

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.

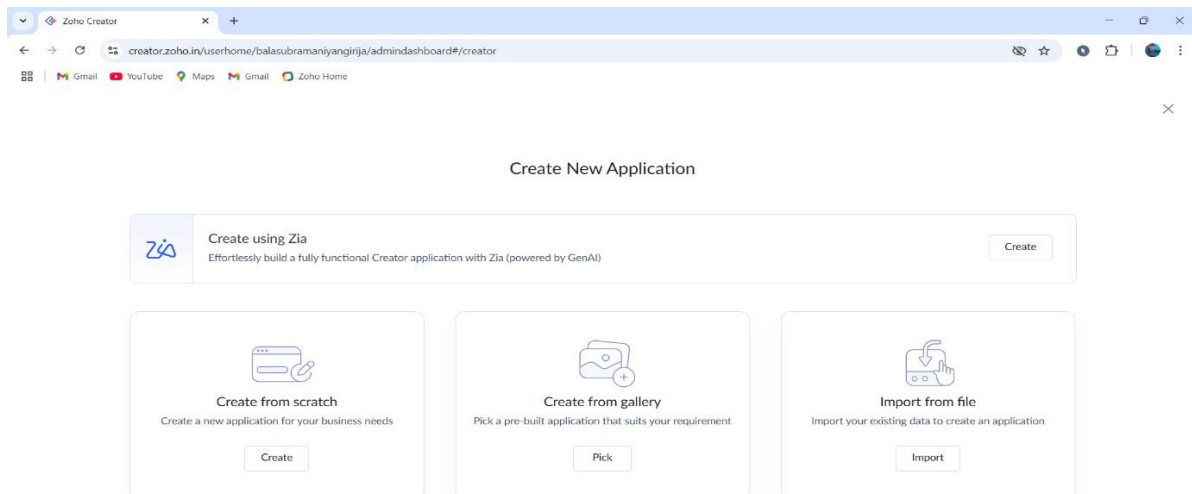
STEP 5: Now open each module and give required details to store it in the report.

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

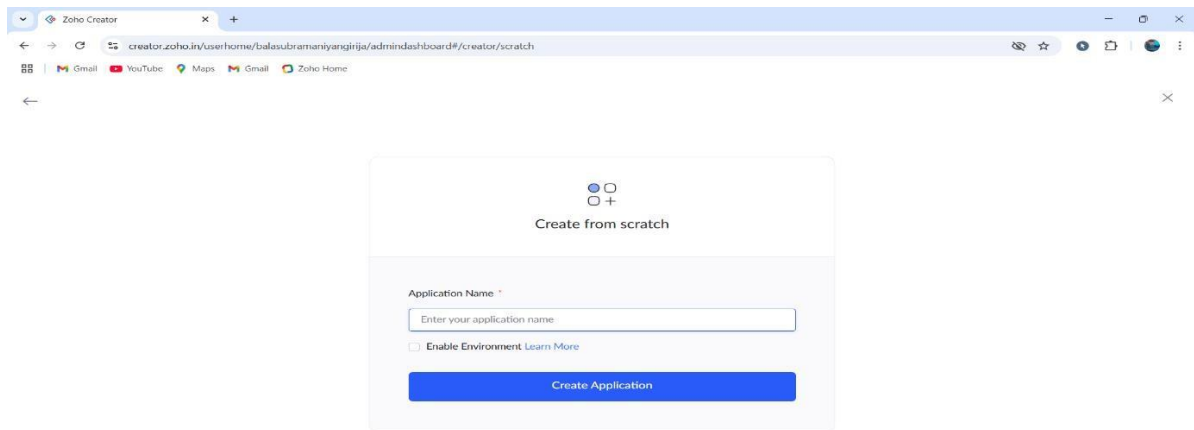
STEP 7: The software has been created successfully.

IMPLEMENTATION:

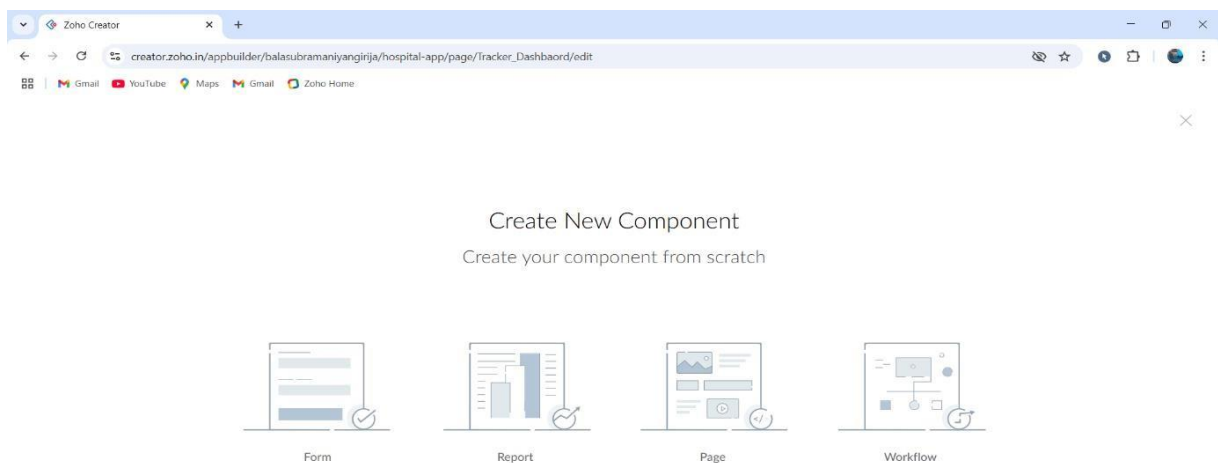
STEP1: Login to ZOHO Creators and click create a new application.



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

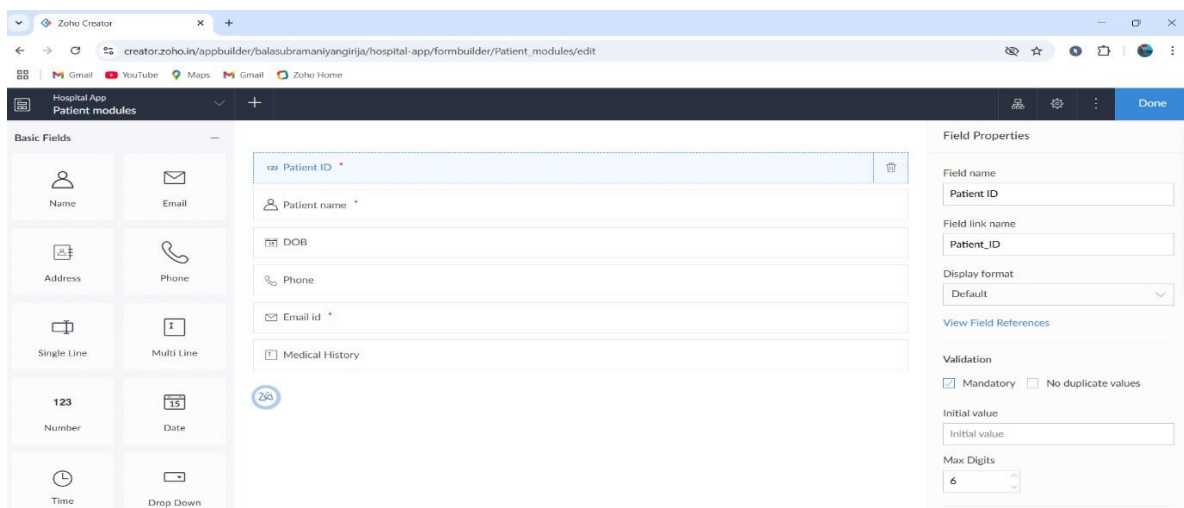


STEP 3: Create a new form as per the requirements. (Ex- Patient module, Doctor module, Appointments, etc)



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

Patient :



Doctor:

The screenshot shows the Zoho Creator interface for editing a form titled "Doctors Module". The browser address bar indicates the URL: `creator.zoho.in/appbuilder/balasubramaniyangirija/hospital-app/formbuilder/Doctors_Module/edit`. The interface is divided into three main sections: "Basic Fields", the form preview, and "Field Properties".

Basic Fields: A sidebar on the left lists various field types: Name, Email, Address, Phone, Single Line, Multi Line, Number, Date, Time, and Drop Down.

Form Preview: The central area displays the form structure. It includes a "Dr Name" field (with a user icon), a "DR id" field (with a numeric icon), a "Speciality" field (with a tag icon), a "Contact no" field (with a phone icon), and an "Email id" field (with an email icon). A "Zoho" logo is visible at the bottom left of the preview area.

Field Properties: A panel on the right for configuring the selected "Dr Name" field. It includes:

- Field name:** "Dr Name"
- Field link name:** "Dr_Name"
- Validation:** The "Mandatory" checkbox is checked.
- Display Fields:** The "First Name" and "Last Name" checkboxes are checked, while "Prefix" and "Suffix" are unchecked.

Appointments:

The screenshot shows the Zoho Creator interface for editing a form titled "Appointments". The browser address bar indicates the URL: `creator.zoho.in/appbuilder/balasubramaniyangirija/hospital-app/formbuilder/Appointments/edit`. The interface is divided into three main sections: "Basic Fields", the form preview, and "Field Properties".

Basic Fields: A sidebar on the left lists various field types: Name, Email, Address, Phone, Single Line, Multi Line, Number, and Date.

Form Preview: The central area displays the form structure. It includes an "Appointment id" field (with a numeric icon), a "Patient" field (with a search icon), a "Doctor" field (with a search icon), a "Date-Time" field (with a calendar icon), and a "Status" field (with a tag icon). A "Zoho" logo is visible at the bottom left of the preview area.

Field Properties: A panel on the right for configuring the selected "Appointment id" field. It includes:

- Field name:** "Appointment id"
- Field link name:** "Appointment_id"
- Display format:** "Default"
- Validation:** The "Mandatory" checkbox is checked, and the "No duplicate values" checkbox is unchecked.
- Initial value:** A text box labeled "Initial value" is present.

Prescriptions:

The screenshot shows the Zoho Creator interface for editing a form titled "Prescriptions". The browser address bar indicates the URL: `creator.zoho.in/appbuilder/balasubramaniyangirija/hospital-app/formbuilder/Prescriptions/edit`. The interface is divided into three main sections: "Basic Fields", the form preview, and "Field Properties".

Basic Fields: A sidebar on the left lists various field types: Name, Email, Address, Phone, Single Line, Multi Line, Number, and Date.

Form Preview: The central area displays the form structure. It includes a "Prescription id" field (with a numeric icon), a "Patient ID" field (with a search icon), a "Doctors Name" field (with a search icon), a "Diagnosis" field (with a tag icon), and a "Medications" field (with a tag icon). A "Zoho" logo is visible at the bottom left of the preview area.

Field Properties: A panel on the right for configuring the selected "Prescription id" field. It includes:

- Field name:** "Prescription id"
- Field link name:** "Prescription_id"
- Display format:** "Default"
- Validation:** The "Mandatory" checkbox is checked, and the "No duplicate values" checkbox is unchecked.
- Initial value:** A text box labeled "Initial value" is present.

Test Results:

The screenshot shows the Zoho Creator interface for editing the 'Test Results' module. On the left, the 'Basic Fields' panel lists various field types: Name, Email, Address, Phone, Single Line, Multi Line, and a numeric field (123). The main form area contains the following fields: 'Test id' (with a red asterisk), 'Patient ID' (with a search icon), 'Test Name' (with a dropdown icon), 'Result file' (with a red asterisk and a file upload icon), and 'Date' (with a calendar icon). On the right, the 'Field Properties' panel for 'Test id' shows: Field name: 'Test id', Field link name: 'Test_id', Display format: 'Default', Validation: 'Mandatory' (checked), and Initial value: empty.

Billing:

The screenshot shows the Zoho Creator interface for editing the 'Billing' module. On the left, the 'Basic Fields' panel lists various field types: Name, Email, Address, Phone, Single Line, Multi Line, a numeric field (123), and a date field (15). The main form area contains the following fields: 'Bill id' (with a red asterisk), 'Patient ID' (with a search icon), 'Appointment id' (with a search icon), 'Amount' (with a red asterisk), and 'Payment status' (with a dropdown icon). On the right, the 'Field Properties' panel for 'Bill id' shows: Field name: 'Bill id', Field link name: 'Bill_id', Display format: 'Default', Validation: 'Mandatory' (checked), and Initial value: empty.

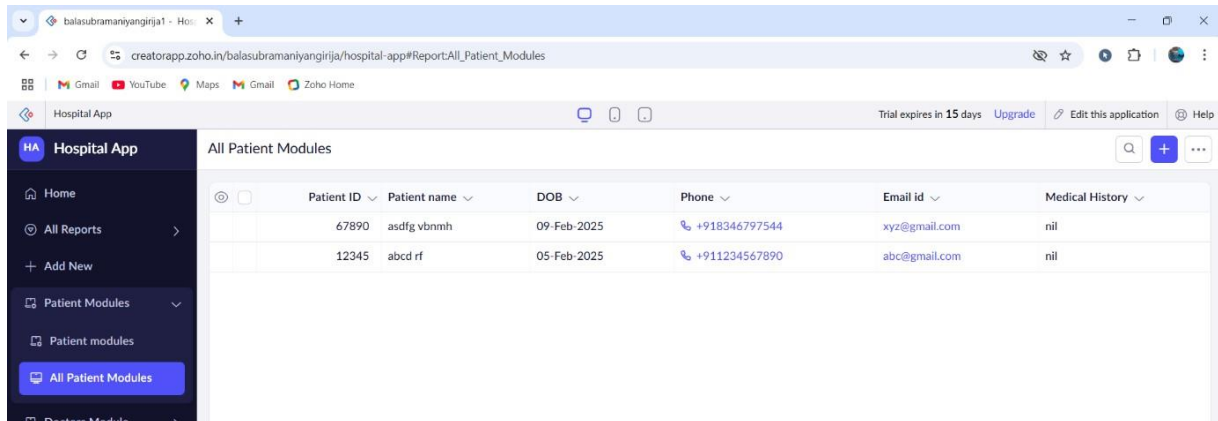
STEP 5: Now open each module and give required details to store it in report.

The screenshot shows the 'Patient modules' form within the 'Hospital App'. The left sidebar contains a navigation menu with options: Home, All Reports, Add New, Patient Modules (selected), All Patient Modules, Doctors Module, Appointments, Prescriptions, Billings, and Test Results. The main form area contains the following fields: 'Patient ID' (67890), 'Patient name' (split into 'asdg' and 'vbnmh' for First Name and Last Name), 'DOB' (09-Feb-2025), 'Phone' (+91 8346797544), 'Email id' (xyz@gmail.com), and 'Medical History' (nil). At the bottom, there are 'Submit' and 'Reset' buttons. The top right of the app shows 'Trial expires in 15 days' and links for 'Upgrade', 'Edit this application', and 'Help'.

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.

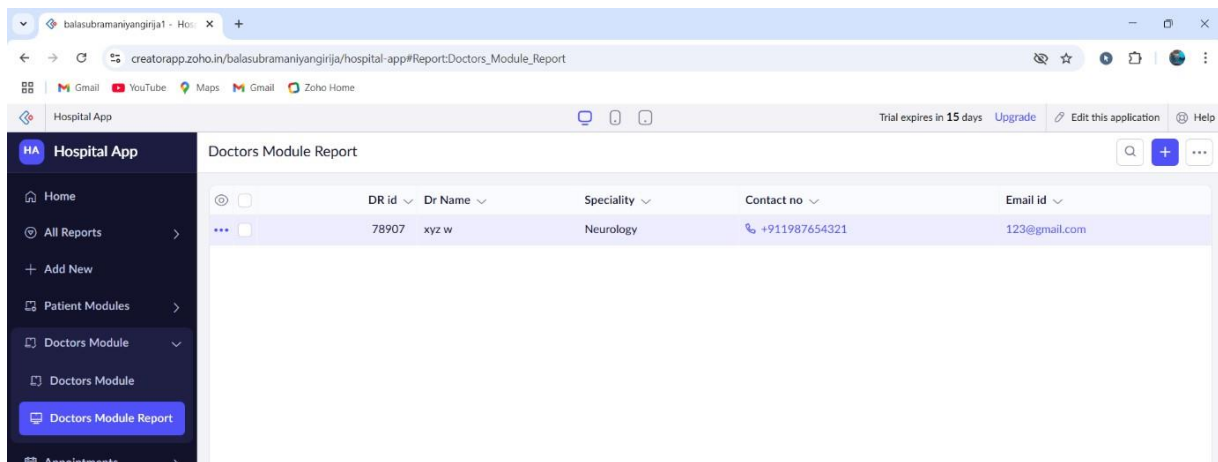
Patient:



The screenshot shows the Zoho Creator interface for the 'Hospital App'. The left sidebar contains navigation options: Home, All Reports, Add New, Patient Modules, Patient modules, All Patient Modules (highlighted), and Doctors Module. The main area displays the 'All Patient Modules' report with a table containing patient information.

	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

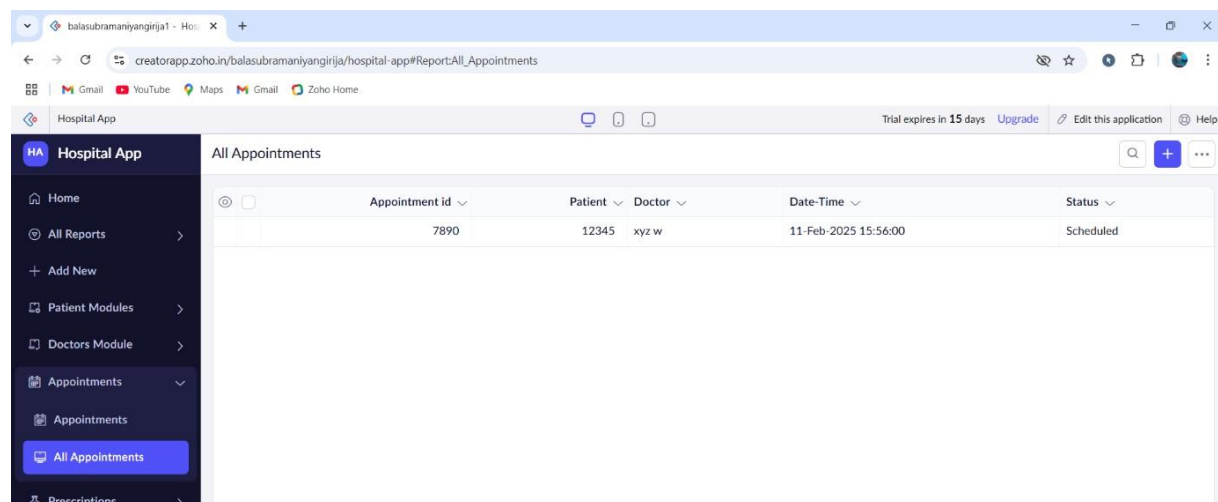
Doctor:



The screenshot shows the Zoho Creator interface for the 'Hospital App'. The left sidebar contains navigation options: Home, All Reports, Add New, Patient Modules, Doctors Module, Doctors Module (highlighted), Doctors Module Report, and Appointments. The main area displays the 'Doctors Module Report' with a table containing doctor information.

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

Appointment:



The screenshot shows the Zoho Creator interface for the 'Hospital App'. The left sidebar contains navigation options: Home, All Reports, Add New, Patient Modules, Doctors Module, Appointments, Appointments (highlighted), All Appointments, and Prescriptions. The main area displays the 'All Appointments' report with a table containing appointment information.

	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.