

EXPERIMENT-5

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

AIM: To design and deploy a cloud-based Library Book Reservation System for SIMATS Library using Zoho Creator to demonstrate the Software as a Service (SaaS) model.

PROCEDURE:

1. Open <https://creator.zoho.com> and log in using a Zoho account.
2. Click Create Application → Blank App.
3. Enter the application name as SIMATS Library Book Reservation System and click Create.
4. Create one form named Library Book Reservation Form.
5. Add the following fields in the form:
 - Student Name (Single Line)
 - Register Number (Single Line)
 - Department (Dropdown)
 - Book Title (Single Line)
 - Reservation Date (Date)
 - Return Date (Date)
6. Set required fields and basic validation where necessary.
7. Save the form and enable user access permissions.
8. Create a Report from the same form to view all book reservations.
9. Click Access This App → Publish to deploy the application on the cloud.
10. Share the published application link with SIMATS students for online book reservation.

OUTPUT:

The screenshot shows a web browser displaying the 'Library Book Reservation Form' within the Zoho Creator application. The browser's address bar shows the URL: `creatorapp.zoho.in/harshithav2385.sse.saveet/simats-library-book-reservation-system/#Form:Library Book Reservation Form`. The application header includes the title 'SIMATS Library Book Reservation System', a trial expiration notice 'Trial expires in 15 days', and links for 'Upgrade', 'Edit this application', and 'Help'. On the left, a sidebar menu contains 'Library Book Reservation...' and 'Library Book Reservation ...'. The main form area is titled 'Library Book Reservation Form.' and contains the following fields: 'Name' (split into 'First Name' with value 'HARSHI' and 'Last Name' with value 'V'), 'REG.NO' (192372385), 'DEPT' (CSAI), 'BOOK NAME' (CLOUD COMPUTING RESOURCES), 'RESERVATION DATE' (16-Dec-2025), 'RETURN DATE' (19-Dec-2025), and 'Phone' (+91 8123456789). A blue 'Submit' button is located at the bottom of the form. The bottom of the browser window shows a Windows taskbar with various icons and a system tray displaying '24°C Mostly clear' and the date '17-12-2025'.

The screenshot shows the 'Library Book Reservation Form, Report' view in Zoho Creator. The browser address bar shows the URL: `creatorapp.zoho.in/harshithav2385.sse.saveet/simats-library-book-reservation-system/#Report:Library Book Reservation Form, Report`. The application header is identical to the form view. The sidebar menu is also the same. The main report area is titled 'Library Book Reservation Form, Report' and displays a table with the following data:

Name	REG.NO	DEPT	BOOK NAME	RESERVATION DATE	RETURN DATE	Phone
HARSHI V	192372385	CSAI	CLOUD COMPUTING RESOURCES	16 Dec 2025	19 Dec 2025	+918123456789

Below the table, it indicates 'Showing 1 of 1'. The bottom of the browser window shows the same Windows taskbar and system tray as the previous screenshot.

RESULT:

A cloud-based Library Book Reservation System for SIMATS Library was successfully created and deployed using Zoho Creator, demonstrating the SaaS cloud computing model.