

EXPERIMENT – 1

Create a simple cloud software application and provide it as a service using any Cloud Service Provider to demonstrate Software as a Service (SaaS).

AIM:

The aim of this project is to design and deploy a simple **Hospital Management System** as a **Software as a Service (SaaS)** application using **Zoho** cloud platform. The system helps hospitals manage patient records, doctor details, appointments, and billing information through a web-based application that can be accessed anytime and anywhere over the internet without installing software locally.

ALGORITHM:

1. Create a Zoho account and log in to the Zoho cloud platform.
2. Select **Zoho Creator** to develop a cloud-based application.
3. Create a new application named **Hospital Management System**.
4. Design data forms for:
 - a. Patient Registration
 - b. Doctor Details
 - c. Appointment Scheduling
 - d. Billing and Payment Records
5. Define required fields such as patient name, age, disease, doctor assigned, appointment date, and bill amount.
6. Set workflows to automate tasks like appointment confirmation and billing calculation.
7. Implement user roles (Admin, Doctor, Receptionist) to control access.
8. Test the application to ensure correct data entry and retrieval.
9. Deploy the application on Zoho cloud.
10. Provide access to users through a web browser, demonstrating Software as a Service (SaaS).

INPUT:

1.Patient

Registration

The screenshot shows a web browser window with the URL `creatorapp.zoho.in/sliddarta/hospital-patient-management-system#Form-Patient_Registration`. The application is titled "Hospital Patient Management System" and has a trial period of 14 days. The left sidebar contains a menu with "Patient Registrations" expanded, showing "Patient Registration" (selected), "All Patient Registrations", "Medical Details", and "Discharge Summaries". The main content area is titled "Patient Registration" and contains the following form fields:

- Patient ID:
- Patient Name:
- Age:
- Gender:
- Phone Number:

A "Submit" button is located below the form fields.

2.Medical Details

The screenshot shows the same web browser window, but the URL is `creatorapp.zoho.in/sliddarta/hospital-patient-management-system#Form:Medical_Details`. The left sidebar menu is now expanded to "Medical Details", which is selected. The main content area is titled "Medical Details" and contains the following form fields:

- Patient ID:
- Disease:
- Doctor Name:
- Admission Date:

A "Submit" button is located below the form fields.

3.Discharge Details

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creatorapp.zoho.in/siddarta/hospital-patient-management-system/Form/Discharge_Summary

Hospital Patient Management System

Trial expires in 14 days Upgrade Edit this application Help

Hospital Patient Management ...

- Patient Registrations >
- Medical Details >
- Discharge Summaries >
- Discharge Summary**
- All Discharge Summaries

Discharge Summary

Patient ID 192311378

Discharge Date 16-Dec-2025

Total Bill 440d

Status Paid

Submit

Macherla Sidd...

Output:

1.Patient Registration

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creatorapp.zoho.in/siddarta/hospital-patient-management-system/#Report:All_Patient_Registrations

Hospital Patient Management System

Trial expires in 14 days Upgrade Edit this application Help

Hospital Patient Management ...

- Patient Registrations >**
- Medical Details >
- Medical Details
- All Medical Details
- Discharge Summaries >

All Patient Registrations

Patient ID	Patient Name
192311378	M.Siddarta

Showing 1 of 1

192311378 M.Siddarta

Age 21

Gender Male

Phone Number +918555020921

Add a comment

2. Medical Details

The screenshot displays the 'Hospital Patient Management System' interface. The left sidebar shows a navigation menu with 'Patient Registrations', 'Medical Details', and 'Discharge Summaries'. The 'Medical Details' section is active, showing a table with columns 'Patient ID' and 'Disease'. A single entry is visible: Patient ID 192311378, Disease 'suffering with cold'. The right panel shows a detailed view of the selected patient, including fields for Patient ID, Disease, Doctor Name, and Admission Date. The 'Add a comment' button is also visible.

Patient ID	Disease
192311378	suffering with cold

Patient ID	192311378
Disease	suffering with cold
Doctor Name	Manjula
Admission Date	15-Dec-2025

[Add a comment](#)

3. Discharge Details

The screenshot displays the 'Hospital Patient Management System' interface. The left sidebar shows a navigation menu with 'Patient Registrations', 'Medical Details', and 'Discharge Summaries'. The 'Discharge Summaries' section is active, showing a table with columns 'Patient ID' and 'Discharge Date'. A single entry is visible: Patient ID 192311378, Discharge Date '16-Dec-2025'. The right panel shows a detailed view of the selected patient, including fields for Patient ID, Discharge Date, Total Bill, and Status. The 'Add a comment' button is also visible.

Patient ID	Discharge Date
192311378	16-Dec-2025

Patient ID	192311378
Discharge Date	16-Dec-2025
Total Bill	₹ 4,400.00
Status	Paid

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Result:

The Hospital Management System was successfully implemented as a SaaS application using Zoho, enabling online access to patient, doctor, and appointment data. The project demonstrates efficient cloud-based management with secure, anytime access.

