



# INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE DEVELOPMENT AKURDI, PUNE

## SRS Document

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**Project Title:** Property Finder Application

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## 1. Introduction

This document explains the system requirements and scope for developing **Property Finder Application**.

This is a basic system that will keep record of housing properties available on rent or for sale and will work as connecting bridge between Buyers/Users and property sellers.

Due to this system there is no need to visit various places in search of desired property. The information of various properties in various locations can be accessible at one place.

This system will provide a platform to post Properties for sale or rent. This will keep record of Apartments or flats, bungalows and villas available for sale or on rent with their rates and other details and make this available to customers. Also will show contact details of property owner upon login of the user.

**Property Finder Application** could divide the four main parts, Owner part, User part, Admin part and the Property part.

This document describes the system requirement of the Account part.

### **Purpose:**

The purpose of this web application is to create a functional website for people to be able to buy, sell, and rent properties. Users of this website will be able to create an account which helps them in order to Buy, Rent and Sell Properties to others. User can navigate through different categories of properties as per their choice. Wish List functionality will be built in to allow users to save the favourite property.

### **System Requirements :**

#### 1. Database Requirement :

We need to use Mysql as a database in our System. There are no any legal requirements involved in this system.

#### 2. Software Requirements :

STS Tool Suite  
VS Code  
Mysql Workbench

#### 3. Technologies Used :

Backend : Java(Spring Boot) , Mysql  
FrontEnd : React Js

#### 4. Hardware Requirements :

Windows 7 or above  
  
2 GB Ram Required (minimum)  
500 GB HDD  
Processor Dual core or above

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## 2. Functional Requirements

The Account part of e-Farming System has three modules which are divided 13 processes described as below.

No	BRS require ment ID	Description
<b>2.1</b>	<b>Owner Module</b>	
<b>2.1.1</b>	<b>F1</b>	<b>Account Creation Process</b>
<b>2.1.2</b>	<b>F2</b>	<b>Login Process</b>
<b>2.1.3</b>	<b>F3</b>	<b>Update Account Process</b>
<b>2.1.4</b>	<b>F4</b>	<b>Search Property</b>
<b>2.1.5</b>	<b>F5</b>	<b>Publish Property for Sale/Rent</b>
<b>2.1.6</b>	<b>F6</b>	<b>Update Property Information</b>
<b>2.1.7</b>	<b>F7</b>	<b>Delete Property</b>
<b>2.2</b>	<b>User Module</b>	
<b>2.2.1</b>	<b>F8</b>	<b>Account Creation Process</b>
<b>2.2.2</b>	<b>F9</b>	<b>Login Process</b>
<b>2.2.3</b>	<b>F10</b>	<b>Update Account Process</b>
<b>2.2.4</b>	<b>F11</b>	<b>Search Property</b>
<b>2.2.5</b>	<b>F12</b>	<b>Buy/Rent Property</b>
<b>2.3</b>	<b>Admin Module</b>	
<b>2.3.1</b>	<b>F14</b>	<b>Login Process</b>
<b>2.3.2</b>	<b>F15</b>	<b>Manage All Users.</b>
<b>2.3.3</b>	<b>F16</b>	<b>Manage All Owners.</b>
<b>2.3.4</b>	<b>F17</b>	<b>Manage All Properties.</b>
<b>2.4</b>	<b>Property Management Module</b>	

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## 2.1 Owner Module

- Owner is the user of system who wants to Sell/Rent the **Property**.
- He is also able to view the other Properties available on website.

### 2.1.1 Account Creation Process

- **Property Finder Application** compels to create the account for Posting any property on it. So, **Property Finder Application** should provide the function which makes owner creates new account.
- When owner creates new account, the function demands four information described as below.
- The Login information  
The Login information consists of some items described as below.

1. Owner Name
2. Mobile Number
3. Email Id
4. Password
5. Address

➤ All items are compulsory demanded.

➤ Owner Name  
✓ Owner should enter his full name.

➤ Password  
✓ The Password has constrains which makes the Password consists of more than or equal 6 and less than or equal 20 characteristics including characters described as below.

➤ Email ID  
✓ Email ID should be Unique. if Email ID corresponds to other which previously registered the Owner Should not be registered.

➤ Mobile Number  
✓ Mobile Number should be Unique. if Mobile Number corresponds to other which previously registered the Owner Should not be registered.

➤ Address

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- ✓ Address should be valid Indian Address. Along with area name.

### **2.1.2 Login Process**

- **Property Finder Application** always compels user authentication before using itself except when a new account is successfully created.
- The owner authentication demands Email and Password. The Email and the Password should be checked in a way.
  - First, The email id and the Password should be existed and correct.
    - ✓ If The email id and the Password are not equal to what the user has registered, the user authentication cannot be provided.

### **2.1.3 Update Account Process**

- Property Finder Application should provide the function which makes the account updated for Owner.
- The information Owner could update is described below.
  1. Login information
    - 1.1 Owner Name
    - 1.2 Owner Mobile
    - 1.3 Owner Password
    - 1.4 Owner Address

### **2.1.4 Search product**

- Search conditions are described as below.
  1. Property category(Rent/Sell)
  2. City
  3. Property Type

### **2.1.5 Post/Publish Property**

- Owner can publish any number of properties through post property feature.
- For publishing property all the details should be filled.

### **2.1.6 Update Property information**

- All Property Details can be updated.

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### 2.1.7 Delete Property information

- After publishing if Owner wants to remove some property then he can delete the property.

## 2.2 User Module

- User is the user of system who wants to Buy/Rent the **Property**.

### 2.2.1 Account Creation Process

- **Property Finder Application** compels to create the account for Posting any property on it. So, **Property Finder Application** should provide the function which makes user creates new account.
- When user creates new account, the function demands four information described as below.
- The Login information  
The Login information consists of some items described as below.

1. User Name
2. Mobile Number
3. Email Id
4. Password

- All items are compulsory demanded.
- User Name
  - ✓ user should enter his full name.
- Password
  - ✓ The Password has constraints which makes the Password consists of more than or equal 6 and less than or equal 20 characteristics including characters described as below.
- Email ID
  - ✓ Email ID should be Unique. if Email ID corresponds to other which previously registered the Owner Should not be registered.
- Mobile Number
  - ✓ Mobile Number should be Unique. if Mobile Number corresponds to other which previously registered the user Should not be registered.

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### 2.2.2 Login Process

- **Property Finder Application** always compels user authentication before using itself except when a new account is successfully created.
- The user authentication demands Email and Password. The Email and the Password should be checked in a way.
  - First, The email Id and the Password should be existed and correct.
    - ✓ If The email id and the Password are not equal to what the user has registered, the user authentication cannot be provided.
    - ✓

### 2.2.3 Update Account Process

- Property Finder Application should provide the function which makes the account updated for User.
- The information User could update is described below.
  - Login information
    - User Name
    - User Mobile
    - User Password

### 2.2.4 Search product

- Search conditions are described as below.
  4. Property category(Rent/Sell)
  5. City
  6. Property Type

### 2.2.5 Buy/Rent Property

- User can see all the properties and contact owner for buying/renting a property.



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## **2.3 Admin Module**

- Administrator should be responsible for following activities,

### **2.3.1 Login Process**

- Admin can Login using given credentials to him.

### **2.3.2 Manage All Users**

- Admin can view list of all users registered on the application
- Admin can also delete user.

### **2.3.3 Manage All Owners**

- Admin can view list of all owners registered on the application
- Admin can also delete owner.

### **2.3.4 Manage All Properties**

- Admin can view list of all properties registered on the application
- Admin can also delete any property.

## 2.4 Use Case Diagram:



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### **3 Non-Fuctional Requirements :**

#### **1. Security Requirements :**

In Online Mode Security is core issue that must be considered.  
To avoid cyber attacks we need to provide a security solution  
Security can be provided by encryption and Secure socket layer.  
So that hacker cannot hack the database of the system and system should get secured.

#### **2. Availability :**

- The system will be available all the time except at downtime.
- Downtime will be every Saturday at 1.00 am to 2.00 am
- Alternate page should be displayed to user at the time of downtime

#### **3. Maintanability :**

System will not be shut down for more than once in 24hrs of period for maintainence.

#### **4. Portability :**

The System can be used on Windows , LinuxOs or Android.  
System is easy to port on any server.

#### **5. Performance :**

The System has adequate performance requirements.  
It does not take more than 10sec to load new page.

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