Islamabad Hills Property Management

Salesforce Project Portfolio - By Abid Ullah

About Me

I am a Salesforce Developer with hands-on expertise in Apex, Lightning Web Components (LWC), and Salesforce integrations. This Property Management project demonstrates my ability to design scalable solutions using clean UI, asynchronous processing, and secure API callouts.

I enjoy solving real-world business problems with custom development, automation, and integration between systems - all while following best practices.

Project Overview

The Islamabad Hills Property Management app helps manage rental properties, tenants, and contracts. It includes property filtering, availability checks, dynamic modals, contract creation, tenant handling, external API integration, and automation of contract expiry notifications.

Custom Objects and Fields

- Property__c:

  - Active__c (Checkbox)

  - Address__c (Text Area)

  - Rent_Amount__c (Currency)

  - Status__c (Picklist)

  - Type__c (Picklist)

  - Unique_Id__c (Text 16)

- Tenant__c:

  - Tenant_Name__c (Text)

  - Email__c (Email Unique)

  - Emirates_ID_Number__c (Text 16, Unique Case Insensitive)

- Phone_Number__c (Phone)

- Address__c (Text Area)

- Rental_Contract__c:

  - Contract_Status__c (Picklist)

  - Ejari_Number__c (Text 16, Unique)

  - Monthly_Rent__c (Currency)

  - Start_Date__c, End_Date__c (Date)

  - Property__c (Lookup to Property)

  - Tenant__c (Lookup to Tenant)

  - Verification_Date__c (Date)

Business Process & Relationships

The Rental_Contract__c object is linked to both Property__c and Tenant__c via lookup relationships.

- User filters available properties by type or rent amount.

- Availability check is triggered via API call to second Salesforce org.

- If available, 'Rent Out' is enabled and a modal is shown.

- Tenant is searched or created from modal.

- Contract is saved and pushed to second org where property is marked occupied and Ejari is generated.

- Email is sent to tenant with Ejari number.

- Scheduler + Queueable Apex monitor expiry and notify tenants automatically.

Screenshots

🏠 IHPM - Properties Available for Rent

Use the filters to search and manage your property listings

Filter Properties

Property Type

All

Max Rent Amount
0-200000

200,000

Up to AED 200000

Name	Type	Address	Rent	Status	Action	Action
Property 1	Villa	Block 1, Dubai	2500	Available	Check Availability	Rent Out
Property 2	Apartment	Block 2, Dubai	3000	Available	Check Availability	Rent Out
Tenant	Apartment	abc	1000	Available	Check Availability	Rent Out
Test Property 13	Villa	Test Address 13, Dubai	2300	Available	Check Availability	Rent Out
Test Property 14	Studio	Test Address 14, Dubai	2400	Available	Check Availability	Rent Out
Test Property 15	Apartment	Test Address 15, Dubai	2500	Available	Check Availability	Rent Out

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Use the filters to search and manage your property listings

Filter Properties

Property Type

All	▼

| ✓ All |
| Studio |
| Apartment |
| 1 Bedroom |
| 2 Bedroom |
| Villa |

Name ▾	Type ▾	Address ▾	Rent ▾	Status ▾	Action	Action
Property 1	Villa	Block 1, Dubai	2500	Available	Check Availability	Rent Out
Property 2	Apartment	Block 2, Dubai	3000	Available	Check Availability	Rent Out
Tenant	Apartment	abc	1000	Available	Check Availability	Rent Out
Test Property 13	Villa	Test Address 13, Dubai	2300	Available	Check Availability	Rent Out
Test Property 14	Studio	Test Address 14, Dubai	2400	Available	Check Availability	Rent Out
Test Property 15	Apartment	Test Address 15, Dubai	2500	Available	Check Availability	Rent Out

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Property Type

All	▼

| ✓ All |
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Name ▾	Type ▾	Address ▾	Rent ▾	Status ▾	Action	Action

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Name	Type	Address	Rent	Status	Action	Action

Rent This Property

Property Name: Test Property 13
Type: Villa
Rent Amount: 2300

Search Tenant

Type to search existing tenants

+ Create New Tenant

*Start Date

*End Date

Cancel   Create Contract

New Tenant

Information

* Tenant Name

Complete this field.

Owner

Abid Ullah

* Email

* Phone Number

Address

* Emirates ID Number

Cancel   Save & New   Save

Rent This Property

Property Name: Test Property 13
Type: Villa
Rent Amount: 2300

Search Tenant

Type to search existing tenants

+ Create New Tenant

* Start Date

▦

* End Date

▦

Cancel   Create Contract

Rent This Property

Property Name: Test Property 13
Type: Villa
Rent Amount: 2300

Search Tenant

Asif

+ Create New Tenant

*Start Date

Apr 24, 2025   📅

*End Date

Apr 9, 2025   📅

Cancel   **Create Contract**

Service Request

Created By	Lookup(User)
Last Modified By	Lookup(User)
Owner	Lookup(User+!)
Property	Lookup(Property)
Request Date	Date
Request Description	Long Text Area(32768)
Service Request Name	Text(80)
Status	Picklist

Rental Contract

Contract Status	Picklist
Created By	Lookup(User)
Ejari Number	Text(16) (Unique Case Insensitive)
Ejari Verification Status	Picklist
End Date	Date
Last Modified By	Lookup(User)
Monthly Rent	Currency(16, 2)
Owner	Lookup(User+!)
Property	Lookup(Property)
Rental Contract Name	Auto Numb
Start Date	Date
Tenant	Lookup(Tenant)
Verification Date	Date

Property

Active	Checkbox
Address	Text Area(255)
Created By	Lookup(User)
Last Modified By	Lookup(User)
Owner	Lookup(User+!)
Property Name	Text(80)
Rent Amount	Currency(16, 2)
Status	Picklist
Type	Picklist
Unique Id	Text(16)

Tenant

Address	Text Area(255)
Created By	Lookup(User)
Email	Email (Unique)
Emirates ID Number	Text(16) (Unique Case Insensitive)
Last Modified By	Lookup(User)
Owner	Lookup(User+!)
Phone Number	Phone
Tenant Name	Text(80)

Integration Errors
All ⌄ 📌

New | Import | Change Owner | Printable View | Assign Label

6 items • Sorted by Integration Error Name • Filtered by All integration errors • Updated a few seconds ago

	Integration Error N... ↑ ⌄	Error Message ⌄	Error Type ⌄	Context Info ⌄	Occurred At ⌄	Status ... ⌄	Related Record Id ⌄	
1	a04gL0000053anJ	Divide by 0	Callout	RentalContractTriggerHandler.sendToEjariSystem	4/22/2025, 2:03 AM	500	a02gL000000viNhQAI	▾
2	a04gL0000053bg5	Divide by 0	Callout	RentalContractController.checkAvailability	4/22/2025, 1:58 AM	500		▾
3	a04gL00000562x7	Argument cannot be null.	Callout	RentalContractController.checkAvailability	4/24/2025, 1:42 AM	500		▾
4	a04gL00000562yj	Argument cannot be null.	Callout	RentalContractController.checkAvailability	4/24/2025, 1:42 AM	500		▾
5	a04gL000005630L	Argument cannot be null.	Callout	RentalContractController.checkAvailability	4/24/2025, 1:42 AM	500		▾
6	a04gL0000056Cmn	Argument cannot be null.	Callout	RentalContractController.checkAvailability	4/24/2025, 3:54 AM	500		▾

Links

- GitHub: https://github.com/Abid611

- LinkedIn: https://www.linkedin.com/in/abid-ullah611/