Abdul Diyan (22L-6789)
Zaid Mushtaq (22L-6609)
Arsal Bin Manan (22L-6610)
Fareed ud Din (22L-6678)
Hassan Adil (22L-6543)

Spring 2025

User Registration				
Test Case ID:	*1*		**QA Test Engineer:**	*Name: Abdul Diyan*
Test Case Version:	*1*		**Reviewed by:**	*Name: Zaid Mushtaq*
Test Date:	*25-04-2025*		**Use Case Reference(s):**	*User Account Management*
Revision History:	*27-04-2025*			
Objective:	*Ensure a user can register with a valid email and password.*			
Product/Ver/Module:	*RealEstate Hub / Authentication Module*			
Environment:	*Web application on development server*			
Assumptions:	*User is accessing a secure connection.*			
Pre-Requisite:	*User has not registered previously.*			

Step No.	Execution description	Procedure result
1	*Navigate to the registration page.*	*Page loads successfully.*
2	*Enter a valid email and password.*	*Input accepted.*
3	*Click the "Register" button.*	*Users are created and redirected.*
Comments	Registration form is responsive, and validation works.	
Passed ■ *Failed* ☐ *Not Executed* ☐		

User Login				
Test Case ID:	*2*		**QA Test Engineer:**	*Name: Abdul Diyan*
Test Case Version:	*1*		**Reviewed by:**	*Name: Zaid Mushtaq*
Test Date:	*25-04-2025*		**Use Case Reference(s):**	*User Authentication*
Revision History:	*None*			
Objective:	*Verify login functionality for existing users.*			
Product/Ver/Module:	*RealEstate Hub / Authentication*			
Environment:	*Chrome Browser, Version 123+*			
Assumptions:	*Account already exists.*			
Pre-Requisite:	*User must be registered.*			
Step No.	**Execution description**		**Procedure result**	
1	*Navigate to login page*		*Page displayed correctly.*	
2	*Enter correct email and password*		*Fields validate input.*	
3	*Click login*		*User is logged in and redirected to dashboard.*	
Comments	Login success message and redirect confirmed.			
Passed ■ *Failed* ☐ *Not Executed* ☐				

Create Property Listing			
Test Case ID:	*3*	**QA Test Engineer:**	*Name: Abdul Diyan*
Test Case Version:	*1*	**Reviewed by:**	*Name: Zaid Mushtaq*
Test Date:	*25-04-2025*	**Use Case Reference(s):**	*Create Property Listing*
Revision History:	*None*		
Objective:	*Confirm sellers can create new listings.*		
Product/Ver/Module:	*Listing Module*		
Environment:	*Web app on local server*		
Assumptions:	*Seller is logged in and has necessary permissions.*		
Pre-Requisite:	*Seller account must be verified and logged in.*		

Step No.	Execution description	Procedure result
1	*Navigate to "Create Listing" page*	*Page loads correctly.*
2	*Fill in property details and upload image*	*Form accepts data.*
3	*Submit the form.*	*Listing appears in dashboard.*

Comments	Backend saved listing successfully.

Passed 🟩   *Failed* ☐   *Not Executed* ☐

Search Property				
Test Case ID:	*4*		**QA Test Engineer:**	*Name: Abdul Diyan*
Test Case Version:	*1*		**Reviewed by:**	*Name: Zaid Mushtaq*
Test Date:	*25-04-2025*		**Use Case Reference(s):**	*Property Search*
Revision History:	*None*			
Objective:	*Ensure buyers can search by keyword.*			
Product/Ver/Module:	*Search Engine*			
Environment:	*RealEstate Hub frontend on localhost*			
Assumptions:	*Listings exist matching the keywords.*			
Pre-Requisite:	*At least one property is listed.*			
Step No.	**Execution description**		**Procedure result**	
1	*Enter keyword in search*		*Input captured*	
2	*Click on search*		*Results load correctly.*	
Comments	Filters matched expected properties.			
Passed ■ *Failed* ☐ *Not Executed* ☐				

Filter Properties			
Test Case ID:	*5*	**QA Test Engineer:**	*Abdul Diyan*
Test Case Version:	*1*	**Reviewed by:**	*Zaid Mushtaq*
Test Date:	*15-04-2023*	**Use Case Reference(s):**	*Filter Properties*
Revision History:	*None*		
Objective:	*Ensure filtering works based on criteria.*		
Product/Ver/Module:	*Listing / Search Filter*		
Environment:	*Dev browser environment*		
Assumptions:	*Filter parameters exist in listed properties.*		
Pre-Requisite:	*Listings should be varied in price, location.*		

Step No.	Execution description	Procedure result
1	*Select filters*	*Dropdowns work fine.*
2	*Click apply*	*Results update correctly.*
Comments	Filtering logic handled range and exact match well.	

Passed 🟩   *Failed* ☐   *Not Executed* ☐

Send Direct Message			
Test Case ID:	*6*	**QA Test Engineer:**	*Zaid Mushtaq*
Test Case Version:	*1*	**Reviewed by:**	*Abdul Diyan*
Test Date:	*25-04-2025*	**Use Case Reference(s):**	*Messaging System*
Revision History:	*None*		
Objective:	*Test messaging between buyer and seller.*		
Product/Ver/Module:	*Messaging Module*		
Environment:	*React Chat UI over WebSocket*		
Assumptions:	*Both users are online and authenticated.*		
Pre-Requisite:	*Valid accounts logged in.*		

Step No.	Execution description	Procedure result
1	*Click seller profile*	*Navigated correctly.*
2	*Send Messages.*	*Displayed immediately.*
3	*Receive reply*	*Real-time update shown.*
Comments	Message system latency <1s; no crash observed.	

Passed 🟩   *Failed* ☐   *Not Executed* ☐

Upload 3D Model for VR			
Test Case ID:	*7*	**QA Test Engineer:**	*Zaid Mushtaq*
Test Case Version:	*1*	**Reviewed by:**	*Abdul Diyan*
Test Date:	*25-04-2025*	**Use Case Reference(s):**	*Premium Listing of VR Feature*
Revision History:	*None*		
Objective:	*Ensure 3D model upload works for premium listings.*		
Product/Ver/Module:	*VR Integration*		
Environment:	*Web app + WebGL viewer*		
Assumptions:	*Seller has premium status.*		
Pre-Requisite:	*Existing premium property listing.*		

Step No.	Execution description	Procedure result
1	*Navigate to edit page*	*Loaded successfully.*
2	*Upload .glb file*	*Upload successful.*
3	*Save changes*	*Model displays in 3D viewer.*
Comments	No rendering issues; fallback image works.	
Passed ▣ *Failed* ☐ *Not Executed* ☐		

AI Property Recommendation			
Test Case ID:	*8*	**QA Test Engineer:**	*Zaid Mushtaq*
Test Case Version:	*1*	**Reviewed by:**	*Abdul Diyan*
Test Date:	*25-04-2025*	**Use Case Reference(s):**	*Recommendation Engine*
Revision History:	*None*		
Objective:	*Check if AI recommends based on user behavior.*		
Product/Ver/Module:	*AI Suggestion Engine*		
Environment:	*Backend + Personalized Dashboard*		
Assumptions:	*AI model is trained and integrated.*		
Pre-Requisite:	*Users have interacted with listings.*		
Step No.	**Execution description**		**Procedure result**
1	*View multiple listings*		*Activity recorded.*
2	*Return to dashboard*		*Personalized cards appear.*
Comments	Recommendations matched user interest profile.		
Passed 🟩 *Failed* ☐ *Not Executed* ☐			