

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, there is a text input field labeled "Name form" containing the text "User Registration form". A blue "Create Form" button is positioned below the input field.

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 15. The main workspace contains the following fields: Full Name, Email, Phone, User Type, Library ID, and Password (marked as Encrypted). On the right, the "Field Properties" panel is visible, showing options for Mandatory, 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 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, there is a text input field labeled "Name form" containing the text "Book Listing Form". A blue "Create Form" button is positioned below the input field.

Library book reservation system
Book Listing Form

Basic Fields

Name Email

Address Phone

Single Line Multi Line

123 Number 15 Date

Book Title

Author

ISBN Number

Category

Total Copies

Available Copies

Status

Field Properties

CHOICES

Renaming the choices will update the values in the existing records, if any.

Available

Not Available

Issued

Alphabetical Order

Allow Other Choice

Validation

Mandatory

Book Reservation Form:

creator.zoho.in/appbuilder/balasubramaniyangirija/library-book-reservation-system/formbuilder/Book_Listing_Form/edit

Back

Create from Scratch

Name form

Book Reservation Form

Create Form

Library book reservation system
Book Reservation Form

Single Line Multi Line

123 Number 15 Date

Time Drop Down

User Name

Book Title

Reservation Date

Status

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), '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 application shows a trial expiration of 13 days and options to upgrade, edit, or help.

Book Listing Form:

The screenshot shows the 'Book Listing Form' in the web application. The left sidebar menu is updated with 'Book Listing Form' selected. The main form area contains fields for Book Title (Fluid Mechanics), Author (xyzz), ISBN Number (12746), Category (Science), Total Copies (10), Available Copies (4), and Status (Available). 'Submit' and 'Reset' buttons are at the bottom. The top header remains the same.

Book Reservation Form:

The screenshot shows the 'Book Reservation Form' in the web application. The left sidebar menu now has 'Book Reservations' expanded, with 'Book Reservation Form' selected. The main form area contains fields for User Name (sahana), Book Title (4), Reservation Date (12-Feb-2025), and Status (Approved). 'Submit' and 'Reset' buttons are at the bottom. The top header remains the same.

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

Full Name	Email	Phone	User Type	Library ID	Password
sahana	abcx@gmail.com	+916767787845	Student	1234	98576

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

Book Title	Author	Category	Total Copies	Available Copies	Status	ISBN Number
Fluid Mechanics	xyzz	Science	10	4	Available	12746

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

User Name	Book Title	Reservation Date	Status
sahana	4	12-Feb-2025	Approved

RESULT:

The software has been created successfully.