

## 1. Functional Requirements

### 1.1. Register Feature

ID	Requirement Description	
FR1	People can register and create an account to use the web application for listing the property.	
	S. Req.ID	System Requirement
	R1	User can should be able to view the register form.
	R2	Register form should validate the info given by the user
	R3	System should check is the entered phone number and email is unique to the application or not
	R4	Registration successful message should be shown to the user
	R5	If any error is found system shall notify the user with proper message

Table 1: Register Function Functional Requirements

## 1.2. Login Feature

ID	Requirement Description	
FR2	People can login into the web application after entering their username and password	
	S. Req.ID	System Requirement
	R1	The login form must be accessible from the home page of the application.
	R2	The login form must validate the email and password entered by the user.
	R3	The login form must allow the user to reset their password if they have forgotten it.
	R4	The login form must display an error message if the login attempt is unsuccessful.
	R5	User should be redirected to home page if the login is successful.

Table 2: Login Feature Functional Requirement

### 1.3. Property Listing Feature

ID	Requirement Description	
FR3	People can list their property for sell/lease after filling the form properly.	
	S. Req.ID	System Requirement
	R1	user interface is needed to allow users to navigate to the listing form from where it is most accessible like navbar.
	R2	User should be able to specify either to lease or to sell.
	R3	Listing form should contain almost all the description that is required before the listing.
	R4	User should be able to select the location of the property.
	R5	User should be able to upload image/video of the property.
	R6	Listing should disappear after the expiry time set by the user or default expiry time.
	R7	Form should have a submit button which validates the form and add the property to the database and listing page.
	R8	Proper Listing should be displayed to the user.
R9	In case error is detected user should be notified with proper message.	

Table 3: Property Listing feature functional requirement

#### 1.4. Map Location Feature

ID	Requirement Description	
FR4	User can view the location of property in map view on property description page.	
	S. Req.ID	System Requirement
	R1	User interface is needed to display the map on the property description page.
	R2	Map should show the location with a proper visible marker
	R3	System is required to enable interactivity on the map, such as the ability to zoom in or out and pan around

Table 4: Map Location Feature Functional Requirement

### 1.5. Show Nearby Schools and Hospitals Feature

ID	Requirement Description	
FR5	User can view the nearby schools and hospitals around the property listed.	
	S. Req.ID	System Requirement
	R1	User interface is needed to display the map that shows nearby schools and hospitals on the property description page.
	R2	System is required to enable interactivity on the map, such as the ability to zoom in or out and pan around
	R3	Multiple markers should be used to show the schools/hospitals

Table 5: Nearby schools/hospitals Functional Requirement

## 1.6. Advance Search Feature

ID	Requirement Description	
FR6	User can search the properties with advance filtering and sorting options.	
	S. Req.ID	System Requirement
	R1	A user interface is needed to search the property and an advance search form should be available to the user.
	R2	Search button should be present to search after selecting different search options
	R3	System should have multiple advance search options like price, rent, buy, etc.
	R4	System should properly show the results of search to the user in appealing way.

Table 6: Advance Search Feature Functional Requirement

## 1.7. Chat Feature

ID	Requirement Description	
FR7	User buyer/seller can chat with each other and inquire about properties.	
	S. Req.ID	System Requirement
	R1	A user interface is needed to direct the user to the chat feature like an icon in navbar and chat button in property description page.
	R2	Users should be able to send and receive message.
	R3	System should have a proper user interface so show the list of previous chats with other user and to start a new conversation
	R4	System is required to support real-time messaging.

Table 7: Chat feature Functional requirement

## 1.8. Report Feature

ID	Requirement Description						
FR8	<p>User can report inappropriate listing from the property description page.</p> <table><tr><th>S. Req.ID</th><th>System Requirement</th></tr><tr><td>R1</td><td>A user interface is needed to allow users to report an inappropriate listing from the property description page, and a system is required to store the report in the database.</td></tr><tr><td>R3</td><td>System should send the reports made to the admin for the review of the report</td></tr></table>	S. Req.ID	System Requirement	R1	A user interface is needed to allow users to report an inappropriate listing from the property description page, and a system is required to store the report in the database.	R3	System should send the reports made to the admin for the review of the report
S. Req.ID	System Requirement						
R1	A user interface is needed to allow users to report an inappropriate listing from the property description page, and a system is required to store the report in the database.						
R3	System should send the reports made to the admin for the review of the report						

Table 8: Report feature functional requirement



## 1.9. Admin Review

ID	Requirement Description	
FR9	Admin can review the reports made by the user and take actions accordingly.	
	S. Req.ID	System Requirement
	R1	Admins should be able to view a list of reports, and a system is required to retrieve the list of reports from the database and display it on the page.
	R2	Admin Should be able to view the contents of reports.
	R3	Admin should be able to take necessary actions to the reports like blacklisting the user, warning the user, etc.
	R4	System should allow the admin to view the status of the report and change the status after reviewing.

Table 9: Admin review functional requirement

### 1.10. Expiry date of Ad

ID	Requirement Description	
FR10	Listings have the maximum expiry time period of 30 days.	
	S. Req.ID	System Requirement
	R1	System is required to set the maximum expiry date for each listing to 30 days from the time it was created.
	R2	System is required to check for listings that have reached their expiry date and remove them from the application.
	R3	A user interface is needed to allow users to repost their listings after the expiry date, and a system is required to verify the reposted listing before making it live on the application again.
	R4	User interface is needed to display the expiry date of a listing to the user who created it.

Table 10: Expiry time feature functional requirement

### 1.11. Ban User Feature

ID	Requirement Description	
FR11	Admin can ban the user if user violates some conditions more than once.	
	S. Req.ID	System Requirement
	R1	A user interface is needed to allow admins to initiate the banning process for admin.
	R2	System is required to prevent banned users from accessing the application.
	R3	Interface is needed to allow admins to view a list of banned users for admin.
	R4	Admins should be able to unban a user.

Table 11: Ban user functional requirement

