

A PROJECT REPORT ON

REAL – ESTATE

THE REPORT SUBMITTED TO

GRACE COLLEGE - RAJKOT



SAURASHTRA UNIVERSITY

Submitted In Partial Fulfilment of the Requirement

For the Award of the Degree

Academic Year 2025-2026

Msc.IT & CA

[Semester – 2st]

PREPARED BY

MADHAV PATADIYA

ENROLLMENT NO: 24CS032PG00194

SUNIL SOLANKI

ENROLLMENT NO: 24CS032PG00203

GUIDED BY

MR. SANJAY TILAVAT

PREFACE

- There is a wide difference between theoretical and practical knowledge and to understand that difference for the use of knowledge. Project Report is new and interesting experience for us. We say it is difficult from particular we came to know about the theoretical ideas of the matter and its dealing. Project Report helps to build in our life.
- By preparing this report, we have understood the need of practical training in the education field. It is easier to work with computerized system than the manual system. It saves time, effort and space and increases the efficiency by creating interest.
- The concerned people who were connected with our project were very keen in their work and provided us with all the useful information. The response from them was very positive and they were very informal to us. This project is part of our fifth Semester of BCA Course Curriculum. We hereby declare that it is our own work with guidance of the faculty members of our colleges.

Acknowledgement

- In successfully completing of this project, many websites, blogs, posts, videos, discussions have helped me.¹ I would like to thank all these, I have also upvoted these blogs, videos whenever it was possible.
- Every single problem in this project gave me a challenge, and I like challenges, it gave me huge confidence boost whenever I solved any challenging problem.
- This project doesn't just show how much I know it also shows how much I don't know. So, I'm looking forward to learn new things every day.
- Now let's come to the college “**Kalavad Road, Opp. Rangoli Park, Rajkot.**”, while admin department was a pain to work with, where I had some uneasy experiences, our department's professors were easy on us, gave us lot of freedom. It was an experience in its own, and I thank all the faculty.²
- For upcoming days and new things, I'm ready, one day at a time, finally thanks to all the people and things that helped me directly or indirectly.

Index

ACKNOWLEDGEMENT.....	I
INDEX	II
1. INTRODUCTION PROFILE	1
1.1 PROJECT PROFILE.....	1
OBJECTIVE OF PROJECT	2
1.2 USER	2
1.3 ADMIN	2
1.4 ROOT.....	2
1.5 HARDWARE REQUIREMENTS	3
1.5.1 Server	3
1.5.2 Client	3
1.6 SOFTWARE REQUIREMENTS.....	4
1.6.1 Server.....	4
1.6.2 Client	4
1.7 DEVELOPMENT ENVIRONMENT.....	5
1.7.1 Hardware	5
1.7.2 Software	5
1.7.3 Dependencies.....	6
1.8 METHODS & TECHNOLOGIES	7
1.8.1 PHP	7
1.8.2 MySQL.....	7
1.8.3 Laravel.....	7
1.8.4 Bootstrap	8
1.8.5 JQuery	8
2. SYSTEM STUDY	9
1.9 FEASIBILITY STUDY	9
1.9.1 Summary	9
1.9.2 Technological Considerations	10
1.10 REQUIREMENT SPECIFICATION	11
1.10.1 Users.....	11
1.10.2 Admin.....	12
1.10.3 Root	14
3. PROPOSED SYSTEM.....	15
1.11 SUMMARY	15
1.12 SCOPE.....	15
4. DETAIL PLANNING	16
1.13 DATA-FLOW DIAGRAMS	16
1.31.1 Context Level DFD	17

1.13.1 Admin DFDs	18
1.14 USER DFDs	19
1.15 DATABASE STRUCTURE.....	20
6. E-R DIAGRAM.....	24
1.16 ENTITY RELATION DIAGRAM.....	24
7. PROCESS	26
1.17 PROCESS SPECIFICATION	26
1.17.1 Admin/Root Flow-Charts	28
Add Property.....	28
1.17.2 User Flow-Charts.....	30
Change Password.....	30
1.18 USER.....	34
1.18.1 Home Page	34
1.18.2 Property pages	36
1.18.3 Login and signup pages.....	37
1.18.4 Other Pages.....	39
9. ADMIN LAYOUT	40
1.19 ADMIN/ROOT PAGES.....	40
1.19.1 Dashboard.....	40
1.19.2 Category	40
1.19.3 City.....	41
1.19.4 Facility.....	41
1.19.5 Property	42
1.19.6 Gallery.....	43
1.19.7 Users.....	43
9. LIMITATIONS AND FUTURE ENHANCEMENT	44
1.20 LIMITATIONS	44
1.21 FUTURE ENHANCEMENTS	44
10. REFERENCES	45

1.INTRODUCTION PROFILE

1.1 Project Profile

Title	DG-Estate
Developed For	Grace College - Rajkot
Category	Local Property listing Website
Duration	3 Months
Front-End	Blade (Laravel Framework)
Back-End	Laravel Framework (PHP) + MySQL
Guide	Mr. Sanjay Tilavat
Developed By	Madhav Patadiya Sunil Solanki
Submitted To	Saurashtra University, Rajkot

Objective of Project

1.2 User

The main User side Objectives are:

- To enable users to surf all listed properties.
- Users can surf properties without the need of creating account.
- Users can filter properties by category, city, and search by property title.
- Users can create account and manage their profile, save properties, review properties, and change their password.

1.3 Admin

The main Admin side Objectives are:

- Admin can add, and update existing category, facilities, city, and property.
- Admin can add and delete images in property gallery.
- Admin can delete user reviews.
- Admin can give other users admin access.

1.4 Root

The main Root side Objectives are:

- Root has access to all above features.
- Root is only one who can delete existing category, facility, city, property, and users.

- Root can manage website's Home, About, FAQ, Terms page in CMS.
- Root can manage website's other settings in Site Settings option.

1.5 Hardware Requirements

1.5.1 Server

Processor	3 rd Gen and above
Memory	4 GB and above
Storage	6 GB and above

1.5.2 Client

Processor	3 rd Gen and above
Memory	4 GB and above
Storage	6 GB and above

1.6 Software Requirements

1.6.1 Server

Operating System	Windows 7 or above (10 recommended), any Linux based, 64bit arch.
Server	Apache v 2.4 and above
Php	Php v 6 and above
MySQL	MySQL v 7 and above

1.6.2 Client

Operating System	Windows 7 or above (10 recommended), 64bit arch.
Browser	Any Chromium based Browsers

1.7 Development Environment

1.7.1 Hardware

Processor	Ryzen 5 3550H
Memory	8 GB
Storage	256 GB

1.7.2 Software

Windows	10/11 64bit
WAMP server	V 4.1
Chrome	V 99.0.4844.82 64bit
Git	Windows V 2.34.1
Composer	V 2.2.3
VS Code	V 1.50^
Diagrams.net/Draw.io	V 17.2.3

1.7.3 Dependencies

Laravel	V 8.x
Bootstrap	V 5.1.3
Bootstrap Examples	V 5.1
JQuery	V 3.6.0
Font Awesome	V 4 & V 5
Data Tables	V 1.11.4
Data Tables Bootstrap	V 1.11.4
Fancy Apps	V 4 Fancy Box & Carousal
CKEditor	V 4

1.8 Methods & Technologies

1.8.1 PHP

PHP is a general-purpose scripting language geared toward web development. PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code which may be any type of data, such as generated HTML or binary image data would form the whole or part of an HTTP response.

1.8.2 MySQL

MySQL is an open-source relational database management system (RDBMS). Its name is combinations of “My”, the name of co-founder Michael Widenius' daughter, and "SQL", the abbreviation for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License.

1.8.3 Laravel

Laravel is a free, open-source PHP web framework, created by “Taylor Otwell” and intended for the development of web applications following the model-view-controller (MVC) architectural pattern and based on Symfony. Some of the features of Laravel are a modular packaging system with a dedicated dependency manager, different ways for accessing relational databases, utilities that aid in application deployment and maintenance, and its orientation toward syntactic sugar.

1.8.4 Bootstrap

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains HTML, CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

1.8.5 JQuery

JQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax. It is free, open-source software using the permissive MIT License. **JQuery's** syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications.

2.SYSTEM STUDY

1.9 Feasibility Study

1.9.1 Summary

DG-Estate is property listing website where properties can only be listed by admin and root, while common users can surf through verity of properties by category, city, and search them by their title, logged in users can save properties, give reviews and manage their profile.

Real Estate website has so much potential to grow up in future, website can be upgraded into a platform where common users can also post their property for rent/sale, but these are future possibilities so we have to make this project scalable for the future.

For future scalability we can opt for Frameworks of any particular language, MVC architecture is preferable for such objectives mentioned above.

1.9.2 Technological Considerations

For these objectives described in summary we have to handle a database for that and all these handling have to be done on server side for security purpose. below are few server-side languages can be considered.

Server-Side Languages:

- Node.js (JavaScript)
- PHP
- Java
- Ruby
- Python

From above list **PHP** is great option because it can be embedded inside HTML syntax, and has many frameworks which makes many tasks easy.

PHP Frameworks:

- Laravel
- CodeIgniter
- Symfony

Above three are most popular framework of PHP and using one of these will also make changes in website later easier, because they use MVC architecture.

Laravel is huge consideration because of its eloquent modelling method which makes database queries more human readable, also its syntax is convenient once you get hang of it.

1.10 Requirement Specification

Requirements of client describe as follow:

- System should be easy to operate.
- System should provide secure and accurate data.

1.10.1 Users

Users are registered users whom have signed up in website. New Users have default type 'U'.

Login

- Registered users have to insert their own registered email and password in login form to successfully log in.
- If User's entered email is not registered show error that email is not registered.
- If User's entered password doesn't match then show invalid credentials error message.
- If credentials match add user in session.
-

Signup

- To Signup User has to provide name, email, and password with confirmation.
- If entered email already exists then show error.
- If password doesn't match with confirmation show error.
- If no errors occurs then register user.

Logout

- Check if user is logged in first.
- If user is logged in then remove user from session.

User Profile

- Login required.
- Profile includes image, bio, email options.

User Change Password

- Login required.
- User have to provide old password and new password with confirmation to change password.

1.10.2 Admin

User who is type 'A' is considered **Admin**.

Login

- Admin have to login in admin specific page to access Admi Panel.
- After entering correct username and password admin session is started.
- Admin is redirected to Admi Panel dashboard after successful login.

Logout

- Login required.
- If admin is logged in remove admin session.

Category

- Login required.
- Admin can Add/Update Categories.

City

- Login required.
- Admin can Add/Update Cities.

Facility

- Login required.
- Admin can Add/Update Facilities.

Property

- Login required.
- Admin can Add/Update Properties.

Gallery

- Login required.
- Admin can Add/Delete Images in property Gallery.

Reviews

- Login required.
- Admin can delete user's reviews.

Users

- Login required.
- Admin can give Admin access to other users.

1.10.3 Root

Root is super user of this website who has access to all the features and functionalities available on the website. All functionalities mentioned for Users and Admin is also accessible by Root. User with type 'R' is considered Root.

- In addition of above accessibilities Root has few more options to manage
- Root can Delete Category/City/Facility/Property/User.
- Root can modify Page content from CMS menu which is only accessible by type 'R' User or Root user.
- Root can change site title, logo, and contact details from Site Settings option.

3. PROPOSED SYSTEM

1.11 Summary

“DG-Estate” enables Users to surf local properties listed by Admin/Root by Category, City and search them by property title. Users can then contact individual property dealer who listed his property by the contact information they provided.

Users can save , review properties if they are logged in.

Website allows management by two levels Admin and Root. Admin and Root has most Access and Functionalities in this website, and Root has more Control than Admin.

1.12 Scope

For now, Scope of this website “DG-Estate” is Local, but it will be accessible to the global if client chooses to select global hosting.


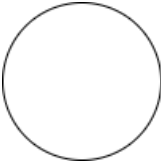


Admin Panel allows Admin and Root to manage website content. Admin Panel allows access according to the type of user that is logged in.

Website is using MVC structure which will help in future scalability if in future client thinks about adding new features.

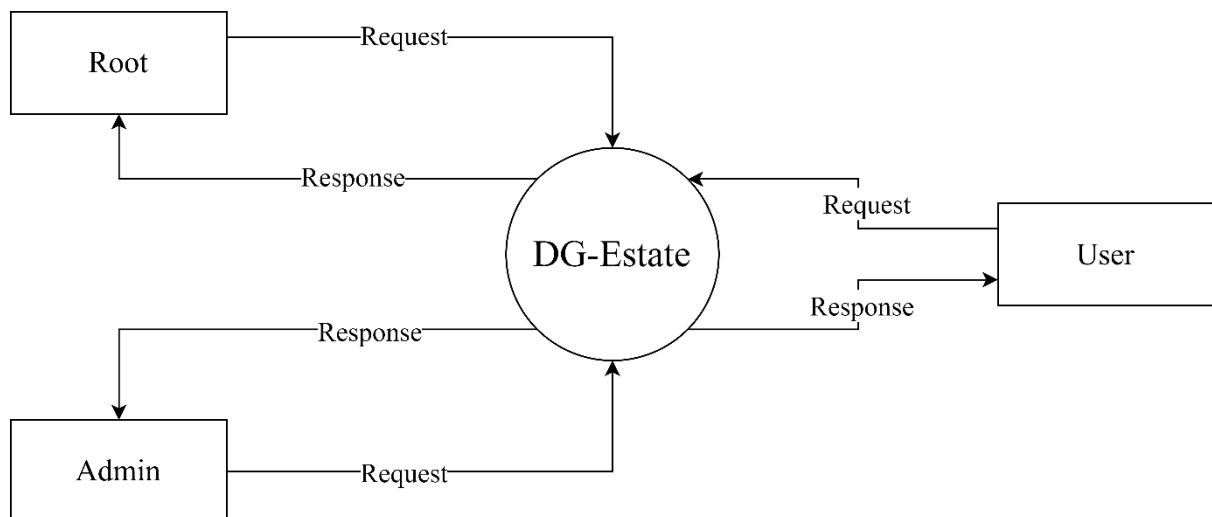
4. Detail planning

1.13 Data-Flow Diagrams

A **Data-Flow Diagram** is a way of representing a flow of data through a process or a system (usually an information system). The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow — there are no decision rules and no loops.

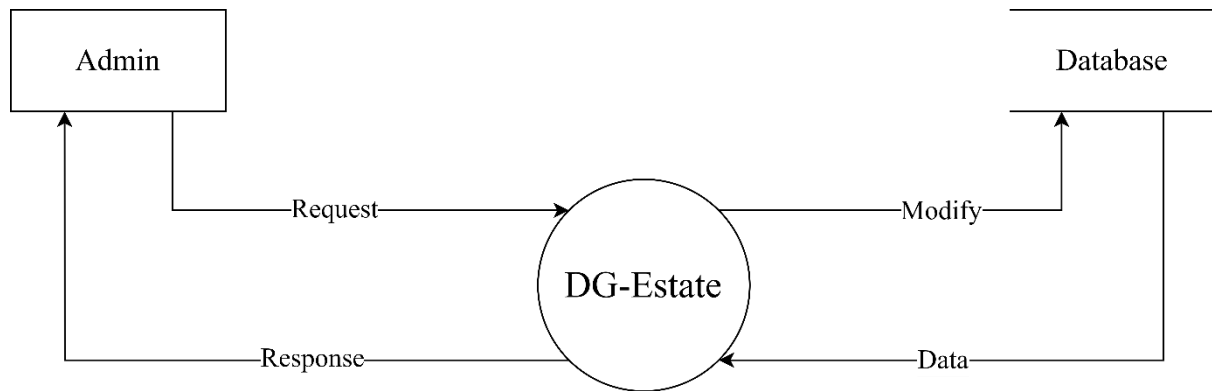
Notation	Symbol
External Entity	
Process	
Data Store	
Data Flow	

1.31.1 Context Level DFD

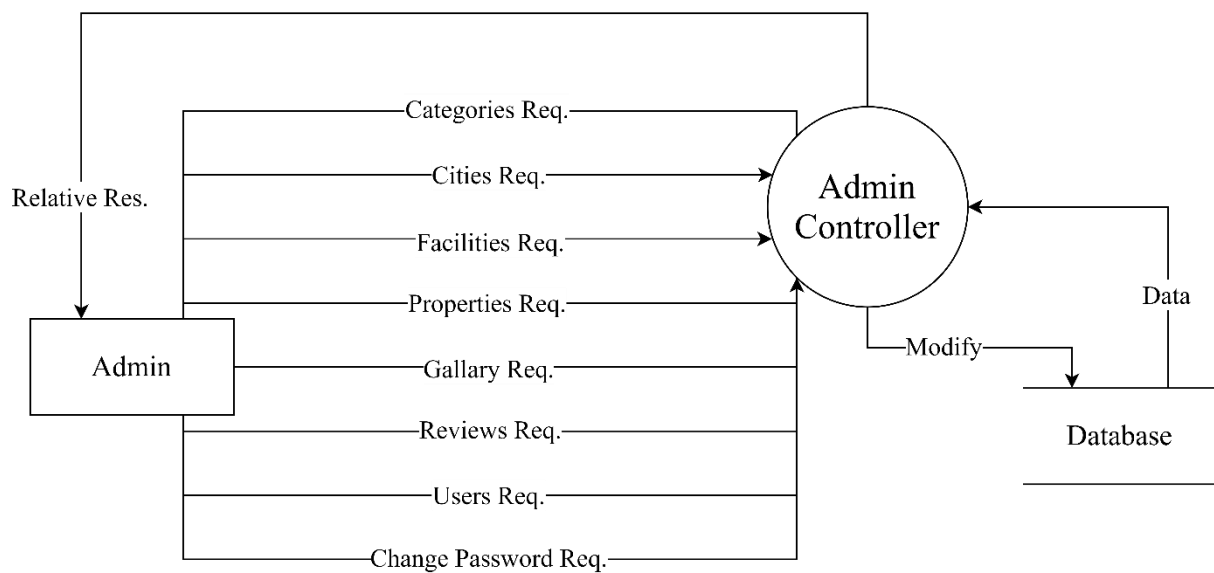


1.13.1 Admin DFDs

Admin level 0

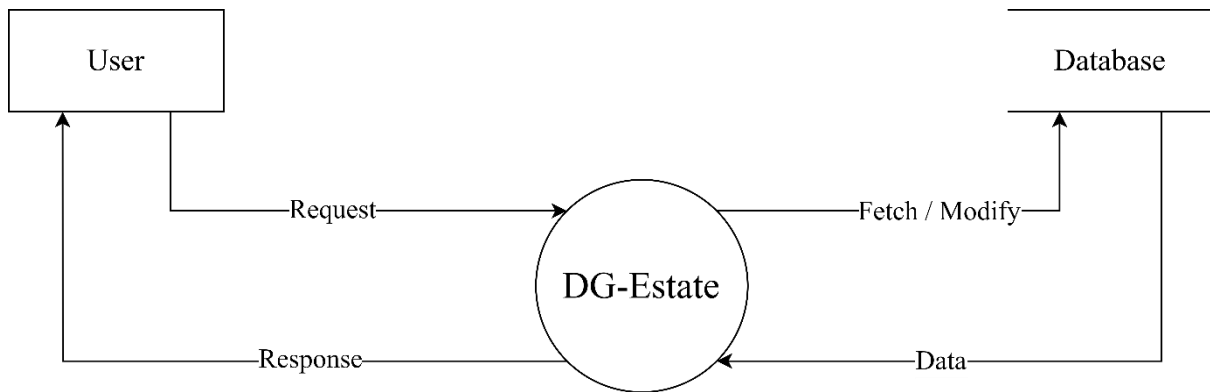


Admin level 1

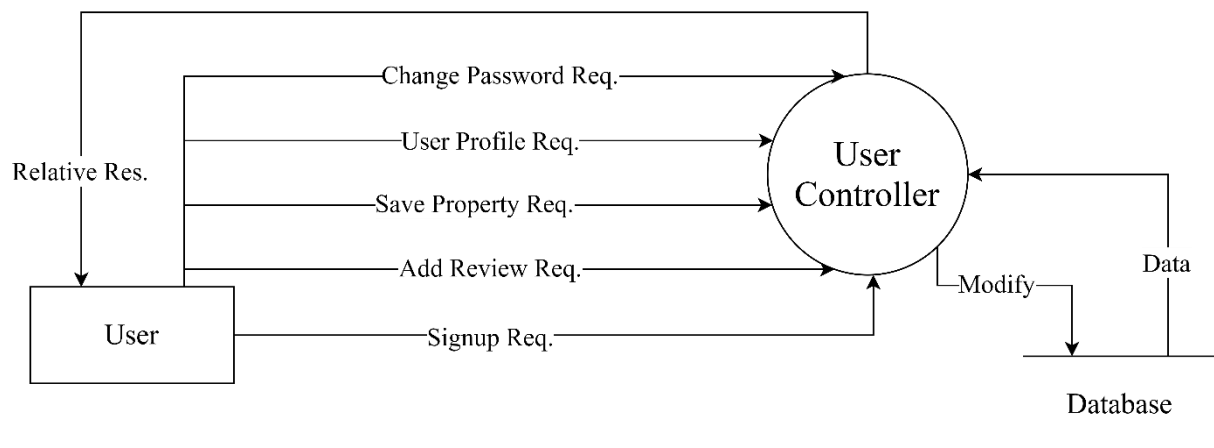


1.14 User DFDs

User level 0



User level 1



5. Database

1.15 Database Structure

Categories Table

#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
	Name	Varchar	No	
	Slug_name	Varchar	No	
	Image	Varchar	No	

Cities Table

#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
	City	Varchar	No	
	Slug_city	Varchar	No	
	Status	Enum ('0', '1')	No	Default ('0')

Galleries Table

#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
FK	Pro_id	Bigint (20)	No	
	Gal_image	Varchar	No	

Facilities Table

#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
	Faci	Varchar	No	
FK	Slug_faci	Varchar	No	
	Fa	Varchar	Yes	
	Color	Varchar	Yes	

Properties Table

#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
	Public	Tinyint (1)	No	Default (1)
	Title	Varchar	No	
	Title_slug	Varchar	No	
	Price	Decimal (10, 0)	No	
	Featured	Tinyint (1)	No	
	Purpose	Enum (‘sale’, ‘rent’, ‘pg’)	No	
FK	Category	Bigint (20)	No	
	Image	Varchar	Yes	
	Fe_image	Varchar	Yes	
FK	Faci	Varchar	Yes	
	Rooms	Int	No	

	Bathrooms	Int	No	
FK	City	Bigint (20)	No	
	Address	Varchar	No	
	Cont_ph	Varchar	No	
	Cont_em	Varchar	No	
	Area	Int	Yes	
	Description	Text	Yes	
	Video	Text	Yes	
	Floorplan	Varchar	Yes	
	Map	Text	Yes	

Site Settings Table

#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
	Key	Varchar	No	
	Value	Text	Yes	

Users Table

#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
	Name	Varchar	No	
	Email	Varchar	No	
	Password	Varchar	No	
	Type	Enum ('U', 'R', 'A')	No	

User_data Table

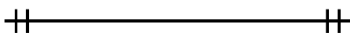


#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
	Image	Varchar	Yes	
	About	Varchar	Yes	
	Saved	Text	Yes	

6. E-R Diagram

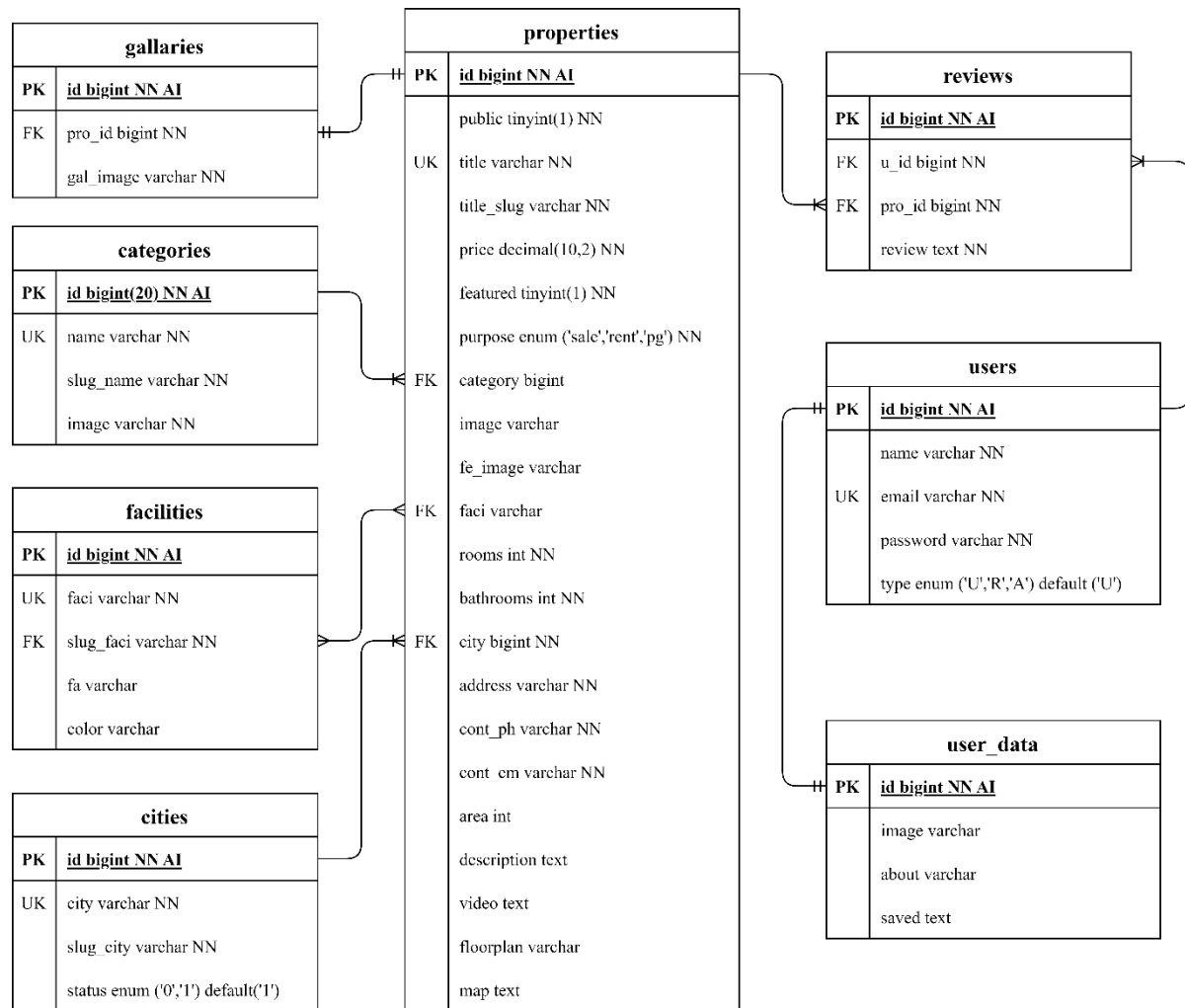
1.16 Entity Relation Diagram

An **Entity Relationship (ER) Diagram** is a type of flowchart that illustrates how “entities” such as people, objects or concepts relate to each other within a system.

Symbols and Notations Used in Crow’s Foot ERD Style (here)

Notation	Symbol								
Entity	<table><tr><th colspan="2">Entity</th></tr><tr><td>PK</td><td><u>UniqueID</u></td></tr><tr><td></td><td>Row 1</td></tr><tr><td></td><td>Row 2</td></tr></table>	Entity		PK	<u>UniqueID</u>		Row 1		Row 2
Entity									
PK	<u>UniqueID</u>								
	Row 1								
	Row 2								
One to One									
One to Many									
Many to Many									

ER Diagram








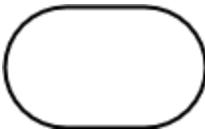

7. Process

1.17 Process Specification

A **Process Specification** is a method used to document, analyse and explain the decision-making logic and formulas used to create output data from process input data. Its objective is to flow down and specify regulatory/engineering requirements and procedures.

A variety of approaches can be used to produce a process specification, including:

- Decision Tables
- Structured English

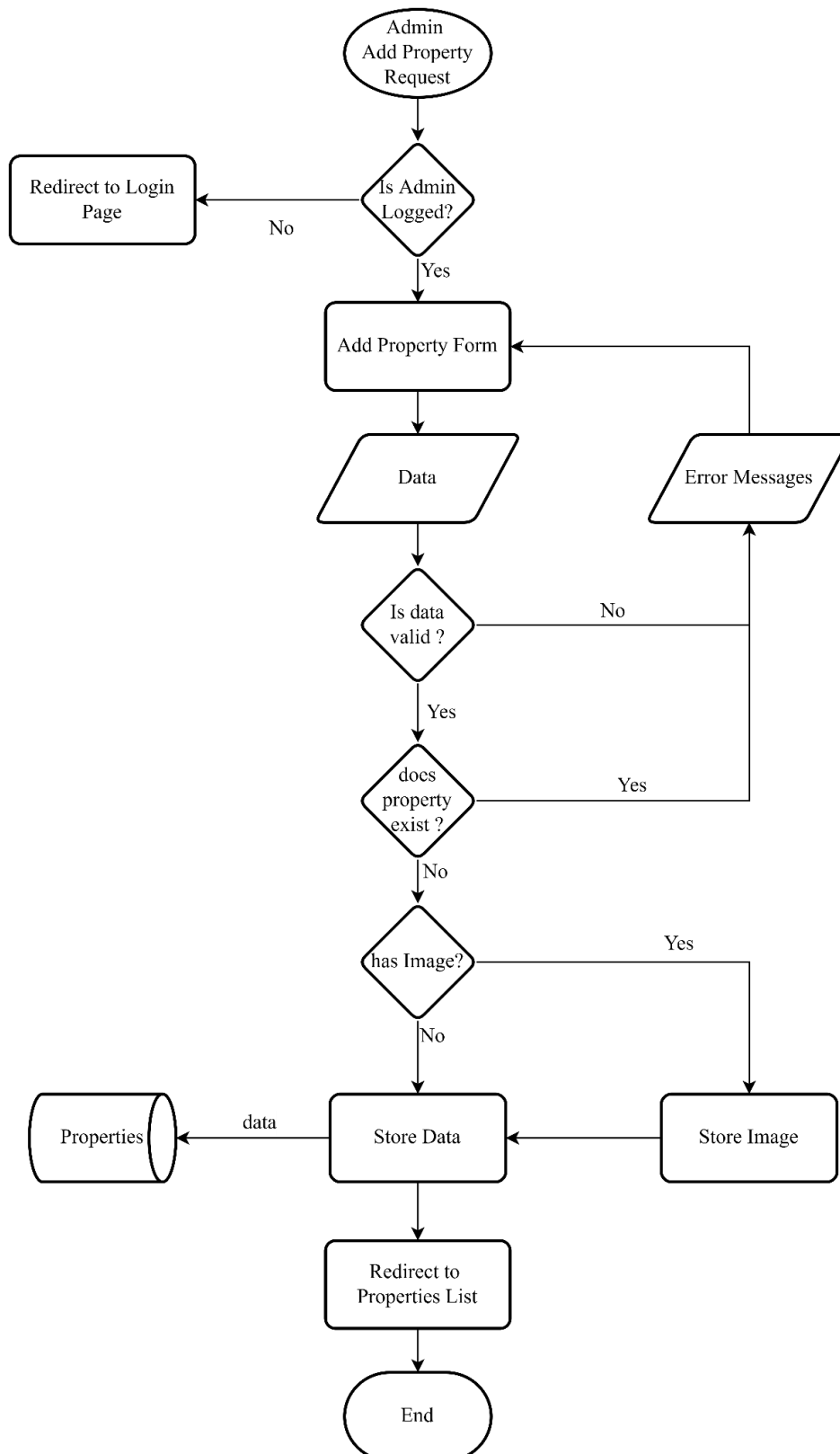
Notation	Symbol
Start	
Condition / Decision	
Process	
Data, Input or Output	
Database	
Terminate	
Flow Arrow	

- Use Cases
- Flow Charts

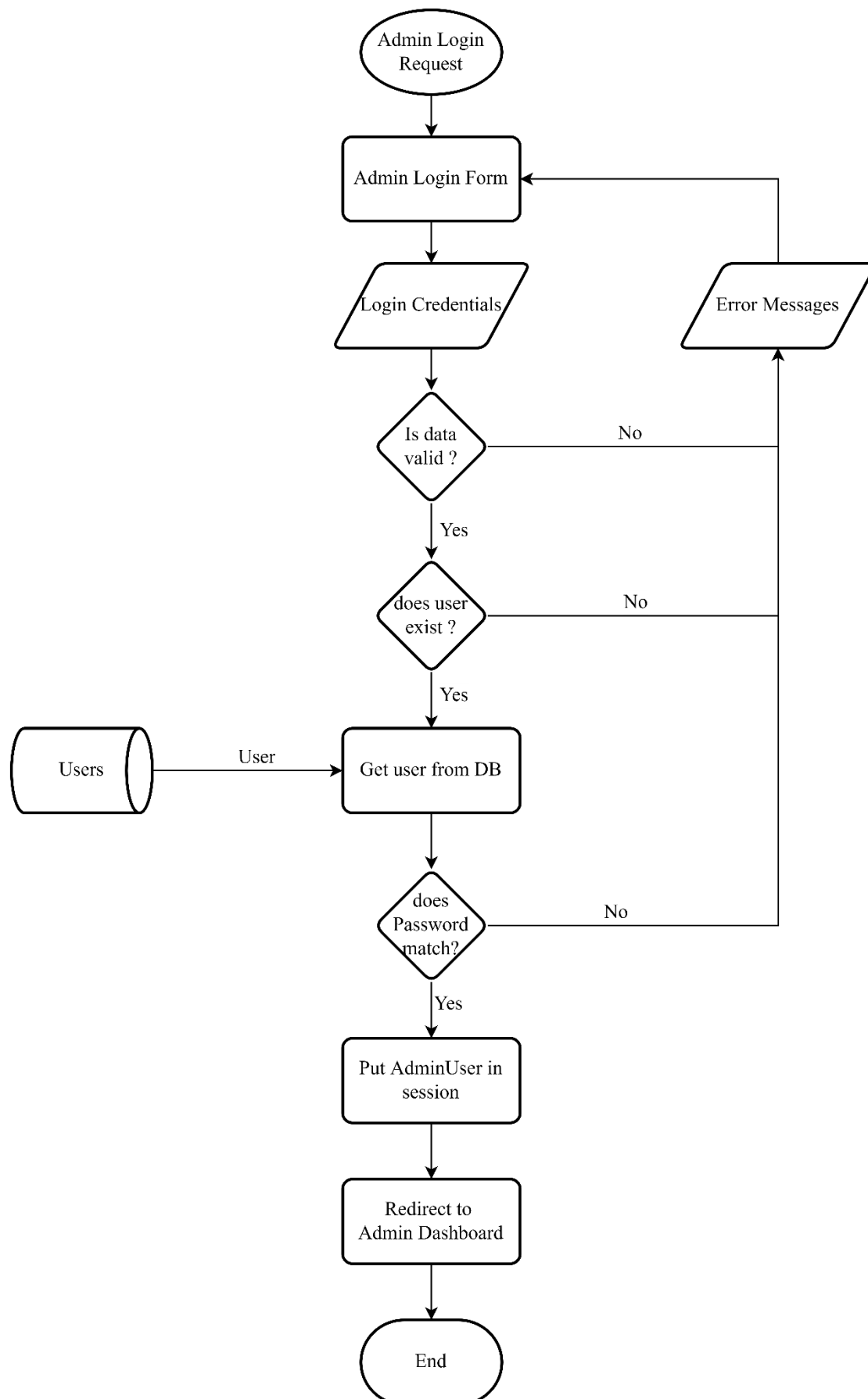
Here **Flow-Charts** are used to describe process in in-depth detail.

1.17.1 Admin/Root Flow-Charts

Add Property

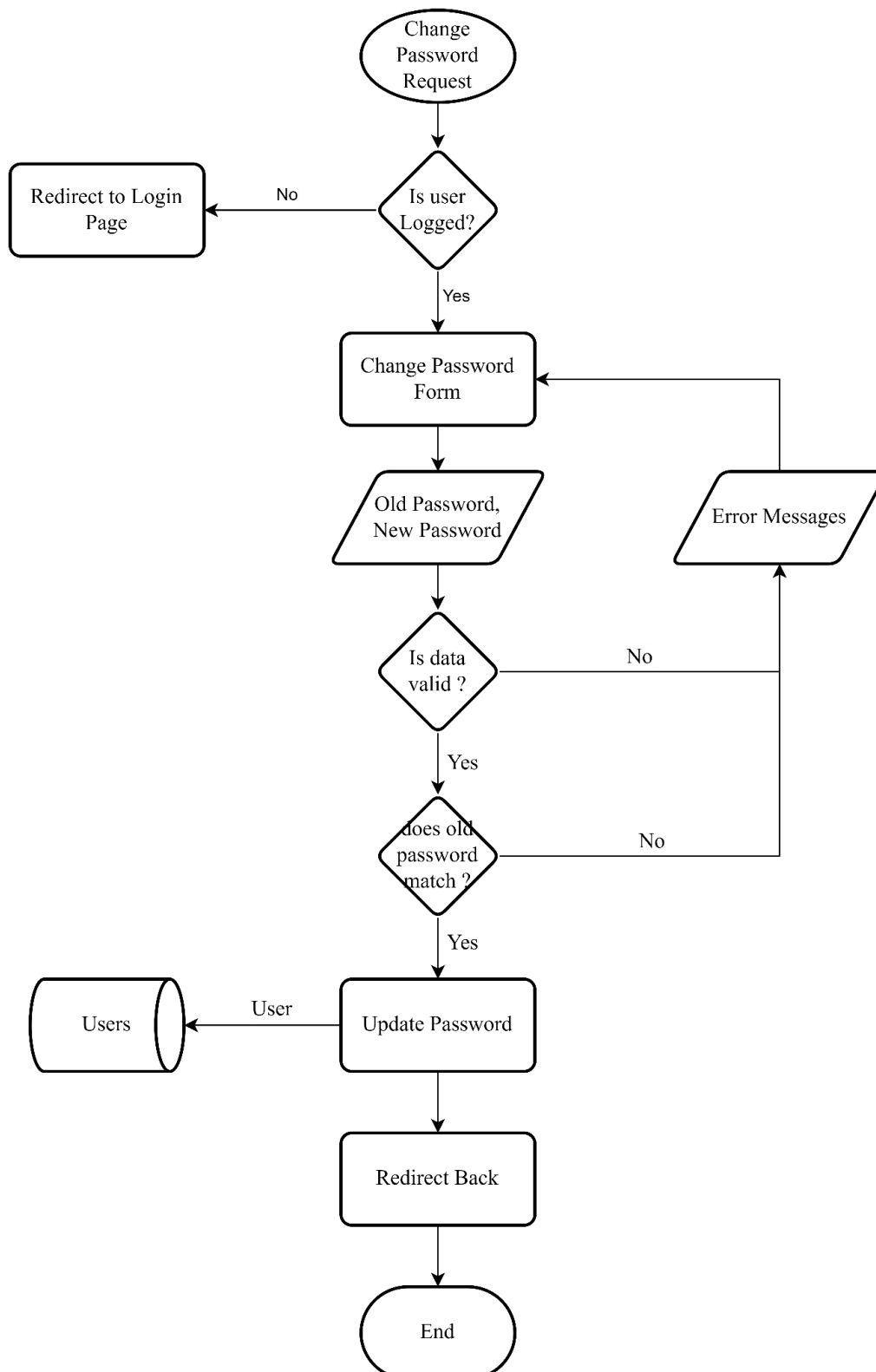


Admin login

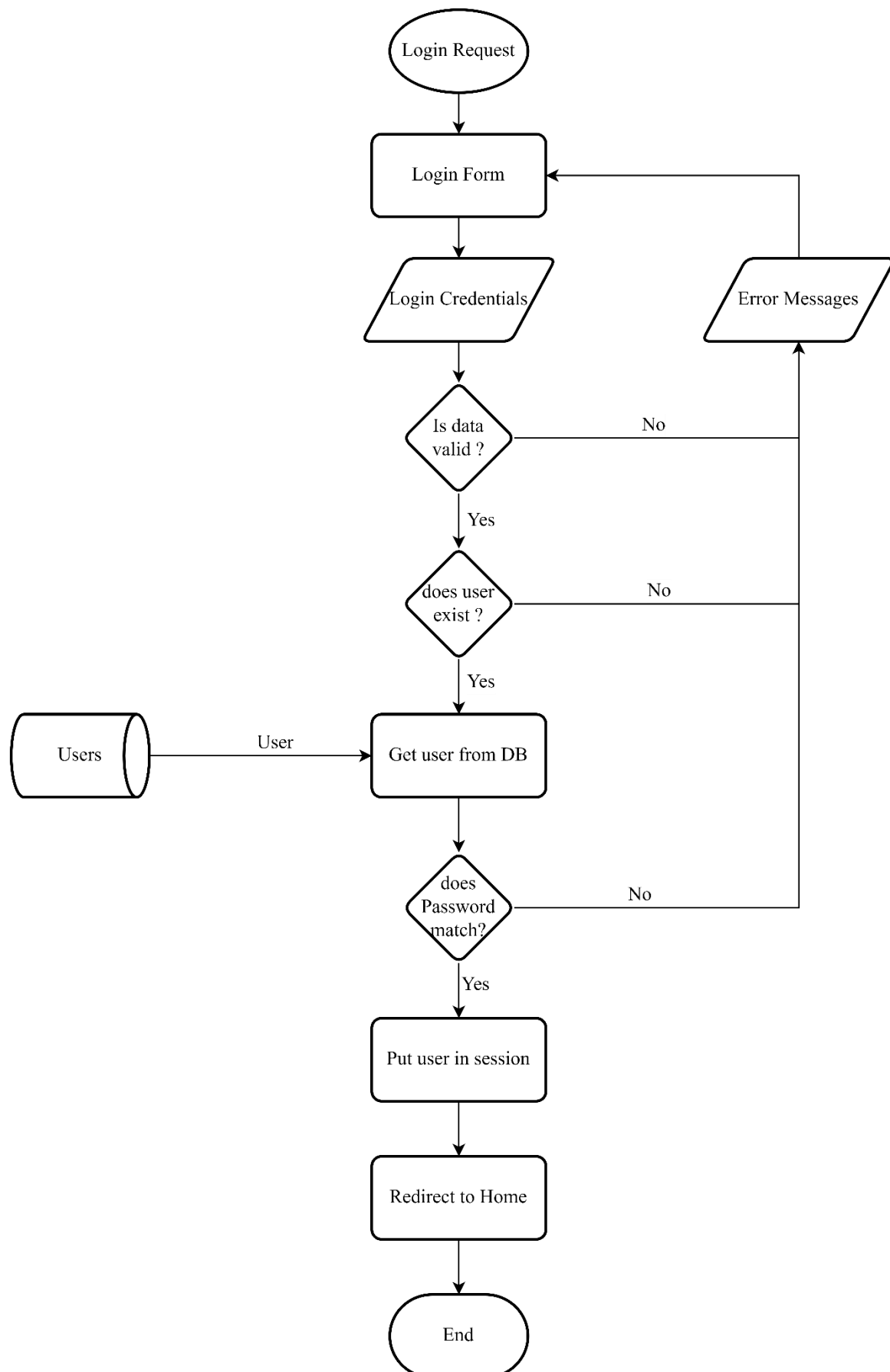


1.17.2 User Flow-Charts

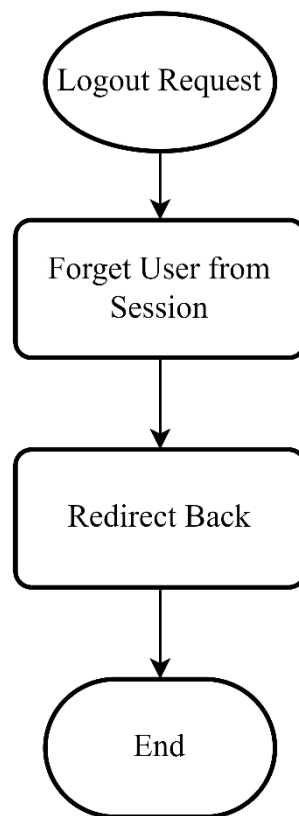
Change Password



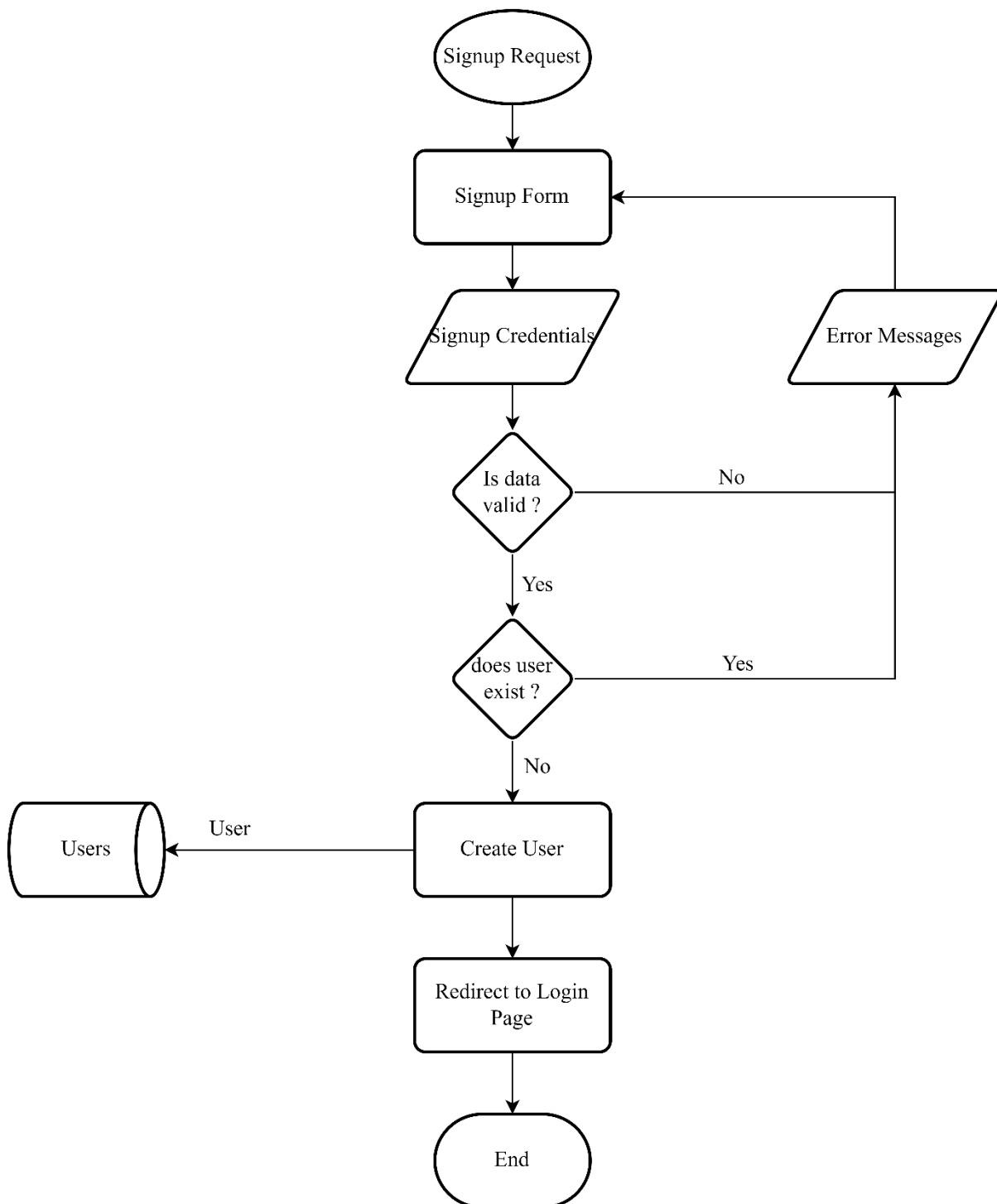
Login



Logout



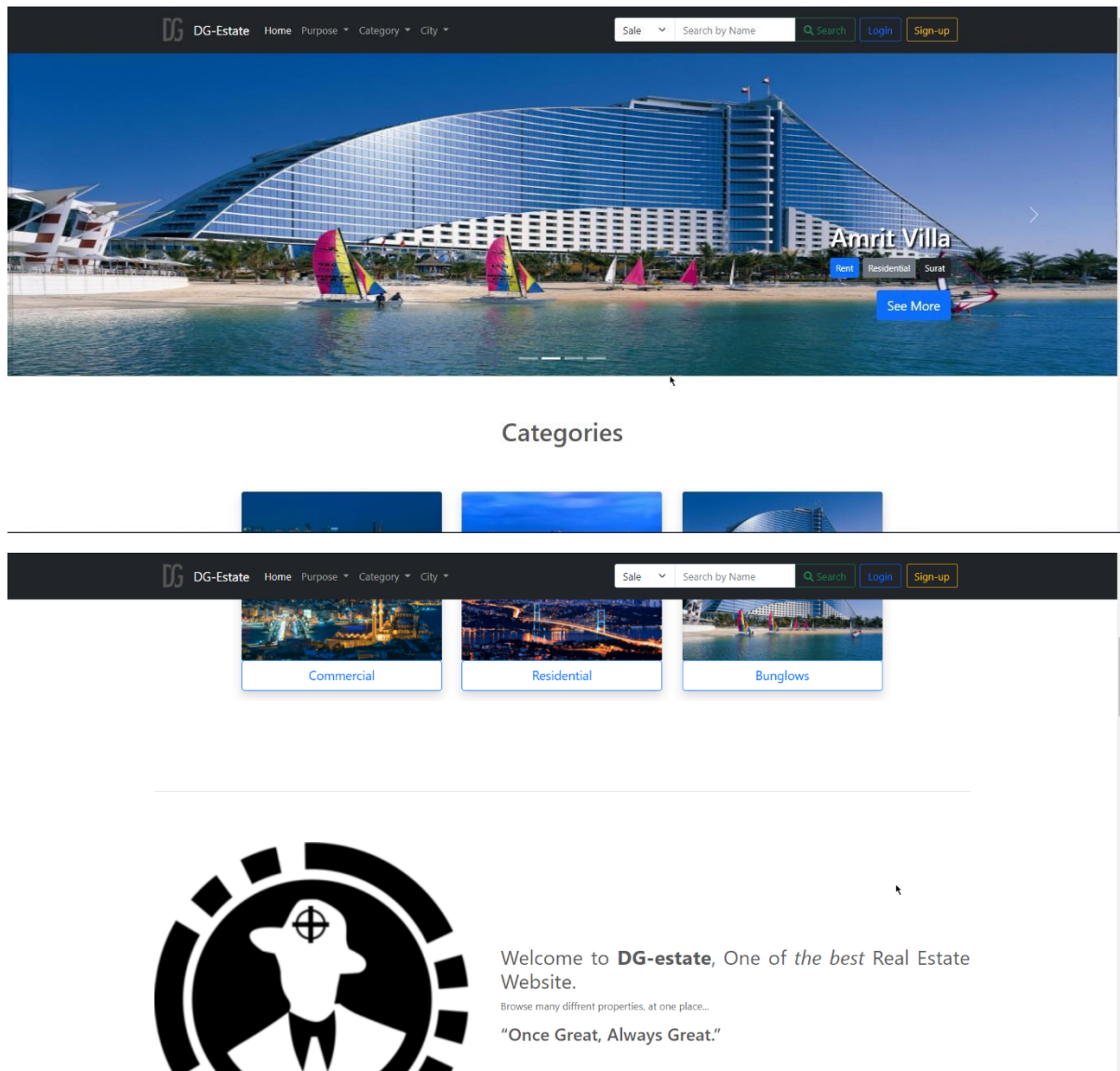
Signup



8. Frontend Layout

1.18 User

1.18.1 Home Page



[DG-Estate](#)
[Home](#)
[Purpose](#)
[Category](#)
[City](#)

Sale
Search by Name
Search
Login
Sign-up

Platinum Park

[Sale](#)
[Residential](#)
[Surat](#)

2 2

Blu Farm House

[Rent](#)
[Bungalows](#)
[Surat](#)

3 4

Artemis Fowl

[Pg](#)
[Residential](#)
[Ahmedabad](#)

1 1

[DG-Estate](#)
[Home](#)
[Purpose](#)
[Category](#)
[City](#)

Sale
Search by Name
Search
Login
Sign-up

Blu Farm House

[Rent](#)
[Bungalows](#)
[Surat](#)

3 4

Farm Villa

[Rent](#)
[Bungalows](#)
[Surat](#)

3 4

[DG-Estate](#)
[Home](#)
[Purpose](#)
[Category](#)
[City](#)

Sale
Search by Name
Search
Login
Sign-up

Blu Farm House
[Rent](#)
[Bungalows](#)
[Surat](#)
3 4

Farm Villa
[Rent](#)
[Bungalows](#)
[Surat](#)
3 4

Sitemap

- Home
- Properties
- About
- FAQs
- Terms

Quick Links

- Home
- Properties
- Profile
- Saved

DG DG-Estate

Contact Us


+919121291212

digreal_estate@gmail.com

© 2069 DG-Estate, Inc. All rights reserved.



1.18.2 Property pages


DG-Estate
[Home](#)
[Purpose](#)
[Category](#)
[City](#)

Sale
Search by Name

Search
Login
Sign-up

Properties

Search
Search by Name


Category
All

City
All

For
All

Sort by
Latest

Filter




Platinum Park

Sale
Residential
Surat

Mauris tristique arcu rhoncus sapien molestie venenatis. Donec posuere dictum ex, eu imperdiet lacus maximus in. Etiam blandit nibh id aliquet porttitor. Vestibulum non nunc dignissim, porta est nec, porttitor sapien. Integer convallis erat eget ipsum dignissim, ac semper augue lacinia. Quisque sit amet ultrices purus. Mauris vestibulum tortor in urna bibendum, eu scelerisque felis sollicitudin. Phasellus molestie tellus id pulvinar feugiat. Vivamus eleifend pellentesque quam vel iaculis.

2
2


Read more



Blu Farm House

Rent
Banglows
Surat

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin pellentesque, dui ac vehicula ultrices, tellus justo



DG Villa Pro

Residential

Surat

Nam metus elit, accumsan ac condimentum nec, lacinia vel erat. Aliquam vitae massa laoreet sapien placerat convallis. In a faucibus eros, a faucibus odio. Praesent sollicitudin viverra egestas. Vivamus a tortor quis felis iaculis mattis. Suspendisse a mollis sapien. Nunc eu imperdiet tortor, eget mattis erat.

DG-Estate
[Home](#)
[Purpose](#)
[Category](#)
[City](#)


Sale

Search by Name

Search

Login




Sign-up




For Sale...

Price : ₹ 9,690,000

Gallery :

Area : 2,004,269 Sq. Ft.

Floorplan :


Facilities :

Gym

Swimming Pool

Children Park


Garden

Contact :

753951852

abcxyz123@example.com

Video :



1.18.3 Login and signup pages

Welcome back to DG-Estate

This is just bunch of random text you don't need to read it. Stop it already I told you don't read it. Fine do whatever you want read this too. It took me F***ing ** Months to make this Project.

☐ Remember me

Log In

By clicking Sign up, you agree to the terms of use. Don't have an account? [Sign Up](#)

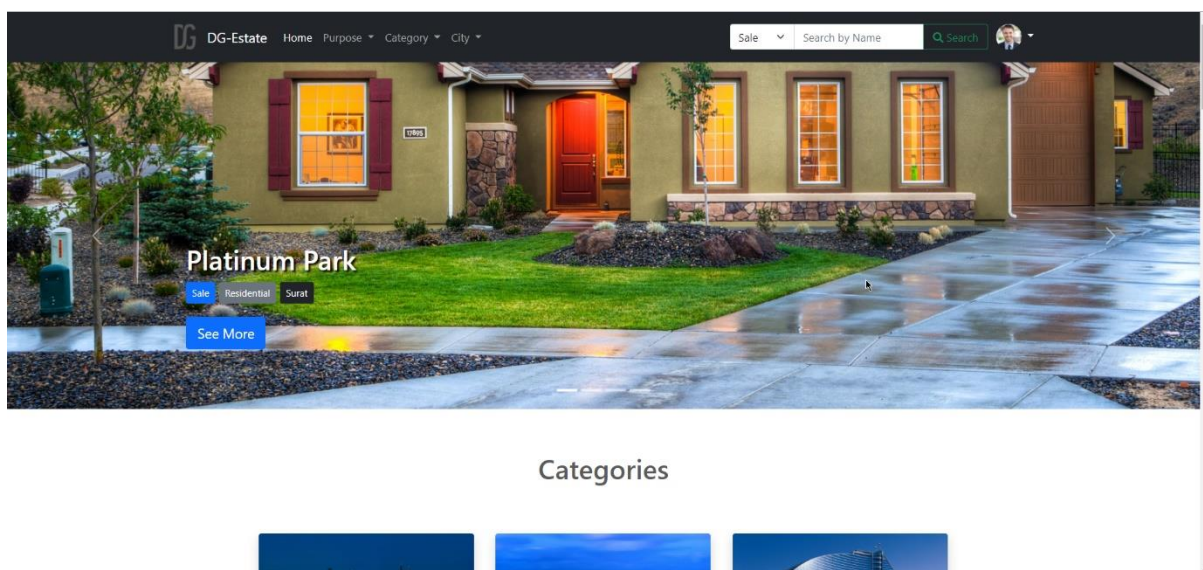
Welcome to DG-Estate

This is just bunch of random text you don't need to read it. Stop it already I told you don't read it. Fine do whatever you want read this too. It took me F***ing ** Months to make this Project.

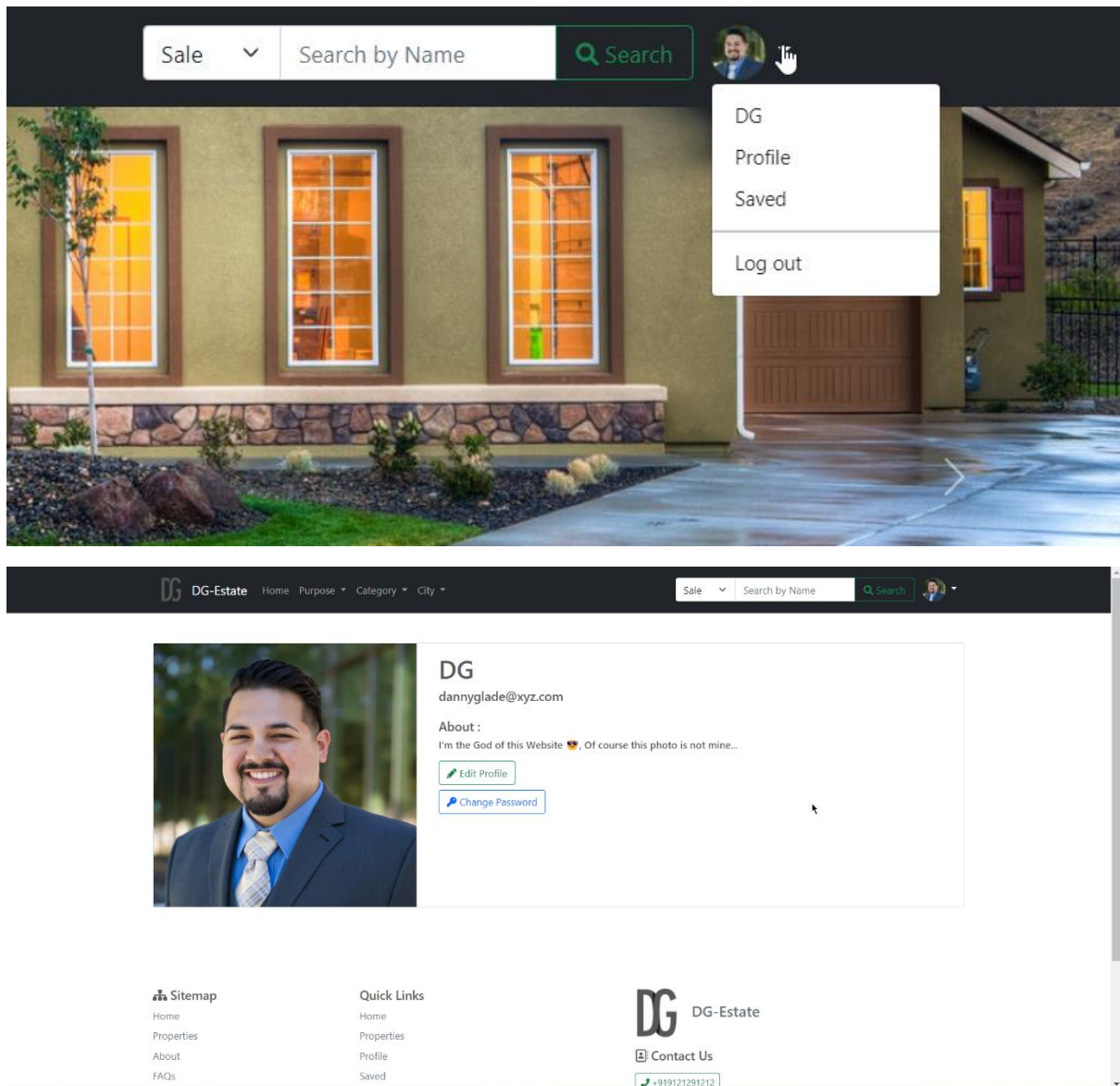
☐ Remember me

Sign Up


By clicking Sign up, you agree to the terms of use. Already have an account? [Log In](#)




User



1.18.4 Other Pages


DG-Estate
[Home](#)
[Purpose](#)
[Category](#)
[City](#)

Sale
Search by Name
Search
Login
Sign-up



About Us

Who are we?


Lorem ipsum dolor sit amet, consectetur adipiscing elit. In eget faucibus dolor, Nunc nec nisi eget ligula malesuada condimentum a vitae neque. Suspendisse ut pulvinar justo. Donec eget mauris dolor. Nulla sed eros imperdiet, ultrices sem in, consequat nulla. Nulla in blandit arcu, at finibus odio. Etiam vel suscipit leo.

Why choose us?

Maecenas laoreet volutpat arcu, eu feugiat eros blandit in. Donec placerat pretium fermentum. Morbi sed arcu hendrerit, posuere est et, finibus elit. Cras at dolor viverra, suscipit turpis ac, finibus velit. In elementum porttitor tincidunt. Cras id congue nisl. Nam ornare diam sit amet risus dignissim, eget pharetra odio rutrum. Mauris ornare orci vel accumsan molestie. Curabitur auctor, ex vitae porttitor volutpat, leo justo varius dolor, a porta ex ex vel metus. Curabitur non viverra orci, volutpat finibus lorem. Suspendisse dictum felis neque, ut tempus mi facilisis et. Phasellus eu risus leo. Cras pretium mi vel nisl suscipit, ac ultrices odio tincidunt.

What we offer?

In ante mauris, vestibulum quis justo ac, vestibulum malesuada mauris. Nunc finibus blandit ex. Aliquam efficitur urna porta commodo maximus. Pellentesque nec nisi velit. Proin ex nisl, laoreet vel dignissim sed, varius nec elit. Donec pharetra sem ac odio lacinia dictum. Sed vehicula neque ipsum, id vestibulum metus convallis ac. Praesent eu ullamcorper mi. Sed fermentum augue sed maximus suscipit. Aenean non massa ut urna commodo cursus. Pellentesque sagittis ex eget leo convallis, nec sodales tortor euismod.


DG-Estate
[Home](#)
[Purpose](#)
[Category](#)
[City](#)

Sale
Search by Name
Search
Login
Sign-up

FAQs

How can we list properties on DG-estate?


- Quisque pretium ex convallis bibendum dictum.
- Maecenas sit amet elit ultrices, viverra urna id, posuere ligula.

Can we pay rent from this platform?


- Duis eu massa non risus imperdiet iaculis eu in lacus.
- Curabitur dapibus sem ac rutrum malesuada.
- Praesent efficitur mauris vel lorem ultrices eleifend.

Are properties on this website are genuine?


- Fusce ac leo molestie, aliquam purus in, consectetur tellus.
- Maecenas non quam ac lectus pharetra ornare.



Sitemap


- [Home](#)
- [Properties](#)
- [About](#)


Quick Links

- [Home](#)
- [Properties](#)
- [Profile](#)


DG-Estate


[Contact Us](#)


DG-Estate
[Home](#)
[Purpose](#)
[Category](#)
[City](#)

Sale
Search by Name
Search
Login
Sign-up

Terms

- Sed id laoreet purus. In in libero quis sem gravida posuere quis quis augue. Sed sit amet enim id erat elementum ultrices. Mauris sed sagittis ante. Mauris ut nunc iaculis, maximus nulla quis, porta diam. Quisque tempus, arcu vel imperdiet auctor, nibh nisl faucibus arcu, et accumsan est justo scelerisque erat. Ut facilisis erat turpis, quis suscipit orci tincidunt eget. Nulla nibh mauris, dapibus non mollis at, porta ut arcu. Donec porta turpis velit, vitae iaculis ligula iaculis at. Aenean vel ex auctor, mattis urna sed, hendrerit enim.
- Vivamus convallis felis non justo sollicitudin scelerisque. Pellentesque tincidunt iaculis neque. eu iaculis ex gravida eu. Pellentesque nunc diam, dignissim at dui vel, gravida venenatis mi. Mauris eu euismod eros, et mollis felis. Duis egestas pharetra est, a hendrerit metus bibendum eu. Morbi et rhoncus mi. Ut congue elementum purus vitae lobortis. Duis sed lectus sit amet tellus tincidunt cursus vitae maximus libero. Phasellus rhoncus elit a commodo lacinia.
- Maecenas ut iaculis metus, et venenatis felis. Donec a augue non ante finibus vulputate ut vitae lectus. Fusce rhoncus purus sit amet sagittis commodo. Sed at efficitur purus. Etiam eros augue, sollicitudin a laoreet at, mattis tempor ex. Proin molestie nisl neque augue malesuada, eu semper quam mattis. Suspendisse dictum nisl leo. Sed pulvinar lacus sit amet ipsum pretium feugiat. Donec non erat tempus, posuere eros vel, finibus dolor. Praesent odio lectus, cursus at rhoncus sed, vehicula id sem. Morbi pharetra dapibus diam, quis rutrum neque lobortis pharetra. Cras pretium, libero eu volutpat porta, odio odio accumsan metus, ac tempus eros leo sodales urna. Sed at orci id quam aliquet imperdiet. In imperdiet non mauris vel pellentesque. Aliquam ut dolor consectetur, dignissim orci et, accumsan purus.

Conditions

- Mauris tristique arcu rhoncus sapien molestie venenatis. Donec posuere dictum ex, eu imperdiet lacus maximus in. Etiam blandit nibh id aliquet porttitor. Vestibulum non nunc dignissim, porta est nec, porttitor sapien. Integer convallis erat eget ipsum dignissim, ac semper augue lacinia. Quisque sit amet ultrices purus. Mauris vestibulum tortor in urna bibendum, eu scelerisque felis sollicitudin. Phasellus molestie tellus id pulvinar feugiat. Vivamus eleifend pellentesque quam vel iaculis.

9. Admin Layout

1.19 Admin/Root Pages

1.19.1 Dashboard

Dashboard

Admin / Dashboard

Users +1
New users this month [more info](#)

Reviews +4
New reviews this month [more info](#)

Properties +1
New properties this month [more info](#)

More Info

Users [more](#)

Mark Specter
mark@specter.com

Reviews [more](#)

DG
This is a demo review

Admin User
Fabulas

DG
Very poor area to live,, not recommended

DG
hello there

Properties [more](#)

Platinum Park
[See more](#)

1.19.2 Category

Category

Category / List

Show entries

Search:

[Add](#)

Id	Category Name	Image	Action
2	Bunglows		Edit Delete
3	Residential		Edit Delete
5	Commercial		Edit Delete

Showing 1 to 3 of 3 entries

[Previous](#) [1](#) [Next](#)

1.19.3 City

DG-Estate | Admin User
Log out







Dashboard
Category
Cities
Facilities
Properties
Gallery
Reviews
Users
ROOT USER ACCESS
CMS
Site Settings
Change Password

Cities

Cities / List

Show 10 entries

Search:

Id	City Name	Status	Action
1	Surat	Active	 
2	Ahmedabad	Active	 
3	Bharuch	Disabled	 

Showing 1 to 3 of 3 entries

Previous 1 Next

1.19.4 Facility

DG-Estate | Admin User
Log out
















Dashboard
Category
Cities
Facilities
Properties
Gallery
Reviews
Users
ROOT USER ACCESS
CMS
Site Settings
Change Password

Facilities

Facilities / List

Show 10 entries

Search:

Id	Facility	Action
3	 Swimming Pool	 
4	 Gym	 
5	 Children Park	 
6	 Garden	 
7	 Party Plot	 

Showing 1 to 5 of 5 entries

Previous 1 Next

1.19.5 Property

DG-Estate Admin User		Log out																																																																																																
<ul style="list-style-type: none"> Dashboard Category Cities Facilities Properties Gallery Reviews Users <p>ROOT USER ACCESS</p> <ul style="list-style-type: none"> CMS Site Settings Change Password 	<h2>Properties</h2> <p>Properties / List</p> <p>Show 10 entries</p> <table> <thead> <tr> <th>ID</th><th>Public</th><th>Property</th><th>Price (₹)</th><th>Featured</th><th>Purpose</th><th>Category</th><th>Image</th><th>City</th><th>Gallery</th><th>Reviews</th><th>Action</th></tr> </thead> <tbody> <tr> <td>3</td><td>Public</td><td>DG Villa Pro</td><td>9,690,000</td><td>Active</td><td>Sale</td><td>Residential</td><td></td><td>Surat</td><td></td><td></td><td> </td></tr> <tr> <td>4</td><td>Hidden</td><td>Farm Villa</td><td>5,000</td><td>Active</td><td>Rent</td><td>Bunglows</td><td></td><td>Surat</td><td></td><td></td><td> </td></tr> <tr> <td>5</td><td>Public</td><td>Shivan Avenue</td><td>1,050,000</td><td>Active</td><td>Sale</td><td>Residential</td><td></td><td>Ahmedabad</td><td></td><td></td><td> </td></tr> <tr> <td>6</td><td>Public</td><td>Amrit Villa</td><td>5,000</td><td>Active</td><td>Rent</td><td>Residential</td><td></td><td>Surat</td><td></td><td></td><td> </td></tr> <tr> <td>7</td><td>Public</td><td>Artemis Fowl</td><td>3,000</td><td>Disabled</td><td>Pg</td><td>Residential</td><td></td><td>Ahmedabad</td><td></td><td></td><td> </td></tr> <tr> <td>8</td><td>Public</td><td>Blu Farm House</td><td>10,000</td><td>Disabled</td><td>Rent</td><td>Bunglows</td><td></td><td>Surat</td><td></td><td></td><td> </td></tr> <tr> <td>9</td><td>Public</td><td>Platinum Park</td><td>4,500,000</td><td>Active</td><td>Sale</td><td>Residential</td><td></td><td>Surat</td><td></td><td></td><td> </td></tr> </tbody> </table> <p>Showing 1 to 7 of 7 entries</p> <p>Previous 1 Next</p>	ID	Public	Property	Price (₹)	Featured	Purpose	Category	Image	City	Gallery	Reviews	Action	3	Public	DG Villa Pro	9,690,000	Active	Sale	Residential		Surat				4	Hidden	Farm Villa	5,000	Active	Rent	Bunglows		Surat				5	Public	Shivan Avenue	1,050,000	Active	Sale	Residential		Ahmedabad				6	Public	Amrit Villa	5,000	Active	Rent	Residential		Surat				7	Public	Artemis Fowl	3,000	Disabled	Pg	Residential		Ahmedabad				8	Public	Blu Farm House	10,000	Disabled	Rent	Bunglows		Surat				9	Public	Platinum Park	4,500,000	Active	Sale	Residential		Surat				Add
ID	Public	Property	Price (₹)	Featured	Purpose	Category	Image	City	Gallery	Reviews	Action																																																																																							
3	Public	DG Villa Pro	9,690,000	Active	Sale	Residential		Surat																																																																																										
4	Hidden	Farm Villa	5,000	Active	Rent	Bunglows		Surat																																																																																										
5	Public	Shivan Avenue	1,050,000	Active	Sale	Residential		Ahmedabad																																																																																										
6	Public	Amrit Villa	5,000	Active	Rent	Residential		Surat																																																																																										
7	Public	Artemis Fowl	3,000	Disabled	Pg	Residential		Ahmedabad																																																																																										
8	Public	Blu Farm House	10,000	Disabled	Rent	Bunglows		Surat																																																																																										
9	Public	Platinum Park	4,500,000	Active	Sale	Residential		Surat																																																																																										
DG-Estate Admin User		Log out																																																																																																
<ul style="list-style-type: none"> Dashboard Category Cities Facilities Properties Gallery Reviews Users <p>ROOT USER ACCESS</p> <ul style="list-style-type: none"> CMS Site Settings Change Password 	<h2>Properties</h2> <p>Property / Add</p> <h3>Add Property</h3> <p><input type="checkbox"/> Featured <input type="checkbox"/> Public</p> <p>Property Title Price</p> <p><input type="text"/> <input type="text"/></p> <p>Purpose Category</p> <p>Options Choose... Options Choose...</p> <p>Bed Rooms Bath Rooms Area</p> <p><input type="text"/> <input type="text"/> Sq. Ft. <input type="text"/></p> <p>City Address</p> <p>Choose... <input type="text"/></p> <p>Contact Phone Contact Email</p> <p><input type="text"/> <input type="text"/></p> <p>Facilities</p> <p>Use Ctrl + Click to multi select</p> <p>Gym Swimming Pool Children Park Garden</p> <p>Property Description</p> <p><input type="text"/></p> <p>Property Video</p> <p><input type="text"/></p> <p>Property Map</p> <p><input type="text"/></p> <p>Submit</p>	Submit																																																																																																
DG-Estate Admin User		Log out																																																																																																

1.19.6 Gallery

DG-Estate | Admin User
Log out

- Dashboard
- Category
- Cities
- Facilities
- Properties
- Gallery**
- Reviews
- Users

ROOT USER ACCESS

- CMS
- Site Settings
- Change Password

Gallery

Gallery / List

Show 10 entries

Search:

Id	Image	Property	Action
3		Farm Villa	
5		Farm Villa	
8		DG Villa Pro	
9		DG Villa Pro	
10		DG Villa Pro	

DG-Estate | Admin User
Log out

- Dashboard
- Category
- Cities
- Facilities
- Properties
- Gallery
- Reviews**
- Users

ROOT USER ACCESS

- CMS
- Site Settings
- Change Password

Reviews

Reviews / List

Show 10 entries

Search:

Id	Property	User	Review	Action
16	Artemis Fowl	DG	hello there	
17	Amrit Villa	DG	Very poor area to live... not recommended	
21	DG Villa Pro	Admin User	Fabulas	
26	Platinum Park	DG	This is a demo review	

Showing 1 to 4 of 4 entries

Previous 1 Next

1.19.7 Users

DG-Estate | Admin User
Log out

- Dashboard
- Category
- Cities
- Facilities
- Properties
- Gallery
- Reviews
- Users**

ROOT USER ACCESS

- CMS
- Site Settings
- Change Password

Users

Users / List

Show 10 entries

Search:

Image	Name	Email	Type	Action
	Mark Specter	mark@specter.com	User	
	DG	dannyglade@xyz.com	User	
	Titan	titan@email.com	Admin	

Showing 1 to 3 of 3 entries

Previous 1 Next

10. Limitations and future enhancement

1.20 limitations

- If admin is just logged in admin can delete any property by just remembering its id and making right URL.
- Delete has less secure validation.
- Root user can't track who added or updated Property or any other item.
- There is no other way to change password if user forgets the password.
- Root can simply delete a user without any kind of warning to the user.
- User can add any kind of email format to create account because there is no way to verify email.
- Users can not edit their old reviews.
- Property listers and Root can't reply to a review if a user seeks help through review.

1.21 Future Enhancements

- We can scale this website to an admin listed website to a platform where common users can also list their house for rent or sale.
- Views system in property, properties with more views can be considered in most viewed section on front page.
- Add map with just coordinates instead of google embed maps.
- Upgrading frontend in an SPA (Single Page Application) can improve user experience.
- More control in admin panel like able to change frontend layout.

11. References

These are the websites/ articles / videos / blogs which were used as reference in making of this project.

Websites

- <https://laravel.com/docs/8.x/>
- <https://stackoverflow.com/>
- <https://getbootstrap.com/docs/5.1/getting-started/introduction/>
- <https://releases.jquery.com/>
- <https://datatables.net/manual/>
- <https://fancyapps.com/docs/ui/installation>
- <https://ckeditor.com/docs/ckeditor4/latest/guide/index.html>
- <https://youtube.com/>
- <https://www.w3schools.in/laravel-tutorial/>
- <https://www.tutorialspoint.com/laravel/index.htm>

Videos

- <https://www.youtube.com/watch?v=ImtZ5yENzgE>
- <https://www.youtube.com/watch?v=MFh0Fd7BsjE>