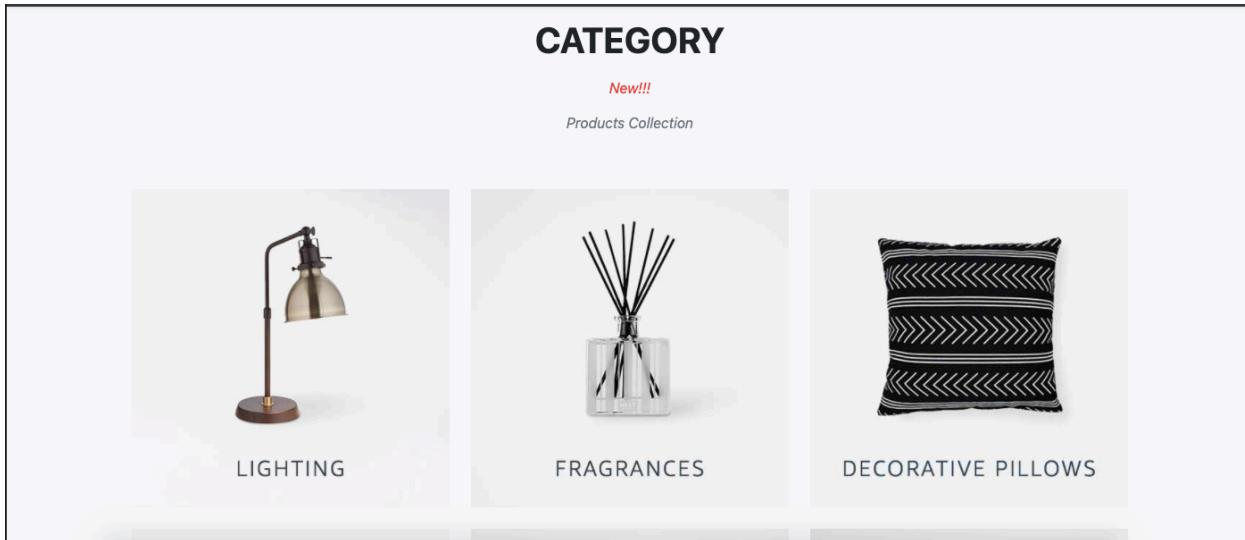
## 9. News :

II. User:

1. Homepage:



2. Category:



3. News:

**News**



**15 Tips for Moving into Your First House**

Time: 2020-08-21

The apartment life—we know it well. Weekends by the pool. Your neighbors two buildings over who throw the best parties (no Uber necessary). Broken faucet? Let the landlord handle it.



**Free Up Counter Space with These Small Kitchen Organization Ideas**

Time: 2020-08-28

We hope you like the products we recommend. Just so you are aware, Freshome may collect a share of sales from the links on this page.

4. About:

## ABOUT

*Lets see how we work!*

**2020-2020**

### **Our Website Beginnings**

Hello and welcome to HomeDecor, the place to find the best Decor for every taste and occasion. We thoroughly check the quality of our goods, working only with reliable suppliers so that you only receive the best quality product.



**13 August 2020**

**We decided our job**



W E B S I T E      D E V E L O P M E N T      P R O J E C T

5. Team:

## OUR AMAZING TEAM

*Lets meet us*



**Lê Hoàng Anh Tú**  
Developer

[f](#)



**Ngô Trung Kiên**  
Developer

[f](#)



**Trần Hữu Phước**  
Marketer

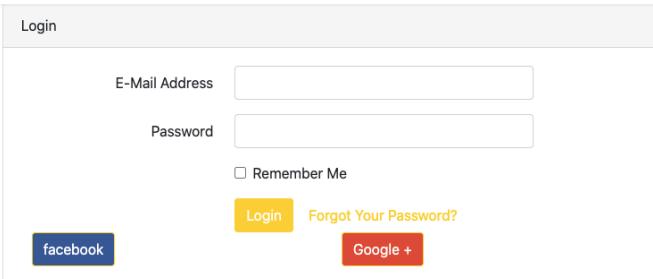
[f](#)

6. My-cart:

Không có sản phẩm trong giỏ hàng của bạn

[ĐẾN TRANG CHỦ HOME DECOR](#)

7. Login (user):



The image shows a login form titled "Login". It contains fields for "E-Mail Address" and "Password", both with placeholder text. There is a "Remember Me" checkbox and links for "Forgot Your Password?" and social media logins ("facebook" and "Google +").

E-Mail Address

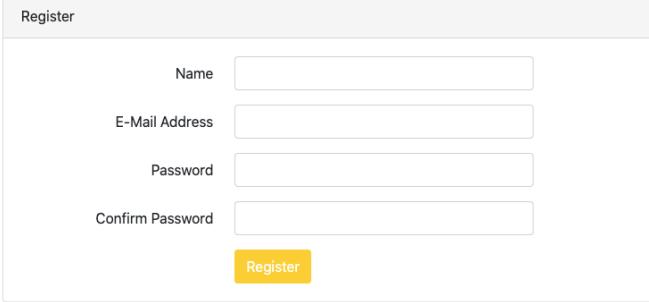
Password

Remember Me

[Forgot Your Password?](#)

[facebook](#) [Google +](#)

8. Register (user):



The image shows a registration form titled "Register". It contains four input fields: "Name", "E-Mail Address", "Password", and "Confirm Password". Below these fields is a yellow "Register" button.

Register	
Name	<input type="text"/>
E-Mail Address	<input type="text"/>
Password	<input type="password"/>
Confirm Password	<input type="password"/>
<input type="button" value="Register"/>	

## TASK SHEET REVIEW 3

Project Ref.No Project Name:Plant Store Date of Preparation of Activity Plan

No	Description	Team Member
----	-------------	-------------

- |     |                 |  |
|-----|-----------------|--|
| 1   | Admin-Template  |  |
| 2   | Admin-Category  |  |
| 3   | Admin-Product   |  |
| 4   | Admin-Roles     |  |
| 5   | Admin-Users     |  |
| 6   | Admin-Settings  |  |
| 7   | Admin-Dashboard |  |
| 8   | Guest-Store     |  |
| 9.  | Guest-Category  |  |
| 10. | Guest-About     |  |

Le Hoang Anh Tu

Project Ref.No   Project Name:Plant Store   Date of Preparation of Activity Plan

No	Description	Team Member
9	Admin-Brands	Ngo Trung Kien
10	Admin-Banners	
11	Admin-Comments	
12	Report-Overview Report	
13	Guest-News	
14	Guest-Homepage	
15	Video Introduction	

Tran Huu Phuoc