

EXPERIMENT-5

AIM

To design and deploy a simple Library Book Reservation System for SIMATS library using a Cloud Service Provider (CSP) and demonstrate the concept of Software as a Service (SaaS).

PROCEDURE

1. Select a Cloud Service Provider
 - Options: Zoho Creator (no-code SaaS builder), Google Cloud App Engine, AWS Elastic Beanstalk, Azure Web Apps, or Heroku.
 - For easy demonstration, Zoho Creator is recommended.
2. Create a New Application
 - Login to Zoho Creator.
 - Create a new app named “SIMATS Library Reservation System”.
3. Design the Reservation Form

Add fields for book reservation details:

 - Student Name (Text)
 - Roll Number (Number)
 - Department (Dropdown: CSE, ECE, MECH, CIVIL, etc.)
 - Book Title (Text)
 - Author (Text)
 - Reservation Date (Date Picker)
 - Contact Email (Email field)
4. Create a Report View
 - Add a Table/Report View to display all reserved books.
 - Allow search & filter by Department, Book Title, and Date.
5. Deploy the Application
 - Publish the app to the cloud.
 - A public URL will be generated (e.g., <https://creatorapp.zoho.com/simats-library-reservation>).
6. Demonstrate SaaS
 - Multiple students can open the link in their browser.

- They can reserve books online without installing software.
- Librarians can monitor reservations in real-time via the dashboard.

OUTPUT

simats library	All Student Details			
	Student Details	Student Name	Phone Number	college mail-id
	student details	Nisha kannan	+91123456780	1234@gmail.com
	All Student Details			

simats library	book choosen Report			
	Book Id	Author	Book Title	Student Id
	567	williamson	the life of pi	1234
	book choosen Report			

simats library	All Exits	
	Student Id	Exit Time
	1234	2:30 pm
	All Exits	

RESULT

A Library Book Reservation System for SIMATS Library was successfully developed and deployed on the cloud. The application can be accessed by students and librarians via a web browser without installation, thus demonstrating the concept of Software as a Service (SaaS).