

CSA1523- CLOUD COMPUTING AND BIG DATA ANALYTICS FOR HEALTH CARE INDUSTRIES

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EXP 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:

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

PROCEDURE:

STEP 1: Log in to ZOHO Creators and click Create a new application.

STEP 2: Choose from scratch and name the application (Ex-Hospital App)

STEP 3: Create a new form as per the requirements. (Ex- Patient module, Doctor module, Appointments, etc)

STEP 4: Drag and place the required fields and click DONE.

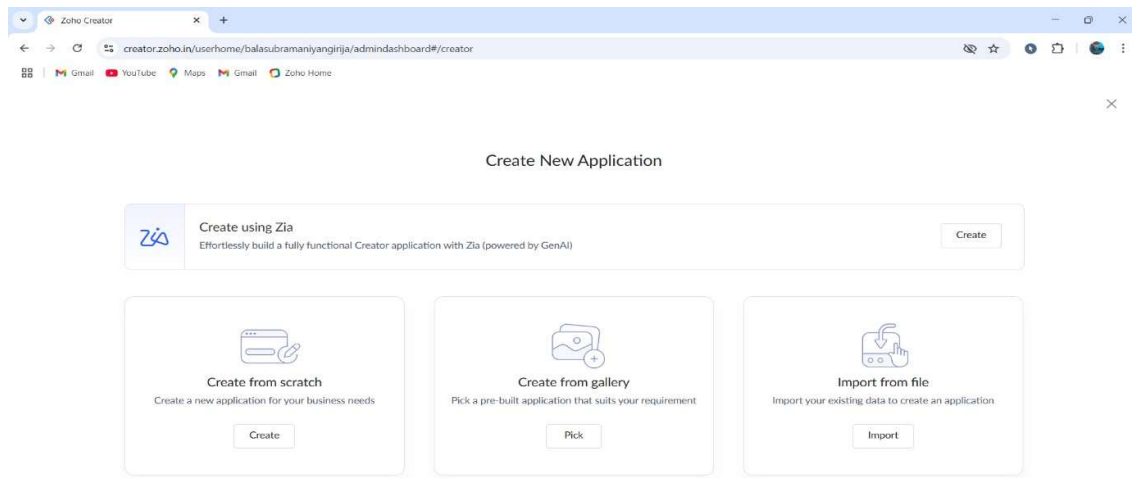
STEP 5: Now open each module and give required details to store it in the report.

STEP 6: Verify the entries of patient details, doctor details, etc from Module Reports.

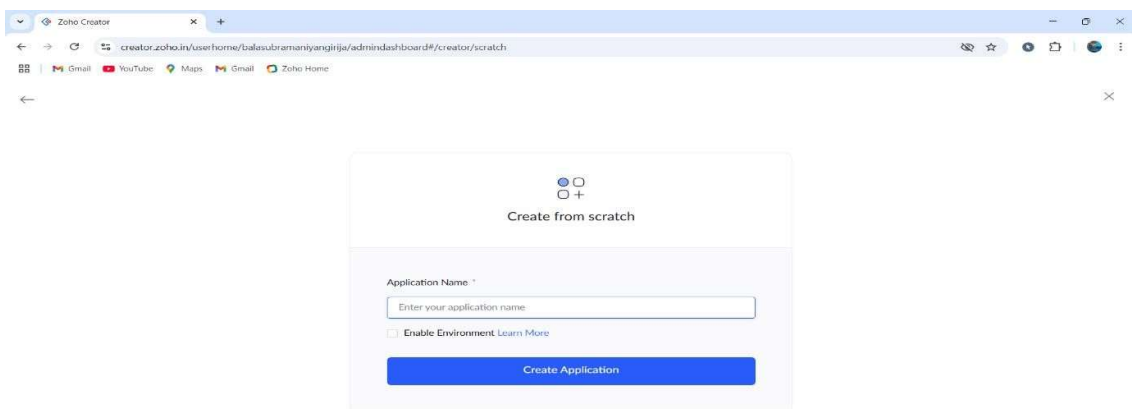
STEP 7: The software has been created successfully.

IMPLEMENTATION:

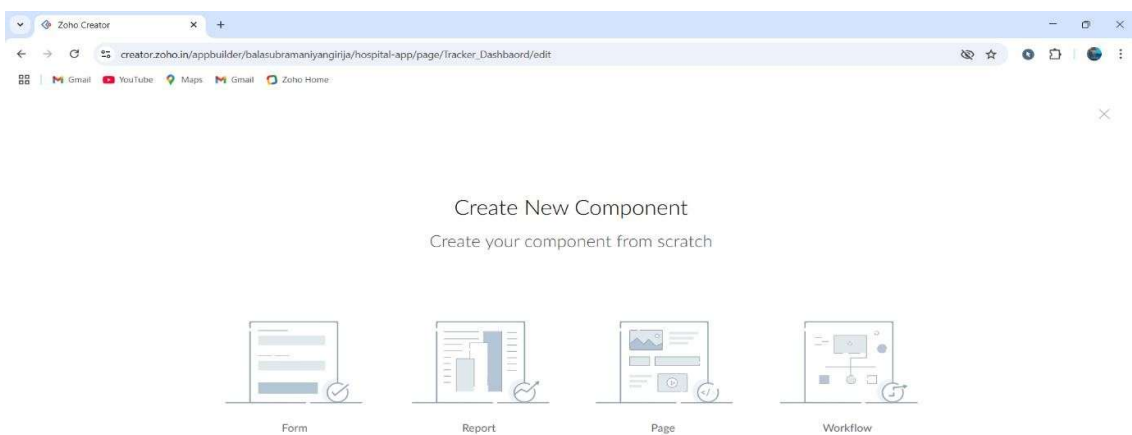
STEP1: Login to ZOHO Creators and click create a new application.



STEP 2: Choose from scratch and name the application (Ex-Hospital App)



STEP 3: Create a new form as per the requirements. (Ex- Patient module, Doctor module, Appointments, etc)



STEP 4: Drag and place the required fields and click DONE.

Patient :

The screenshot shows the Zoho Creator interface for editing the 'Patient' module. On the left, the 'Basic Fields' panel contains icons for Name, Email, Address, Phone, Single Line, Multi Line, Number, Date, Time, and Drop Down. The central workspace displays a form with the following fields: Patient ID (with a key icon), Patient name, DOB, Phone, Email id, and Medical History. On the right, the 'Field Properties' panel for 'Patient ID' shows: Field name: Patient ID, Field link name: Patient_ID, Display format: Default, Validation: ☒ Mandatory, ☐ No duplicate values, Initial value: Initial value, and Max Digits: 6. A 'Done' button is located in the top right corner.

Doctor:

The screenshot shows the Zoho Creator interface for editing the 'Doctors Module'. On the left, the 'Basic Fields' panel contains icons for Name, Email, Address, Phone, Single Line, Multi Line, Number, Date, Time, and Drop Down. The central workspace displays a form with the following fields: Dr Name (with a key icon), DR id, Speciality, Contact no, and Email id. On the right, the 'Field Properties' panel for 'Dr Name' shows: Field name: Dr Name, Field link name: Dr_Name, Display Fields: ☐ Prefix, ☒ First Name, ☒ Last Name, ☐ Suffix, Validation: ☒ Mandatory, and a 'Done' button in the top right corner.

Appointments:

Zoho Creator | Hospital App | Appointments

creator.zoho.in/appbuilder/balasubramaniyangirja/hospital-app/formbuilder/Appointments/edit

Basic Fields

- Name
- Email
- Address
- Phone
- Single Line
- Multi Line
- Number
- Date

Appointment id *

Patient

Doctor

Date-Time *

Status

Field Properties

Field name: **Appointment id**

Field link name: **Appointment_id**

Display format: **Default**

Validation: ☒ Mandatory ☐ No duplicate values

Initial value: **Initial value**

Prescriptions:

Zoho Creator | Hospital App | Prescriptions

creator.zoho.in/appbuilder/balasubramaniyangirja/hospital-app/formbuilder/Prescriptions/edit

Basic Fields

- Name
- Email
- Address
- Phone
- Single Line
- Multi Line
- Number
- Date

Prescription id *

Patient ID

Doctors Name

Diagnosis

Medications

Field Properties

Field name: **Prescription id**

Field link name: **Prescription_id**

Display format: **Default**

Validation: ☒ Mandatory ☐ No duplicate values

Initial value: **Initial value**

Test Results:

Zoho Creator | Hospital App | Test Results

creator.zoho.in/appbuilder/balasubramaniyangirja/hospital-app/formbuilder/Test_Results/edit

Basic Fields

- Name
- Email
- Address
- Phone
- Single Line
- Multi Line
- Number
- Date

Test id *

Patient ID

Test Name

Result file *

Date

Field Properties

Field name: **Test id**

Field link name: **Test_id**

Display format: **Default**

Validation: ☒ Mandatory ☐ No duplicate values

Initial value: **Initial value**

Billing:

STEP 5: Now open each module and give required details to store it in report.

Give data for every modules like Doctor, Prescription, Billing, Test Result and Appointment.

STEP 6: Verify the entries of patient details, doctor details ,etc from Module Reports.

Patient:

Patient ID	Patient name	DOB	Phone	Email id	Medical History
67890	asdfg vbnmh	09-Feb-2025	+918346797544	xyz@gmail.com	nil
12345	abcd rf	05-Feb-2025	+911234567890	abc@gmail.com	nil

Doctor:

balasubramaniyangirja1 - Ho: x +

creatorapp.zoho.in/balasubramaniyangirja/hospital-app#Report:Doctors_Module_Report

Hospital App

Doctors Module Report

DR id	Dr Name	Speciality	Contact no	Email id
78907	xyz w	Neurology	+911987654321	123@gmail.com

Appointment:

balasubramaniyangirja1 - Ho: x +

creatorapp.zoho.in/balasubramaniyangirja/hospital-app#Report:All_Appointments

Hospital App

All Appointments

Appointment id	Patient	Doctor	Date-Time	Status
7890	12345	xyz w	11-Feb-2025 15:56:00	Scheduled

Follow for all other modules and verify the entries.