

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 window displaying the 'Book Reservation' form within the Zoho Creator application. The browser's address bar shows the URL: `creatorapp.zoho.in/sandeepnallamalli/environment/development/library-book-reservation/#Form:Book_Reservation`. The application interface includes a sidebar with 'Library book reservation' and 'Book Reservations' sections. The main form area is titled 'Book Reservation' and contains the following fields:

- Student name:
- Register number:
- Gender: ☒ Male, ☐ Female
- Department:
- Book Title:
- Reservation Date:
- Return Date:
- Submit button

The screenshot shows the 'All Book Reservations' report within the Zoho Creator application. The browser's address bar shows the URL: `creatorapp.zoho.in/sandeepnallamalli/environment/development/library-book-reservation/#Report:All_Book_Reservations`. The application interface includes a sidebar with 'Library book reservation' and 'Book Reservations' sections. The main report area is titled 'All Book Reservations' and displays a table with the following data:

Student name	Department	Register number	Book Title	Reservation Date	Return Date	Gender
Althaf	ECE	19236289	Electronic communication	26-Dec-2025	29-Dec-2025	Male
sandeep	CSE	192372026	Cloud computing Resources	19-Dec-2025	21-Dec-2025	Male

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.