

CSA1523- CLOUD COMPUTING AND BIG DATA ANALYTICS FOR HEALTHCARE INDUSTRIES

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EXP 5. Create a simple cloud software application for the Library book reservation system for the SIMAT\$ library using any Cloud Service Provider to demonstrate SaaS.

AIM:

To create a simple cloud software application for a Library book reservation system for SIMAT\$ library using any Cloud Service Provider to demonstrate 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-Library book reservation system)

STEP 3: Create a new form as per the requirements. (Ex- User Registration form, Book Listing Form, Book Reservation Form, etc)

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

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

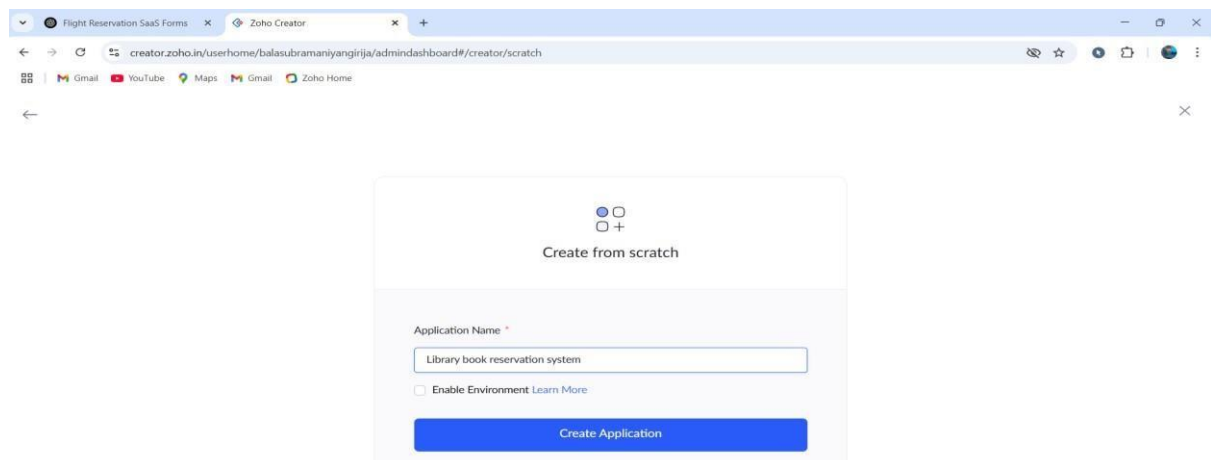
STEP 6: Verify the entries of the User Registration form, Book Listing Form, Book Registration Form, etc from Module Reports.

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-Library book reservation system)



The screenshot shows a web browser window with the Zoho Creator interface. The address bar shows the URL: creator.zoho.in/userhome/balasubramaniyangirija/admindashboard#/creator/scratch. The main content area is titled 'Create from scratch' and contains a form with the following elements:

- A text input field labeled 'Application Name' with the value 'Library book reservation system'.
- A checkbox labeled 'Enable Environment' with a 'Learn More' link next to it.
- A blue button labeled 'Create Application'.

STEP 3: Create a new form as per the requirements. (Ex- User Registration form, Book Listing Form, Book Reservation Form, etc)

User Registration form:

The screenshot shows the Zoho Creator web interface. The browser address bar displays the URL: `creator.zoho.in/appbuilder/balasubramaniyangirija/library-book-reservation-system/edit`. The main content area shows a 'Create from Scratch' dialog. In the 'Name form' field, 'User Registration form' is entered. A 'Create Form' button is visible at the bottom of the dialog.

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

The screenshot shows the Zoho Creator form builder interface for the 'User Registration form'. On the left, a 'Basic Fields' panel lists available fields: Name, Email, Address, Phone, Single Line, Multi Line, 123, and a calendar icon. The main form area contains the following fields: Full Name, Email, Phone, User Type, Library ID, and Password (marked as Encrypted). On the right, the 'Field Properties' panel shows settings for the selected field, including 'Mandatory' (unchecked), 'Initial value' (set to 'Initial value'), 'Character maximum' (set to 15), 'Data Privacy' (checked for 'Contains personal data (PII)'), and 'Data Security' (checked for 'Encrypt data'). A 'Done' button is located in the top right corner.

Book Listing Form:

The screenshot shows the Zoho Creator web interface. The browser address bar displays the URL: `creator.zoho.in/appbuilder/balasubramaniyangirija/library-book-reservation-system/formbuilder/User_Registration_form/edit`. The main content area shows a 'Create from Scratch' dialog. In the 'Name form' field, 'Book Listing Form' is entered. A 'Create Form' button is visible at the bottom of the dialog.

Book Reservation Form:

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

User Registration form:

creatorapp.zoho.in/balasubramaniyangirija/library-book-reservation-system/#Form:User_Registration_form

Library book reservation system

Library book reservatio...

User Registrations

User Registration form

All User Registrations

Book Listing Form

Book Reservations

User Registration form

Full Name: sahana

Email: abcx@gmail.com

Phone: +91 6767787845

User Type: Student

Library ID: 1234

Password: 98576

Submit Reset

Book Listing Form:

creatorapp.zoho.in/balasubramaniyangirija/library-book-reservation-system/#Form:Book_Listing_Form

Library book reservation system

Library book reservatio...

User Registrations

Book Listing Form

Book Listing Form Report

Book Reservations

Book Listing Form

Book Listing Form Report

Book Reservations

Book Listing Form

Book Title: Fluid Mechanics

Author: xyzz

ISBN Number: 12746

Category: Science

Total Copies: 10

Available Copies: 4

Status: Available

Submit Reset

Book Reservation Form:

creatorapp.zoho.in/balasubramaniyangirija/library-book-reservation-system/#Form:Book_Reservation_Form

Library book reservation system

Library book reservatio...

User Registrations

Book Listing Form

Book Reservations

Book Reservation Form

All Book Reservations

Book Reservation Form

User Name: sahana

Book Title: 4

Reservation Date: 12-Feb-2025

Status: Approved

Submit Reset

STEP 6: Verify the entries of the User Registration form, Book Listing Form, Book Registration Form, etc from Module Reports.

User Registration form:

← → ↻ creatorapp.zoho.in/balasubramaniyangirija/library-book-reservation-system/#Report:All_User_Registrations

Library book reservation system Trial expires in 13 days Upgrade Edit this application Help

Library book reservatio... All User Registrations

<input type="checkbox"/> Full Name	Email	Phone	User Type	Library ID	Password
sahana	abcx@gmail.com	+916767787845	Student	1234	98576

User Registrations
User Registration form
All User Registrations

Book Listing Form:

← → ↻ creatorapp.zoho.in/balasubramaniyangirija/library-book-reservation-system/#Report:Book_Listing_Form_Report

Library book reservation system Trial expires in 13 days Upgrade Edit this application Help

Library book reservatio... Book Listing Form Report

<input type="checkbox"/> Book Title	Author	Category	Total Copies	Available Copies	Status	ISBN Number
Fluid Mechanics	xyzz	Science	10	4	Available	12746

User Registrations
Book Listing Form
Book Listing Form Report

Book Reservation Form:

← → ↻ creatorapp.zoho.in/balasubramaniyangirija/library-book-reservation-system/#Report:All_Book_Reservations

Library book reservation system Trial expires in 13 days Upgrade Edit this application Help

Library book reservatio... All Book Reservations

<input type="checkbox"/> User Name	Book Title	Reservation Date	Status
sahana	4	12-Feb-2025	Approved

User Registrations
Book Listing Form
Book Reservations

RESULT:

The software has been created successfully.