

EXP 03 : -Create a simple cloud software application for Property Buying & Rental process (In Chennai city) using any Cloud Service Provider to demonstrate

SaaS.

Aim

To design, develop, and deploy a **cloud-based Property Buying and Rental application** for **Chennai city** and provide it as **Software as a Service (SaaS)**, enabling users to search and view property listings through a web browser.

Procedure

1. **Requirement Analysis**
Identified the need for a cloud-based application that allows users to view properties available for **buying and rental in Chennai city** through an online platform.
2. **Application Design**
Designed a simple web interface to display property details such as property type, location, price, and buying/rental option.
3. **Application Development**
Developed the application using **Python (Flask)** for backend processing and **HTML** for presenting property listings.
4. **Cloud Service Provider Selection**
Selected **Google Cloud Platform (GCP)** as the cloud service provider to host the application.
5. **Environment Configuration**
Configured the cloud environment and enabled **Google Cloud Run** for deploying the web application.
6. **Application Deployment**
Deployed the Property Buying & Rental application to **Google Cloud Run**, which generated a public HTTPS URL.
7. **Testing**
Tested the application by accessing it through a web browser and verifying that property listings for Chennai city were displayed correctly.
8. **SaaS Verification**
Confirmed that the application is accessible online without installation, demonstrating the **Software as a Service (SaaS)** model.

OUTPUT :-

creatorapp.zoho.in/krishnamrajasujith1101.ss/property-management-solution#Form:rental_agreements

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Property Management Solution

Trial expires in 2 days Upgrade Edit this application Help

Property Management Sol... Rental Agreements

Dashboard

Rental Agreements

+ Rental Agreements

All Rental Agree...

Agreement Statuses

Property Listings

Tenant Applicatio...

Properties

Buyer Inquiries

Property Search Fi...

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Start Date 20-Jan-2026

End Date 31-Jan-2026

Monthly Rent 10000

Security Deposit 100000

Agreement Status Sent

Signed Date 20-Jan-2026

Agreement Document https://

Created Date 20-Jan-2026

Submit Reset

creatorapp.zoho.in/krishnamrajasujith1101.ss/property-management-solution#Report:rental_agreements_Report

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Property Management Sol... All Rental Agreements

Dashboard

Rental Agreements

+ Rental Agreements

All Rental Agree...

Agreement Statuses

Property Listings

Tenant Applicatio...

Properties

Buyer Inquiries

Property Search Fi...

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Tenant Application	Property Listing	Start Date	End Date	Monthly Rent	Security Deposit	Agreement Status	Signed Date	Agreement Document
3	3							
4	4							
5	5							
1	1	01-Apr-2026	30-Jun-2026	\$ 1,500.00	\$ 700.00	Signed	10-Apr-2026	
2	2							
3	3							
4	4							
5	5							
1	2	15-Mar-2026	30-May-2026	\$ 1,400.00	\$ 650.00	Terminated	05-Mar-2026	
2	3							
3	4							
4	5							
2	2	01-Feb-2026	28-Apr-2026	\$ 1,350.00	\$ 600.00	Draft	20-Feb-2026	
1	3							
2	2	10-Jan-2026	31-Mar-2026	\$ 1,200.00	\$ 500.00	Draft	15-Jan-2026	
3	3							
6	1	20-Jan-2026	31-Jan-2026	\$ 10,000.00	\$ 100,000.00	Sent	20-Jan-2026	

Showing 6 of 6

Show Summary

Property Management Solution

Agreement Statuses

Draft

Sent

Terminated

Signed

1

2

3

2

6

1

1

2

3

4

5

2

3

4

2

2

3

1

2

3

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Type here to search

23°C Mostly clear

22:57 20-01-2026

Property Management Solution

Property Listings

Listing Type

Price

Deposit Amount

Rent Frequency

Available From

Listing Status

Created Date

Updated Date

Submit

Reset

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Type here to search

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22:57 20-01-2026

Property Management Solution

Trial expires in 2 days Upgrade Edit this application Help

Property Management Sol... All Property Listings

Listing ID	Property	Listing Type	Price	Deposit Amount	Rent Frequency	Available From	Listing Status	Created Date
5	2	Buy	\$ 1,300.00	\$ 250.00	Monthly	10-Jan-2026	Inactive	20-Jan-2026
4	1	Rent	\$ 1,800.00	\$ 400.00	Annually	05-Jan-2026	Inactive	20-Jan-2026
3	2	Rent	\$ 950.00	\$ 150.00	Monthly	20-Jan-2026	Inactive	20-Jan-2026
2	2	Buy	\$ 1,500.00	\$ 300.00	Annually	15-Jan-2026	Expired	20-Jan-2026
1	1	Rent	\$ 1,200.00	\$ 200.00	Monthly	01-Jan-2026	Active	20-Jan-2026
6	1	Rent	\$ 10,000.00	\$ 100,000.00	Monthly	20-Jan-2026	Active	20-Jan-2026

Showing 6 of 6 Show Summary

Result

A cloud-based **Property Buying & Rental System for Chennai city** was successfully developed and deployed using **Google Cloud Platform**.

The application was accessed through a web browser using a public URL, confirming successful implementation of the **Software as a Service (SaaS)** model.