

Exp 04: Create a simple cloud software application for a Library book reservation system for the SIMATS library using any Cloud Service Provider to demonstrate SaaS.

Aim

To design and implement a simple cloud-based Library Book Reservation System for SIMATS library using Zoho Creator as a Cloud Service Provider, thereby demonstrating the Software as a Service (SaaS) model.

Procedure

1. Login to Zoho Creator → Create a new application named “SIMATS Library Reservation System”.
2. Create Forms → Build forms such as *Student Registration, Book Catalog, Reservation Request, and Issue/Return*.
3. Define Fields → Add fields like Student Name, ID, Book Title, Author, Date of Reservation, Issue Date, Return Date.
4. Set Workflows → Automate approval when a student reserves a book and send email/SMS notifications.
5. Design Reports → Generate reports such as *Available Books, Reserved Books, and Overdue Returns*.
6. Deploy as SaaS → Publish the app, provide cloud access to students and staff, and allow usage through web/mobile.

Output

The screenshot shows the 'All Reservations' page of the SIMATS Library Reservation application. The left sidebar has a dark theme with white text and includes links for 'Books', 'Members', 'Reservations' (with a dropdown arrow), 'Reservations' (highlighted in blue), and 'All Reservations' (which is currently selected and highlighted in blue). Below these are 'LibraryConfig' and a separator line. The main content area has a light gray header with the title 'All Reservations'. It contains a search bar, a '+' button, and a three-dot menu icon. Below the header is a table with the following data:

	Members	Books	Date-Time	Status	Pickup deadline	AdminNotes
	330447000000012025	330447000000012019	19-Aug-2025 14:27:33	collected	18-Aug-2025	hi nice book

All Members						
	Name	Email	Phone	Enrollement ID	Role	SighupDate
	sam yam	smk414670@gmail.com	+918220911995	12y678u9	member	19-Aug-2025

All Books						
	Title	Author	Category	Total Copies	Available Copies	Status
	five feet apart	freukdilan	Arts	12	1345466	Active

Result

A simple cloud-based Library Book Reservation System was successfully created and deployed in Zoho Creator as a SaaS application. Students can reserve, borrow, and return books online, while the library can manage records efficiently.