

EXPERIMENT 5 : LIBRARY MANAGEMENT

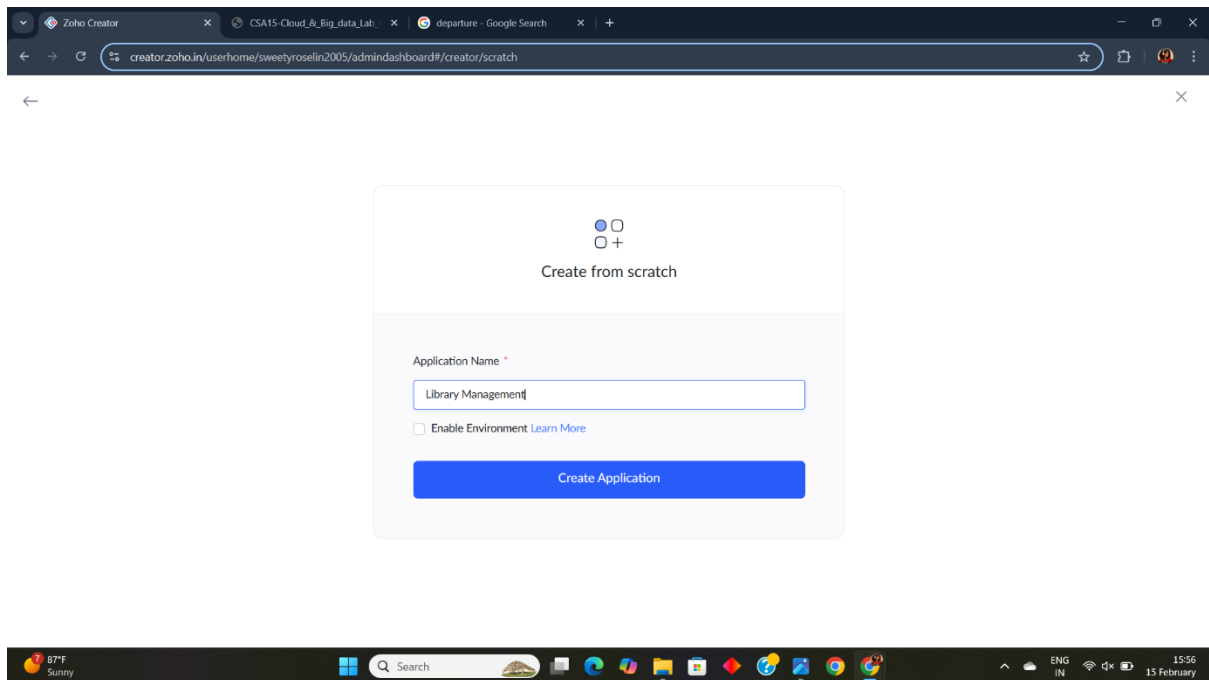
AIM: Create a simple cloud software application for Library book reservation system for SIMATS library using any Cloud Service Provider to demonstrate SaaS.

PROCEDURE:

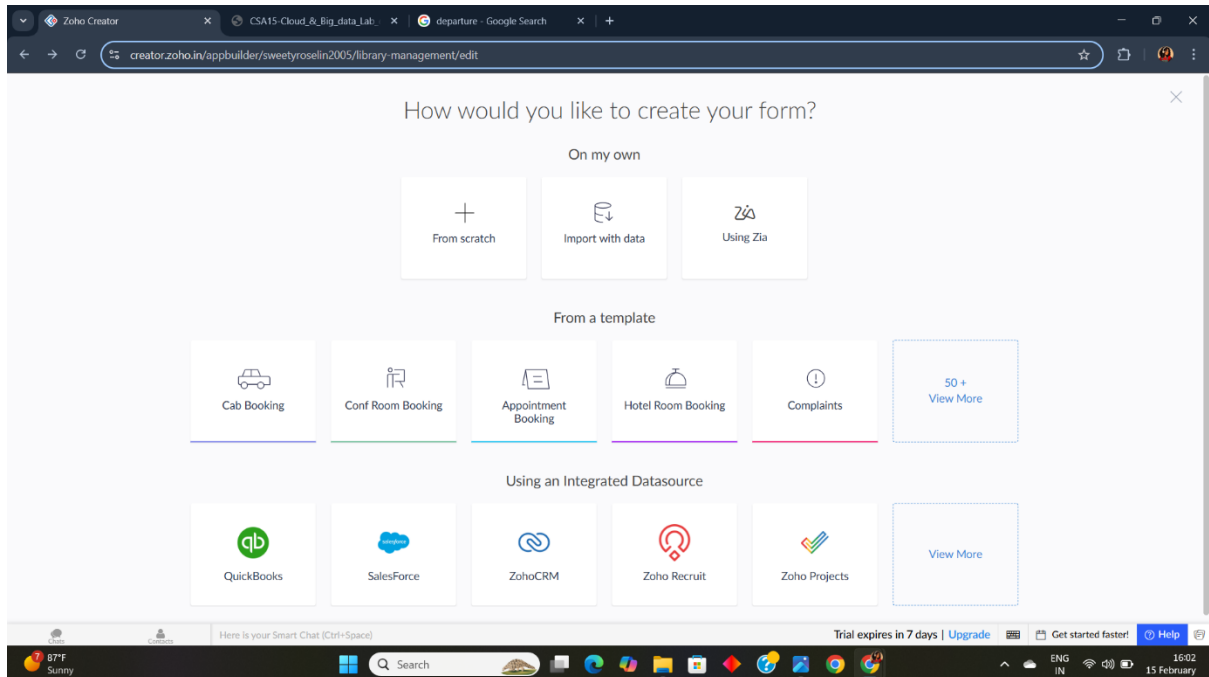
1. Go to zoho.com and sign in to your account.
2. Log into Zoho Creator using your credentials.
3. Select 'Create New App' from the dashboard.
4. Enter 'Library Management System' as the application name.
5. Create the app by clicking the 'Create' button.
6. Select 'Create Form' to add forms like [Book Reservation](#), [Student Information](#), and [Book Availability & Inventory](#).
7. The software is created, ready for customization and use.

IMPLEMENTATIONS

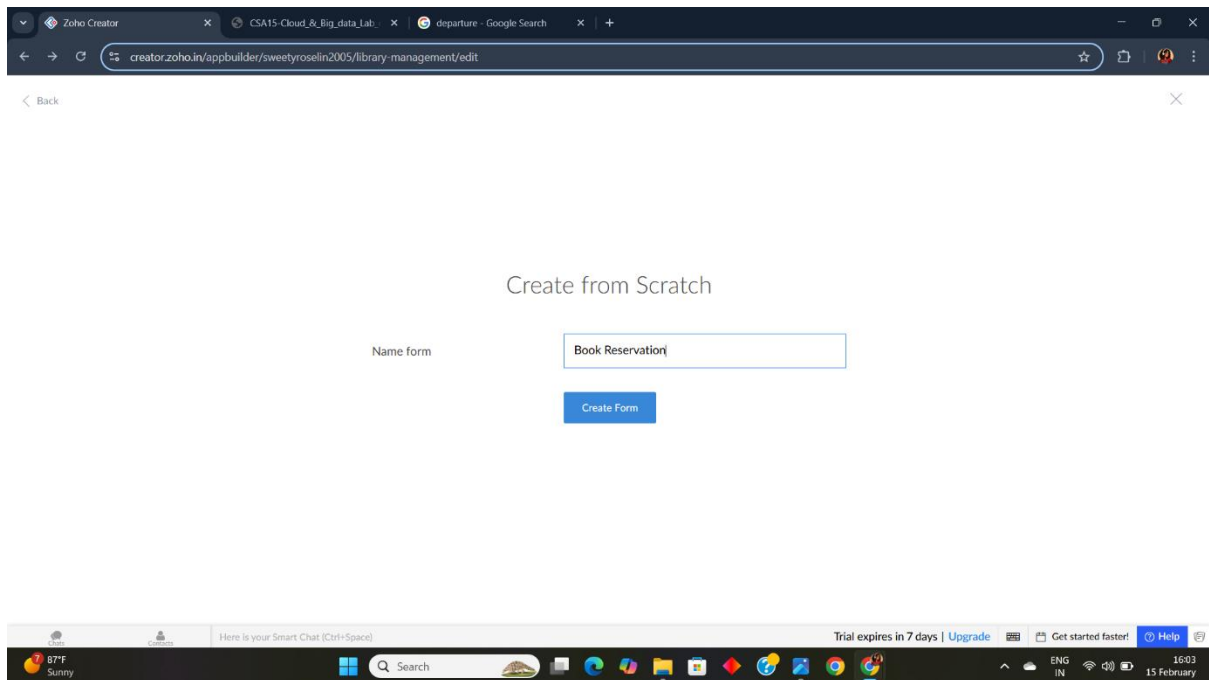
Step 1 : Select New Application and enter the name as Library Management.



Step 2 : Create new forms from scratch



FORM 1 : BOOK RESERVATION



Step 3 : Now drag or double click the required fields to store the details.

Library Management

Book Reservation

Reservation ID

Student ID

Book ID

Book Title

Book Author

Reservation Date

Return Date

Reservation Status

Submit Reset

Sweety Roselin

87°F Sunny

Search

ENG IN

16:22 15 February

Step 4 : Enter the corresponding details of the book.

Library Management

Book Reservation

Reservation ID

Student ID

Book ID

Book Title

Book Author

Reservation Date

Return Date

Reservation Status

Submit Reset

Sweety Roselin

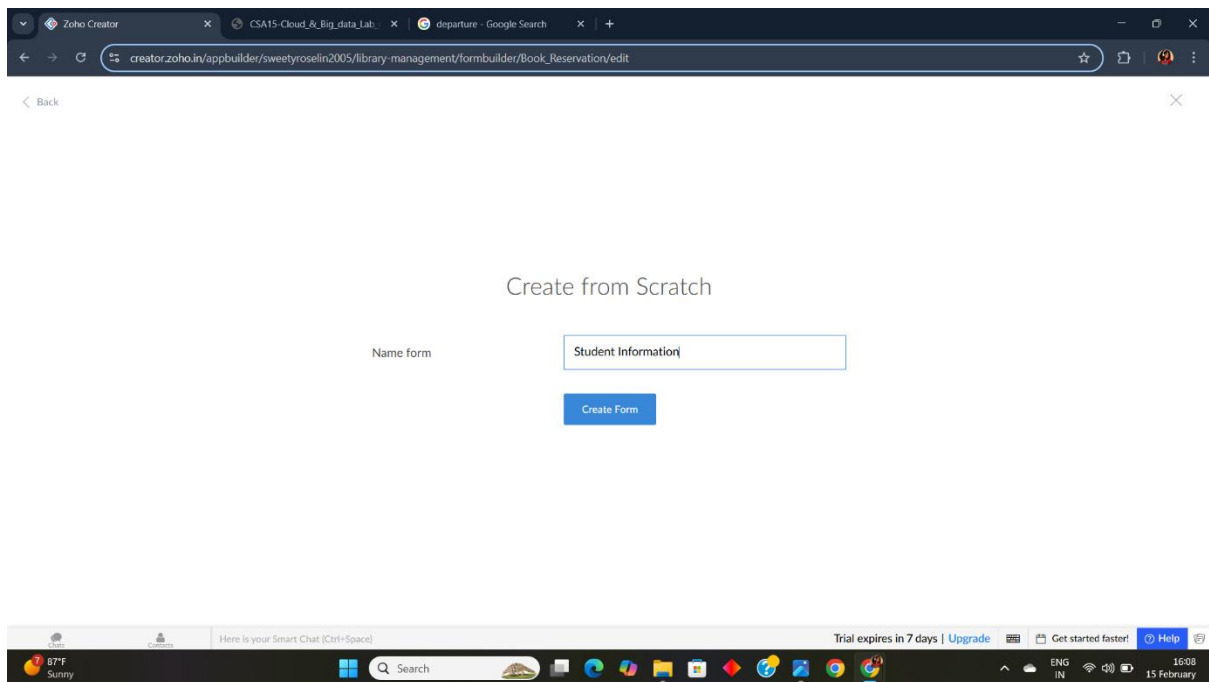
87°F Sunny

Search

ENG IN

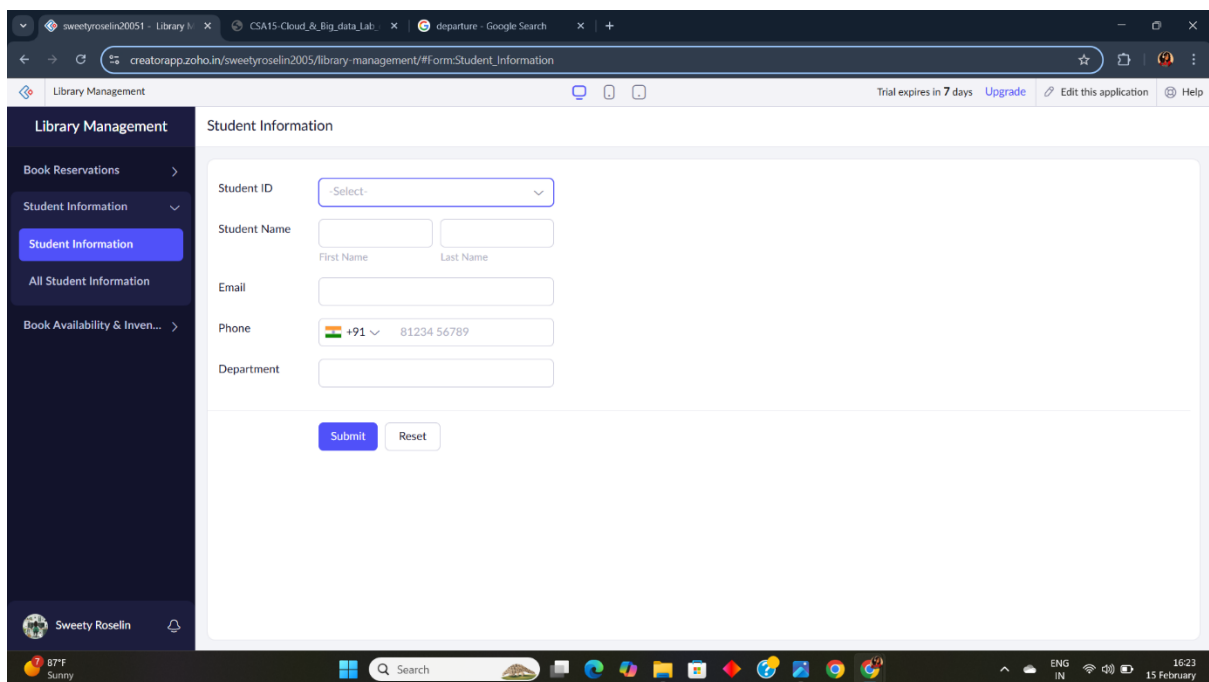
16:22 15 February

FORM 2 : STUDENT INFORMATION



The screenshot shows the Zoho Creator interface for creating a new form. The browser address bar displays the URL: `creator.zoho.in/appbuilder/sweettyroselin2005/library-management/formbuilder/Book_Reservation/edit`. The main heading is "Create from Scratch". Below it, there is a label "Name form" and a text input field containing "Student Information". A blue "Create Form" button is positioned below the input field. The bottom of the screen shows a Windows taskbar with various application icons and system information like "87°F Sunny" and "1608 15 February".

Step 5 : Drag and add the required fields to store student information.



The screenshot displays the "Student Information" form within the Zoho Creator application. The left sidebar shows the "Library Management" menu with options like "Book Reservations", "Student Information", and "All Student Information". The main form area contains the following fields: "Student ID" (a dropdown menu with "-Select-" selected), "Student Name" (split into "First Name" and "Last Name" text boxes), "Email" (a text box), "Phone" (a text box with a country code dropdown set to "+91" and the number "81234 56789"), and "Department" (a text box). At the bottom of the form are "Submit" and "Reset" buttons. The browser address bar shows the URL: `creatorapp.zoho.in/sweettyroselin2005/library-management/#Form-Student_Information`. The Windows taskbar at the bottom shows the time as "16:23 15 February".

Step 6 : Enter the details about the student.

The screenshot shows a web browser window with the URL `creatorapp.zoho.in/sweetyroselin2005/library-management/#formStudent_Information`. The page title is "Library Management". On the left, a sidebar menu includes "Book Reservations", "Student Information" (selected), "All Student Information", and "Book Availability & Inven...". The main content area is titled "Student Information" and contains a form with the following fields:

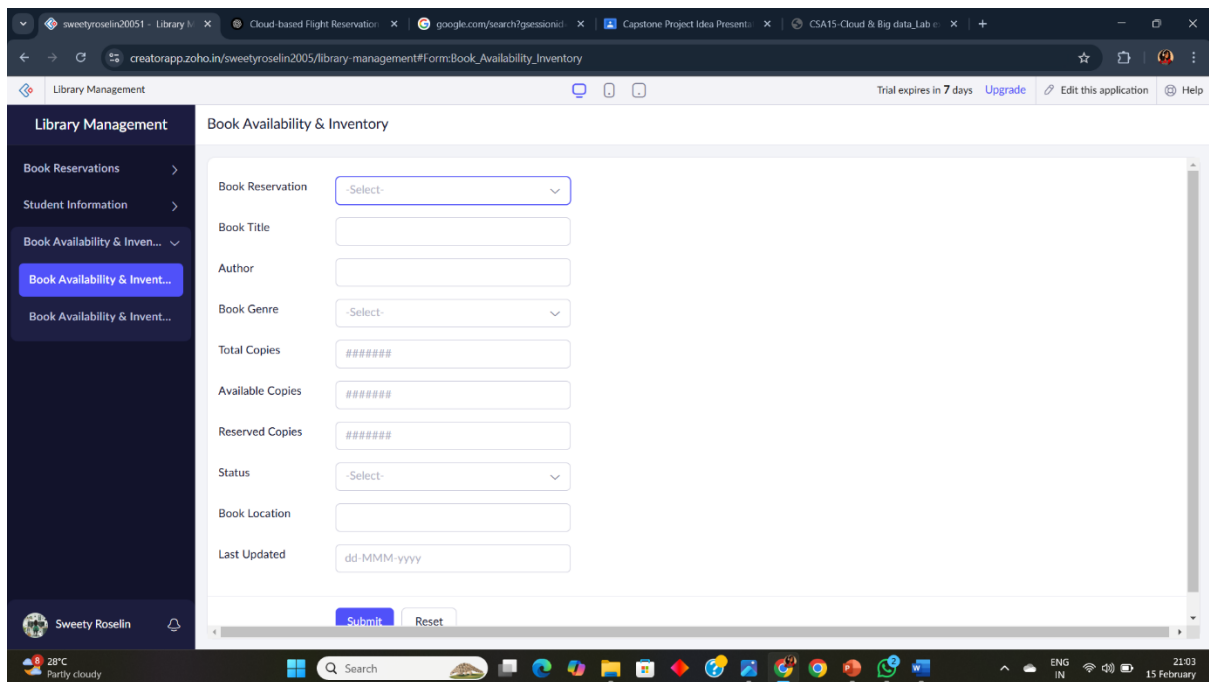
- Student ID:
- Student Name: Two input fields, "Sweety" (First Name) and "Roselin" (Last Name).
- Email:
- Phone:
- Department:

At the bottom of the form are "Submit" and "Reset" buttons. The browser's taskbar at the bottom shows the date as 15 February and the time as 16:23.

FORM 3 : BOOK AVAILABILITY & INVENTORY

The screenshot shows the Zoho Creator "Create from Scratch" form builder interface. The browser URL is `creator.zoho.in/appbuilder/sweetyroselin2005/library-management/formbuilder/Student_Information/edit`. The page has a "Back" button in the top left. The main heading is "Create from Scratch". Below it, there is a "Name form" label and an input field containing "Book Availability & Inventory". A "Create Form" button is positioned below the input field. The browser's taskbar at the bottom shows the date as 15 February and the time as 16:14.

Step 7 : Now add the necessary fields to store information about the book availability

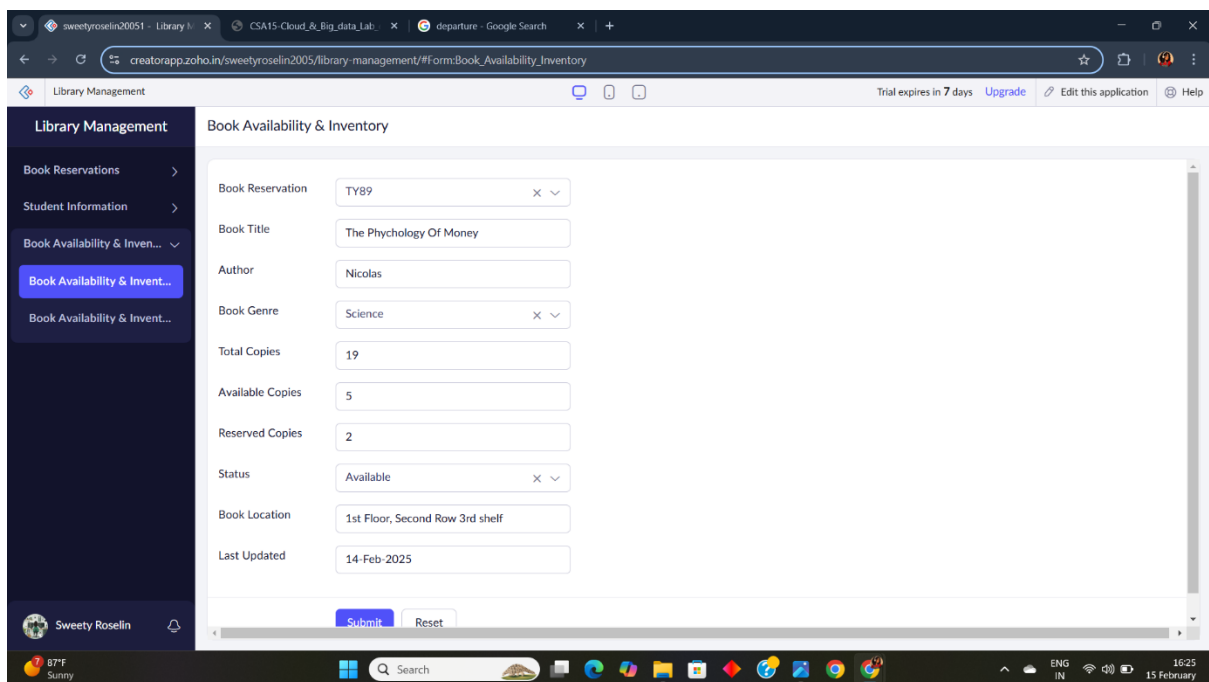


The screenshot shows a web application interface for 'Library Management'. The main section is titled 'Book Availability & Inventory'. It contains a form with the following fields:

- Book Reservation: A dropdown menu with '-Select-' as the current selection.
- Book Title: A text input field.
- Author: A text input field.
- Book Genre: A dropdown menu with '-Select-' as the current selection.
- Total Copies: A text input field with a placeholder '#####'.
- Available Copies: A text input field with a placeholder '#####'.
- Reserved Copies: A text input field with a placeholder '#####'.
- Status: A dropdown menu with '-Select-' as the current selection.
- Book Location: A text input field.
- Last Updated: A text input field with a placeholder 'dd-MMM-yyyy'.

At the bottom of the form, there are 'Submit' and 'Reset' buttons. The sidebar on the left shows the 'Book Availability & Inven...' menu item selected. The top navigation bar indicates 'Trial expires in 7 days' and provides links for 'Upgrade', 'Edit this application', and 'Help'.

Step 8: Enter the book availability details.



The screenshot shows the same web application interface, but the form is now filled with data:

- Book Reservation: TY89
- Book Title: The Phychology Of Money
- Author: Nicolas
- Book Genre: Science
- Total Copies: 19
- Available Copies: 5
- Reserved Copies: 2
- Status: Available
- Book Location: 1st Floor, Second Row 3rd shelf
- Last Updated: 14-Feb-2025

The 'Submit' and 'Reset' buttons are still present at the bottom of the form. The sidebar and top navigation bar remain the same as in the previous screenshot.

RESULT : The Library Management System has been created Successfully.