

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 SIMATS library using any Cloud Service Provider to demonstrate SaaS.

AIM:

To create a simple cloud software application for a Library book reservation system for SIMATS 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.

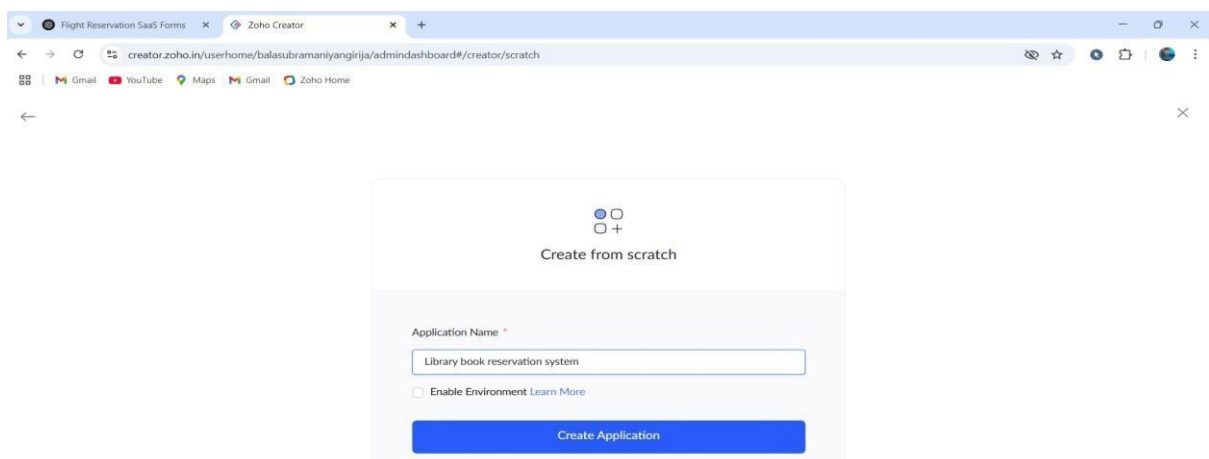
STEP 6: Verify the entries of the User Registration form, Book Listing Form, Book Registration Form, etc from Module Reports.

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)



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 interface for creating a new form. The browser address bar displays the URL: `creator.zoho.in/appbuilder/balasubramaniyangirija/library-book-reservation-system/edit`. The main heading is "Create from Scratch". Below it, the "Name form" field contains the text "User Registration form". A blue "Create Form" button is positioned at the bottom right of the form name input area.

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

This screenshot shows the Zoho Creator form builder interface for the "User Registration form". The left sidebar, titled "Basic Fields", contains icons for Name, Email, Address, Phone, Single Line, Multi Line, 123, and a calendar icon. The main workspace displays the form layout with the following fields: Full Name, Email, Phone, User Type, Library ID, and Password (marked as Encrypted). The right sidebar, titled "Field Properties", includes settings for "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" and unchecked for "Contains health info (ePHI)"). A blue "Done" button is located in the top right corner of the interface.

Book Listing Form:

The screenshot shows the Zoho Creator interface for creating a new form. The browser address bar displays the URL: `creator.zoho.in/appbuilder/balasubramaniyangirija/library-book-reservation-system/formbuilder/User_Registration_form/edit`. The main heading is "Create from Scratch". Below it, the "Name form" field contains the text "Book Listing Form". A blue "Create Form" button is positioned at the bottom right of the form name input area.

Library book reservation system
Book Listing Form

Basic Fields

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

Field Properties

CHOICES

- Available
- Not Available
- Issued

Validation

- Mandatory

Book Reservation Form:

Create from Scratch

Name form

Book Reservation Form

Create Form

Library book reservation system
Book Reservation Form

Field Properties

Field name

Status

Field link name

Status

View Field References

Choices

Advanced

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

User Registration form:

The screenshot shows the 'User Registration form' in a web application. The left sidebar contains a menu with 'User Registrations' expanded, showing 'User Registration form' (selected), 'All User Registrations', 'Book Listing Form', and 'Book Reservations'. The main form area has the following fields: Full Name (sahana), Email (abcx@gmail.com), Phone (+91 6767787845), User Type (Student), Library ID (1234), and Password (98576). At the bottom are 'Submit' and 'Reset' buttons. The top of the page shows the application name 'Library book reservation system' and a trial expiration notice 'Trial expires in 13 days'.

Book Listing Form:

The screenshot shows the 'Book Listing Form' in the same web application. The left sidebar menu now has 'Book Listing Form' selected. The main form area has the following fields: Book Title (Fluid Mechanics), Author (xyzz), ISBN Number (12746), Category (Science), Total Copies (10), Available Copies (4), and Status (Available). At the bottom are 'Submit' and 'Reset' buttons. The top of the page shows the application name 'Library book reservation system' and a trial expiration notice 'Trial expires in 13 days'.

Book Reservation Form:

The screenshot shows the 'Book Reservation Form' in the same web application. The left sidebar menu now has 'Book Reservations' expanded, showing 'Book Reservation Form' (selected) and 'All Book Reservations'. The main form area has the following fields: User Name (sahana), Book Title (4), Reservation Date (12-Feb-2025), and Status (Approved). At the bottom are 'Submit' and 'Reset' buttons. The top of the page shows the application name 'Library book reservation system' and a trial expiration notice 'Trial expires in 13 days'.

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
<input type="checkbox"/>	sahana	abc@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
<input type="checkbox"/>	Fluid Mechanics	xyzz	Science	10	4	Available	12746

User Registrations
Book Listing Form
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
<input type="checkbox"/>	sahana	4	12-Feb-2025	Approved

User Registrations
Book Listing Form
Book Reservations

RESULT:

The software has been created successfully.