<u>Preface</u>

The main objective of any computer science student is to get practical knowledge as possible. Being able to have a practical knowledge by developing a project is a lifetime experience. As practical knowledge is important as theoretical knowledge we are thankful of having a project.

Through the development of the project we had a great experience of various strategies that can be applied in development of the project. This project is the stepping stone for our career.

We are pleased to present this project report. Proper case has been taken while organizing the report so that it is easy to comprehend. Also, various software engineering concepts have been implemented.

<u>Acknowledgement</u>

We are student of BCA sem-3 Studying in the Kamani Science College, Amreli. We Thanks to the entire person who has given their support in shaping of the system.

We thank Mr. Vipul Baldha for giving us guidance and Co-operation in understanding the system. We also thank them for their unconditional help in making of this project.

We have great deal of gratitude towards our head of department who encourage us in taking up this activity. We thank all faculties and administrative staffs of the institute.
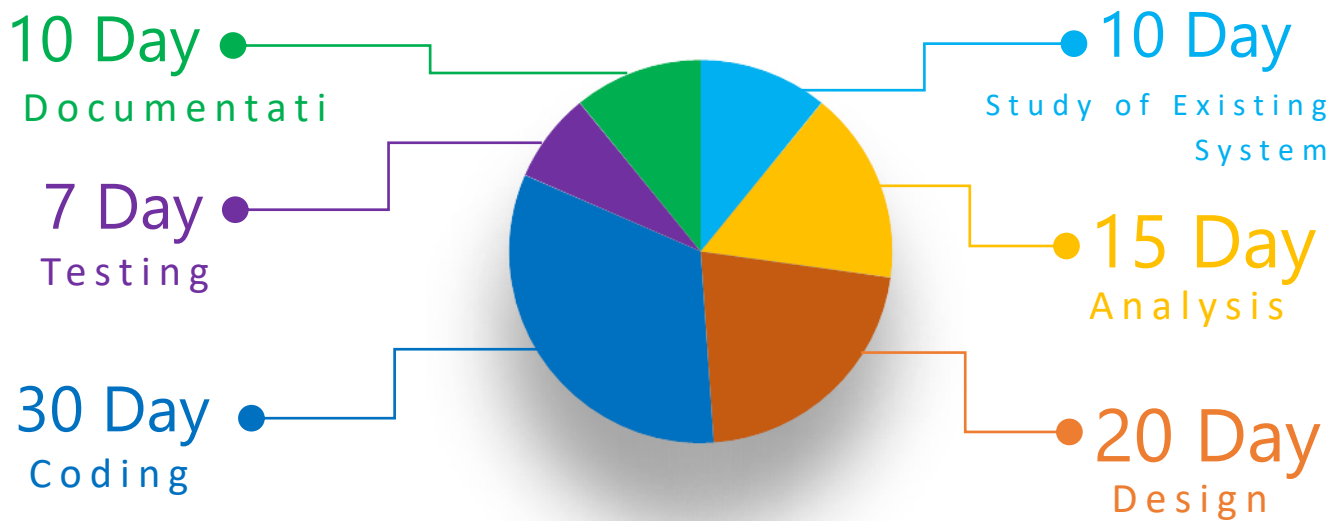
Thanks to all!!

DHARMENDRA HINGU

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<u>Introduction</u>

This is E-Housing site we provide features & facilities to people. In our site people can buy/sell OR Rent property. And our site provides new and latest facilities to students PG/Hostel Rent.& people are also can buy/sell OR Rent flat, House/villa, plot/land, office space, shop/showroom, commercial land, warehouse, industrial building, industrial shade,& other Agriculture Land, farmhouse.

1. People need to be able to sign-up for an account on the site and user to be our customer.
2. In our site user can search properties as per requirement, search & Check area location, size of properties, Rates & trends, top builders project, ongoing building project booking etc.
3. Our site provides property service like Rent Agreement, Tenant verification Design & décor, Rental Furniture, vastu (Astrology).
4. Our site provides top trusted agent details.
5. Our site guides to clients for property buy/sell OR rent.
6. In our site discussion area for knowledge user can discuss with our expert Legal expert, property expert, tax expert, financial expert & also get non-expert advice on call.
7. Our site daily sends news of real estate.
8. Our site provides home loan facilities with different rate of interest, different due period & different EMI amounts.
9. Some basic options like calculate EMI, Post Property free Ad (scheme) etc.

Timeline Chart

10 Day ●
Documentati

7 Day ●
Testing

30 Day ●
Coding

● 10 Day
Study of Existing System

● 15 Day
Analysis

● 20 Day
Design

Each Segments Specify
Days of Project

Project Profile

Project Name: E-Housing

Developed By: Dharmendra Hingu

Front End Tool: Html, CSS, JavaScript, Images, Web fonts.

Back End Tool: Dev & QA.

Operating System: Microsoft Windows XP &Any Latest Editions.

Computer System: Intel Core Duo or higher, RAM: 2GB Lower/Higher.

Project Details: This site manages all users,

Sell/Buy & rent online,

Manage requirement of people,

Photo of post, Search Engine etc.

Completion Time: 3 Months

Guide: Mr. Vipul Baldha

Submit: Saurashtra University, Rajkot.

Hardware Requirement

- ➢ 512+ MB of RAM
- ➢ Multimedia Keyboard And Mouse
- ➢ 1.0+ GHz Processor
- ➢ Monitor
- ➢ 32X CD Drive

Software Requirement

- ➢ Operating System   : Microsoft Windows Xp &Windows 7
- ➢ Front End Tools   : Html, css, JavaScript, Images & web fonts.
- ➢ Back End Tools   : Dev & QA.
- ➢ Documentation Tools : Microsoft Word 2007
- ➢ Browser specification : Mozilla Firefox

Requirement & Specifications

- ✓ Dev & QA using maintain this concerned data
- ✓ Special searching for locations
- ✓ Controlling the information regarding whole Network site
- ✓ Display all types of data using classified reports with combinations of multiple tables

Problem Definition

- ✓ Maintain users
- ✓ Searching Area & Locations
- ✓ Maintain user Response
- ✓ Maintain user Reviews & Ratings
- ✓ Maintain user Privacy
- ✓ Maintain Photographs By uploaded user
- ✓ Private Messages

Project Planning & Scheduling

After notice that current situation of property buy/sell & rental because of that,Many times people have no time to find property for rent buy & sell, further more have to go there for visit meet to owner this process is very long & difficult. Find different bank for home loan with low rate of interest and long due period, we analyze this situation and come up with this solution.

We think we make that process easy for people and we developed E-housing site in this site we provide facilities to Owner and Seeker, with simple step to after login. Owner can post their property for Sell/Rent, same way Seeker can go through and check for their requirement and contact owner without any hesitation.

We have interactive Graphical User Interface which helps user to identify property in better way

<u>System Analysis</u>

   System analysis is the process of identification of objectives and requirements, evaluation of alternative solutions and recommendation for a more feasible solution. In other words, system analysis is the step by step process of gathering, recording and interpreting facts. The main aim of analysis is to determine problem areas and to take solutions to reduce or eliminate them.

   ✓ System analysis itself breaks into two stages:

   1. Preliminary analysis

   2. Detailed analysis

   During analysis, data are collected from the available files, decision points and transactions of the systems using various tools like Data Flow Diagram (DFD).

Feasibility **Study**

Apurpose of feasibility study is to check out the possibility of a computerized solution to the organization's observed problem before very much money that has been spent on.

A feasibility study is carried out to select the best system that meets performance requirements. Only by spending the time to evaluate the feasibility do I reduce the chances for extreme embarrassment at later stage of the system project.

For the complete feasibility study I need to concentrate on following area:

They are of Three types:

1. Technical
2. Operational
3. Economical

✓ Technical

Technical feasibility considers whether the desired project can be completed within the framework of available technology. As our project was website designing, this was not much of a problem, as many advanced web-editing tools are available.

✓ Operational

Operational feasibility was done to assure that the product that would be developed would be used. Since a cards and gifts has to have a website of its own sooner or later, that wasn't much of a problem.

✓ Economical

Our Commercial Website is Economically Feasible Because. We have developed this website only for one time. Only future enhancement is required on the other hand every client can view our site any time or many time as per their requirement. So the future economical expenses are null. So we can say that this website is totally economically feasible.

Project Page Structure

❖ Admin Side

```
                    ┌─────────────────────┐
                    │     E-Housing       │
                    └──────────┬──────────┘
                               │
                    ┌──────────▼──────────┐
                    │     Admin Side      │
                    └──────────┬──────────┘
                               │
```

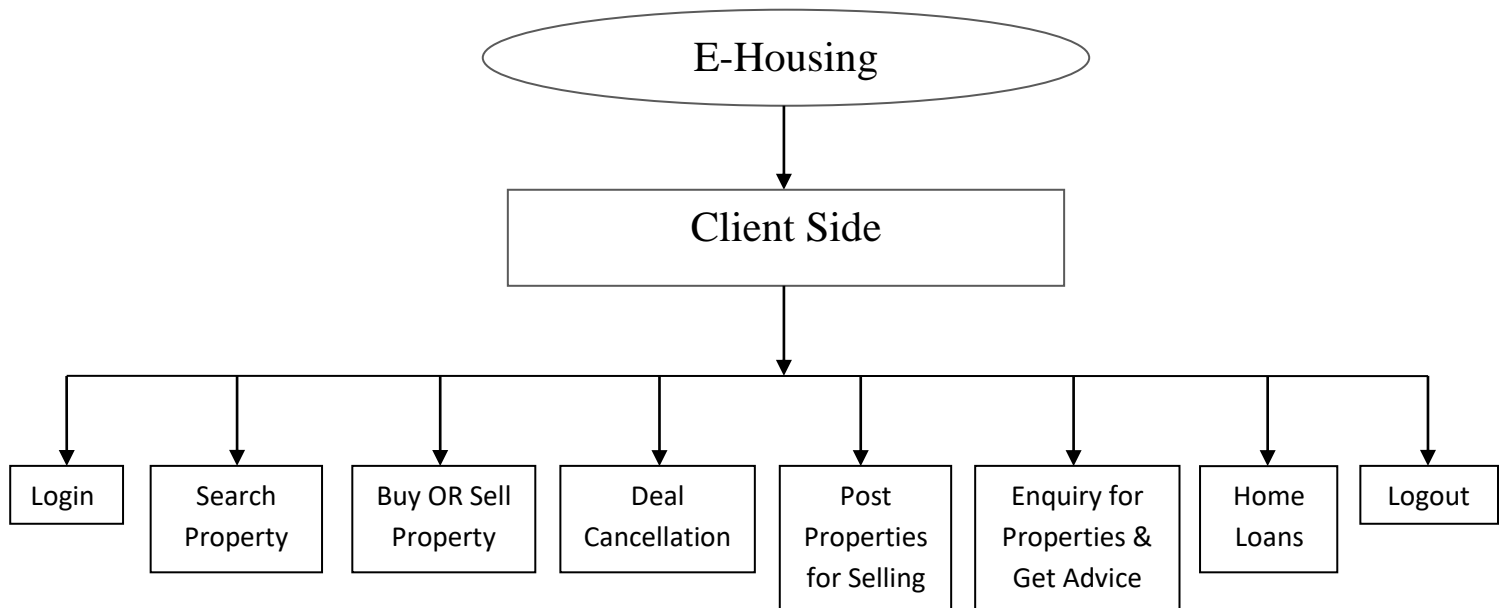| Login | Verify Client Registration | Vendor Registration | Manage Ads & Events | Managing Properties | Generate Offers | Add OR Remove & Manage Agents Builders | Logout |

❖ Client Side

```
                    ┌─────────────────────┐
                    │     E-Housing       │
                    └──────────┬──────────┘
                               │
                    ┌──────────▼──────────┐
                    │     Client Side     │
                    └──────────┬──────────┘
                               │
```

| Login | Search Property | Buy OR Sell Property | Deal Cancellation | Post Properties for Selling | Enquiry for Properties & Get Advice | Home Loans | Logout |
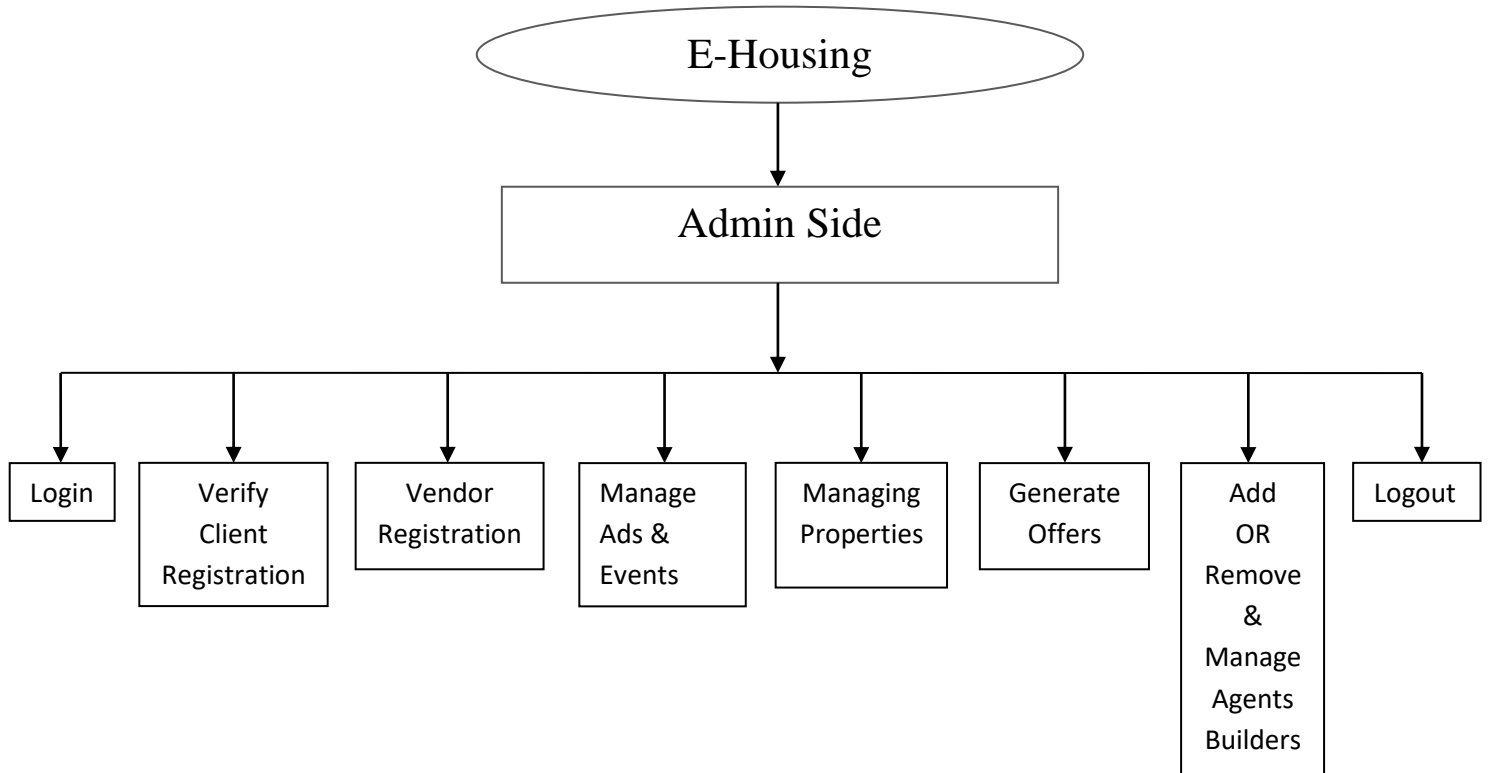
Data Dictionary

The data Dictionary is a set of tables. SQL uses it to maintain information about this own database.

➤ **Data dictionary contains the following information:**

✓ Name of the table of database.
✓ User information such as Privileges.
✓ Name and data type of all columns in database table.

Database Name: E-Housing.sql

Table Name: Postproperty_sell

Primary Key: sell_id

Description: To store the details of seller or agents.

Sr_No	Fields	Datatype	Description
1	Property_type	Varchar(50)	Residential or commercial property
2	City	Varchar(50)	User city name
3	Locality	Varchar(50)	Area of user
4	Address	Varchar(50)	Detailed address of User
5	Type_of_owners	varcharr(50)	No. of bedrooms
6	Ploat_area	Double(50)	Area of land

Table 1: **Postproperty_sell**

Table Name: Postproperty_rent

Primary Key: sell_id

Description: To store the details of the person who rent their property .

Sr_No	Fields	Datatype	Description
1	Property_type	Varchar(50)	Residential or commercial property
2	City	Varchar(50)	User city name
3	Locality	Varchar(50)	Area of user
4	Address	Varchar(50)	Detailed address of User
5	Bedrooms	Int(20)	No. of bedrooms
6	Furnished	Varchar(50)	Furnished or not
7	Age_of_construction	Double(20)	Describe the building age
8	Plot_area	Double(50)	Area of land
9	Monthly_rent	Double(20)	Rent per month

Table 2: **Postproperty_rent**

Table Name: Postrequirement_buy

Primary Key: login_id

Description: To store the details of the person for requirent of property.

Sr_No	Fields	Datatype	Description
1	Buyer_id	Int(20)	Id of buyer
2	State	Varchar(50)	State of buyer
3	Bedrooms	Int(20)	No . of bedrooms
4	Area	Double(20)	Area of land
5	Budget_min	Varchar(50)	Minimum amount of land
6	Budget_max	Varchar(50)	Maximum amount of land
7	Login_id	Int(20)	User login id

Table 3 :**Postrequirement_buy**

Table Name: Postrequirement_sell

Primary Key: login_id

Description: To store the details of the person for requirent of selling property.

| Sr_No	Fields	Datatype	Description
1	Property_type_	Varchar(50)	Residential or commercial property
2	City	Varchar(50)	User city name
3	Locality	Varchar(50)	Area of user
4	Address	Varchar(50)	Detailed address of User
5	Bedrooms	Int(20)	No. of bedrooms
6	Bathrooms	Int(20)	No. of bathrooms
7	Login_id	Int(20)	User login id

Table 4: **Postrequirement_sell**

Data Flow Diagram

The data flow diagrams (DFD) gives idea on how the designed system is working it is suggest to us the type of users who using this system and the process involved in this system.
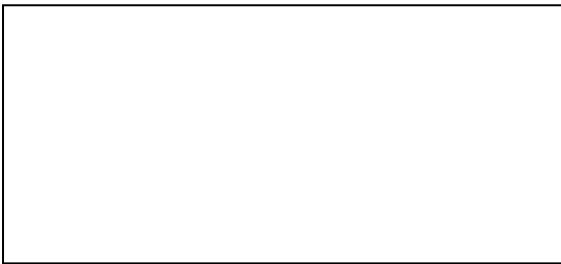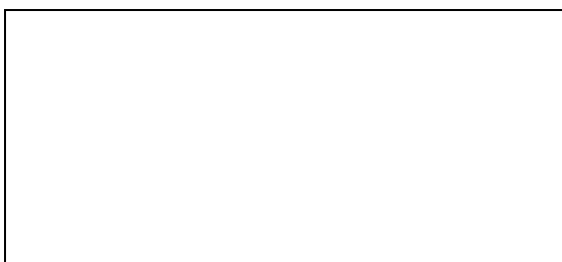
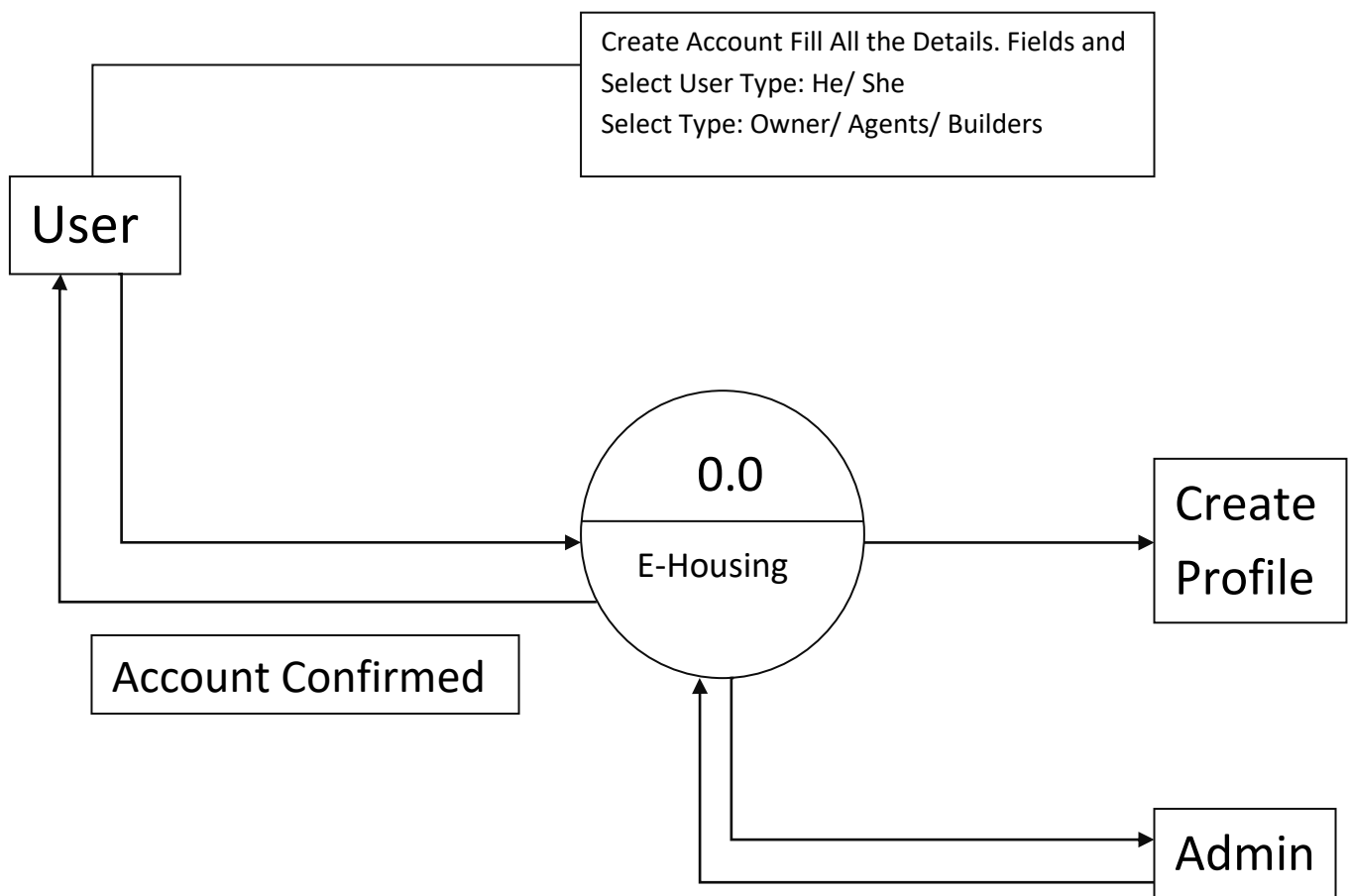**Represent Entity**
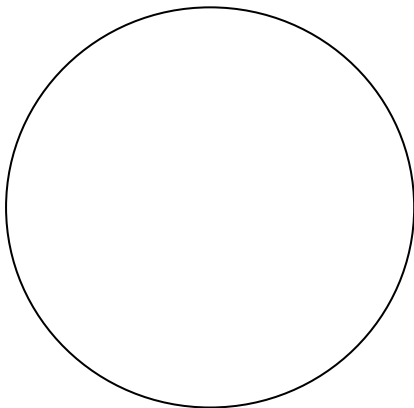
Represent A system Processing

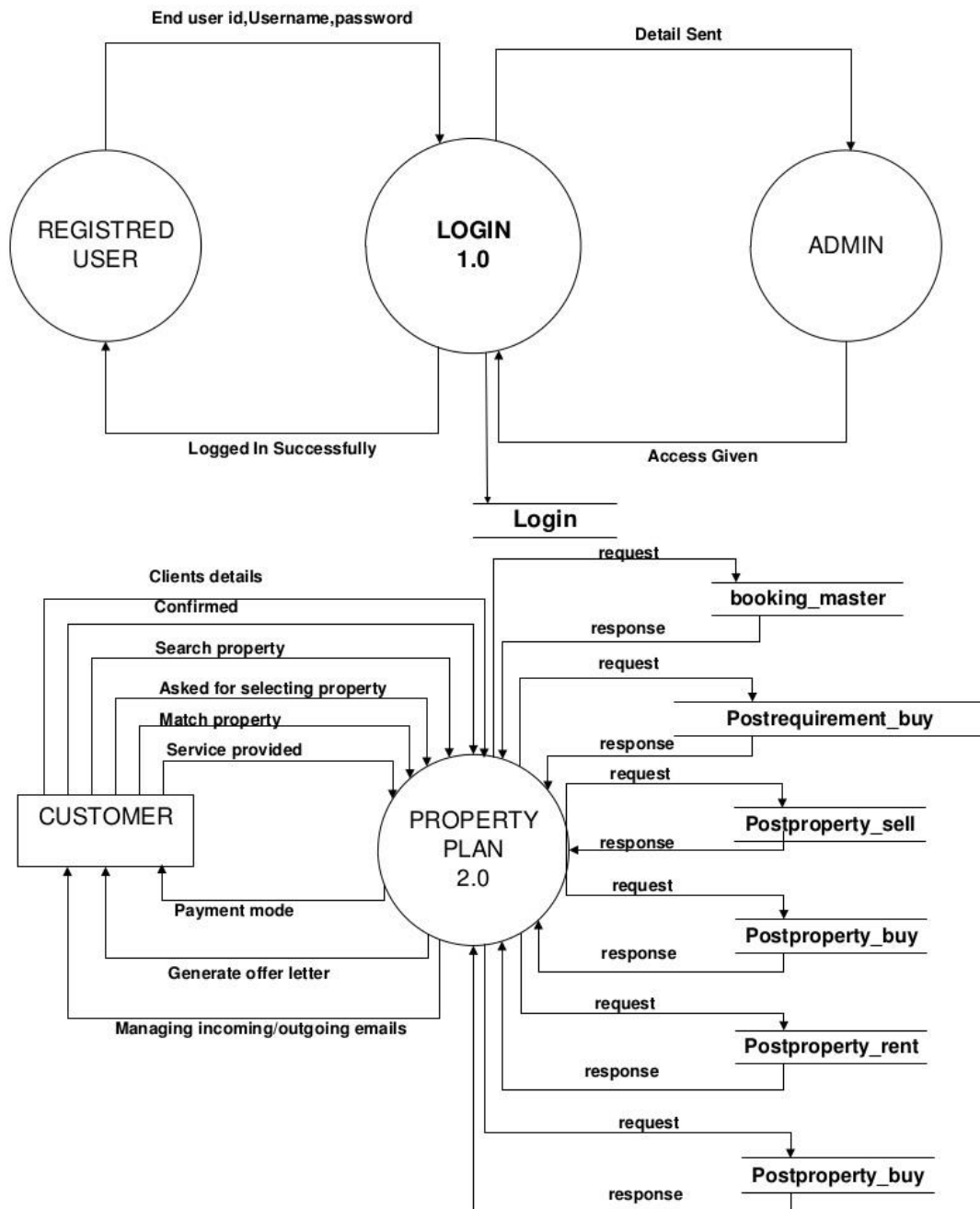**Represent A Data Flow**

Represent A store table

Context level Diagram

Create Account Fill All the Details. Fields and
Select User Type: He/ She
Select Type: Owner/ Agents/ Builders

User

0.0

E-Housing

Create Profile

Account Confirmed

Admin

1ˢᵗLevel Diagram

End user id,Username,password

Detail Sent

REGISTRED USER

LOGIN 1.0

ADMIN

Logged In Successfully

Access Given

Login

request

booking_master

response

request

Postrequirement_buy

response

request

Postproperty_sell

response

request

Postproperty_buy

response

request

Postproperty_rent

response

request

Postproperty_buy

response

Clients details

Confirmed

Search property

Asked for selecting property

Match property

Service provided

CUSTOMER

PROPERTY PLAN 2.0

Payment mode

Generate offer letter

Managing incoming/outgoing emails

Er-Diagram

Use Case Diagram

Logon

Verify Client Registration

Vendor Registration

Manage Ads & Events

Managing Properties

Generate Offers

Add OR Remove & Manage Agents Builders

Buy OR Sell Properties

Search Properties

Deal Cancellation

Post Properties for Selling

Enquiry for Properties & Get Advice& Get

Home Loans

Logout
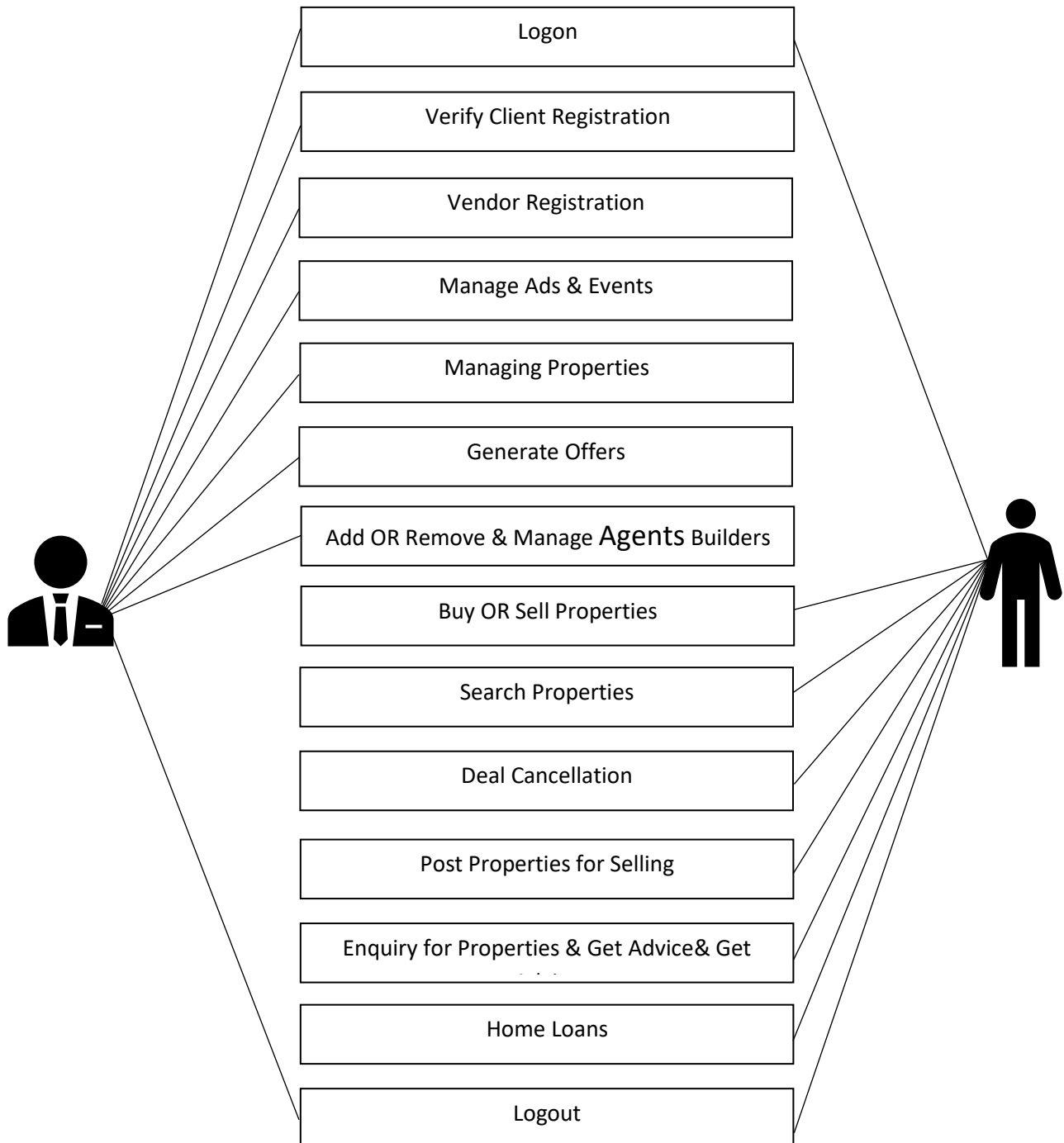
Activity Diagram

Admin side

Login

Check Id?
& Password

Valid

Invalid

| Login | Verify Client Registration | Vendor Registration | Manage Ads & Events | Managing Properties | Generate Offers | Add OR Remove & Manage Agents Builders | Logout |
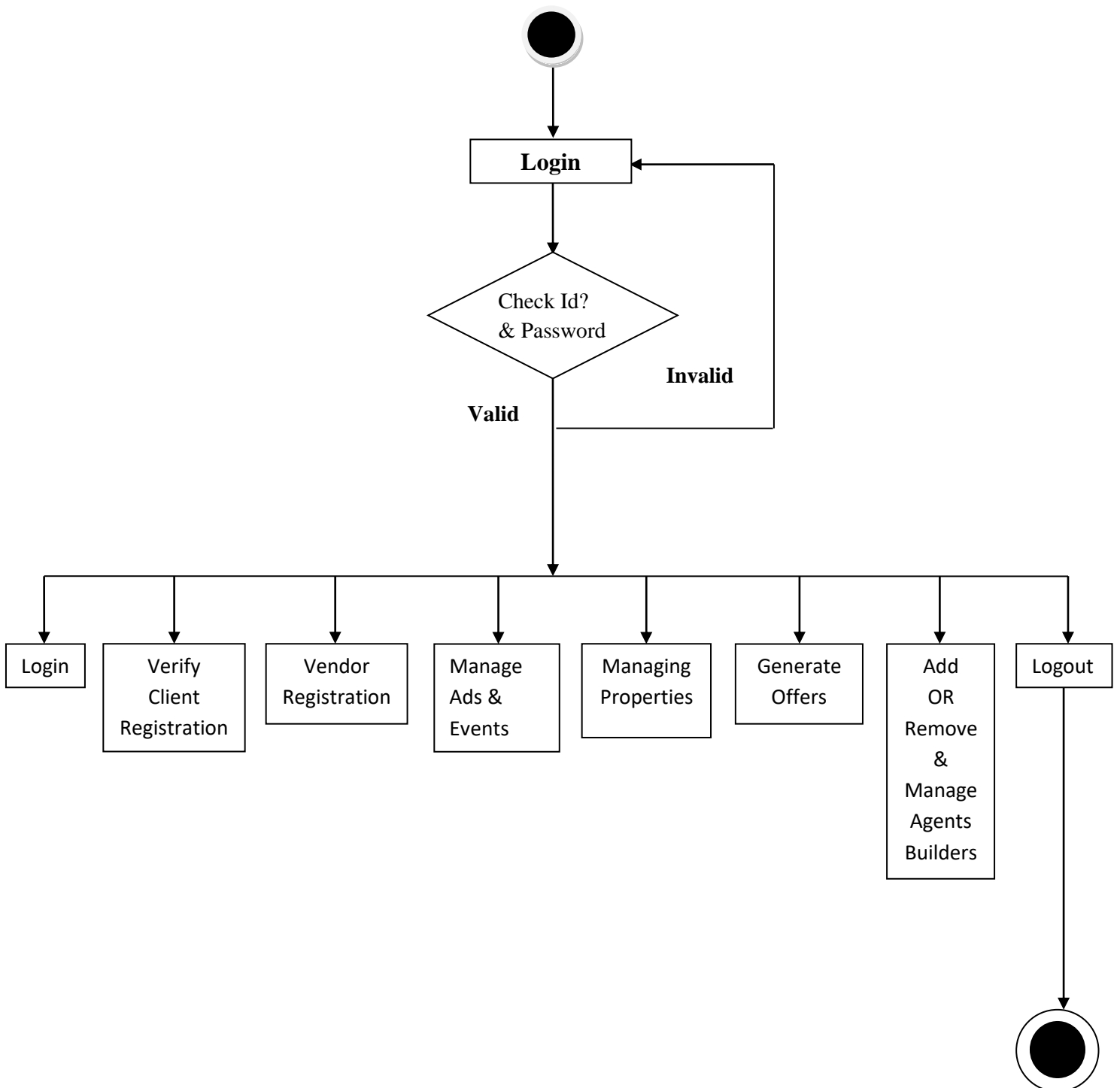
Activity Diagram

Client side

```
                    ( ● )
                      │
                      ▼
                  ┌─────────┐
                  │  Login  │◄──────────────┐
                  └─────────┘               │
                      │                     │
                      ▼                     │
                   ╱────────╲               │
                  ╱ Check Id? ╲             │
                 ╱ & Password  ╲   Invalid  │
                 ╲             ╱────────────┘
                  ╲           ╱
                   ╲─────────╱
              Valid    │
                       ▼
```

| Login | Search Property | Buy OR Sell Property | Deal Cancellation | Post Properties for Selling | Enquiry for Properties & Get Advice | Home Loans | Logout |
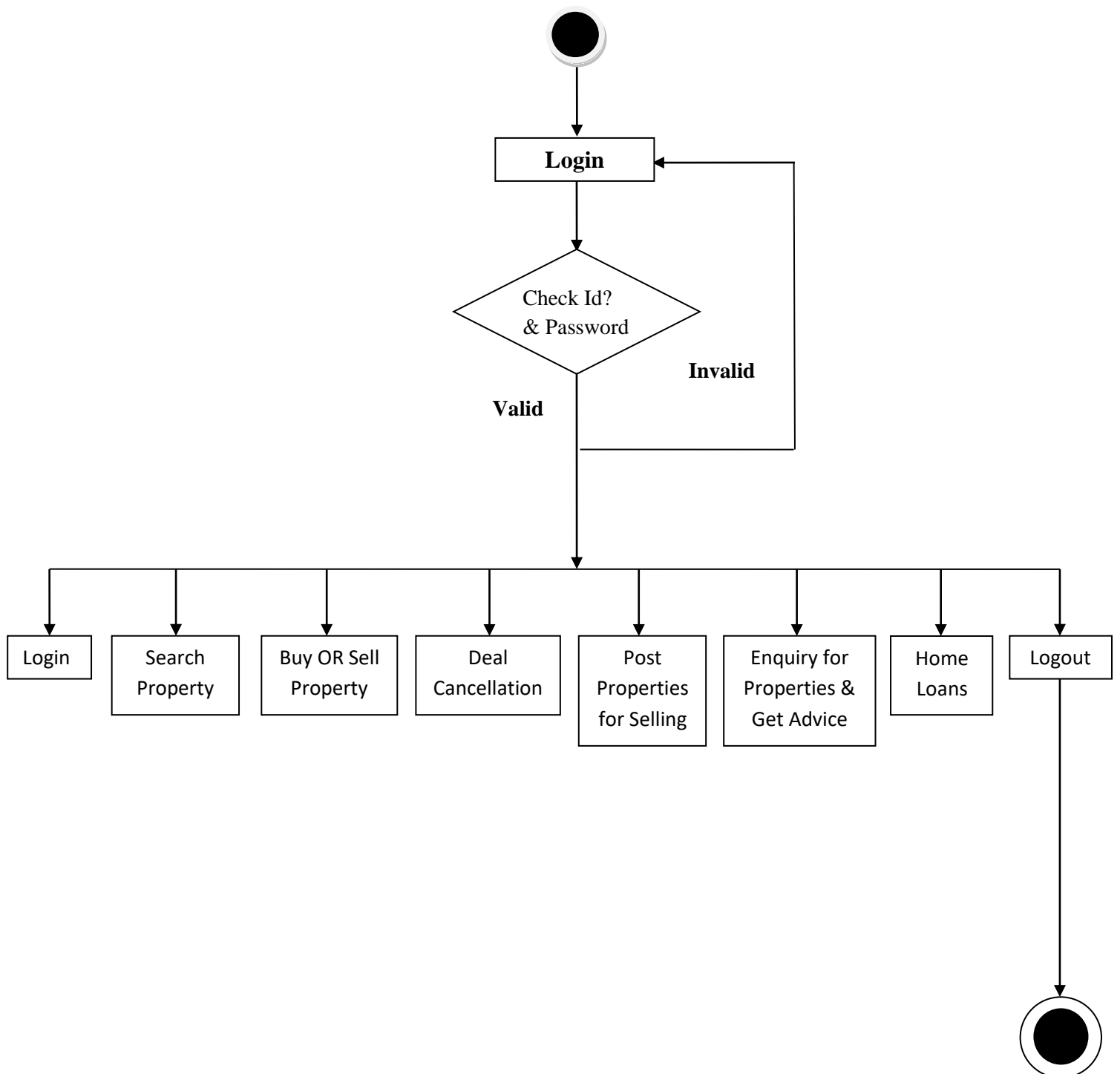
Screenshot

Home Page

Real Estate

Real Estate

- Home
- Registration
- Search
- About us
- Update Info
- Contact us

Wel come To Real Estate website !

Registration

User name	
Password	
Conform-Pass	
First Name	
Last Name	
Gender	○ Male ○ Female
Address	
State	gujrat ▾
City	ahemdabad ▾
Pincode	
phone_No	
Email_Id	
Account	Owner ▾
Submit	reset

Sign up page

Real Estate

- Home
- Registration
- Search
- About us
- Update Info
- Contact us

Login

Wel come To Real Estate WebSide!

| User Name | |
| Password | |
| login |

New User

Login page

Search page

Admin side Login Page

Real Estate Management System

Admin Login

User Name	Admin
Password	*****
Select	-- Select Role --

🔒 Login   ✖ Cancel

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Future Scope

We will be adding new features to our site that will suit people; we will try to give as much support as possible to our people through our site. We will continue our efforts to make our site the best it can be.

Bibliography

www.google.com