EXPERIMENT-5

AIM

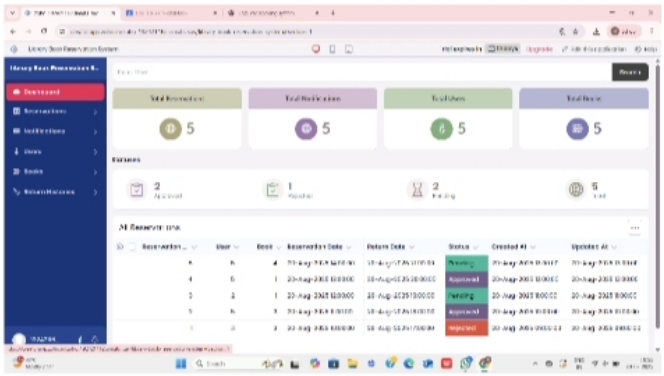
To design and deploy a simple Library Book Reservation System for SIMATS library using a Cloud Service Provider (CSP) and demonstrate the concept of Software as a Service (SaaS).

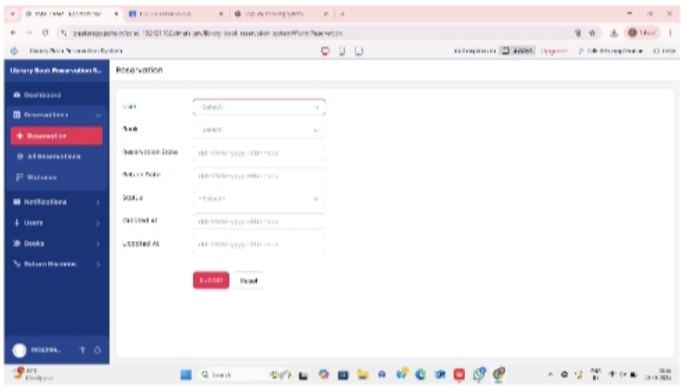
PROCEDURE

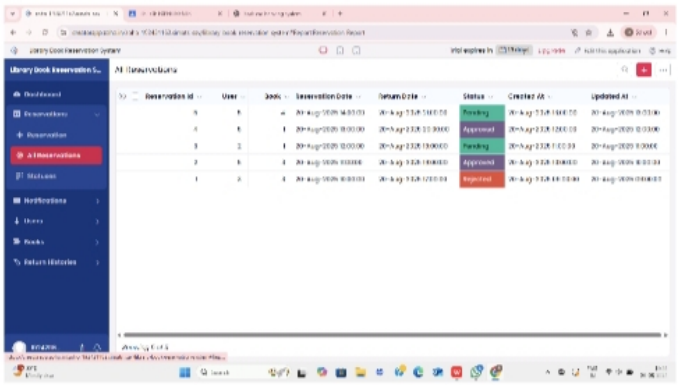
1. Select a Cloud Service Provider
    - Options: Zoho Creator (no-code SaaS builder), Google Cloud App Engine, AWS Elastic Beanstalk, Azure Web Apps, or Heroku.
    - For easy demonstration, Zoho Creator is recommended.
2. Create a New Application
    - Login to Zoho Creator.
    - Create a new app 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

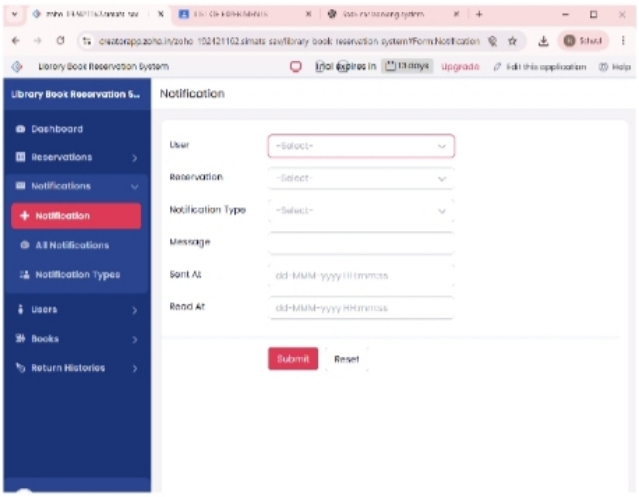
- Multiple students can open the link in their browser.
- They can reserve books online without installing software.
- Librarians can monitor reservations in real-time via the dashboard.

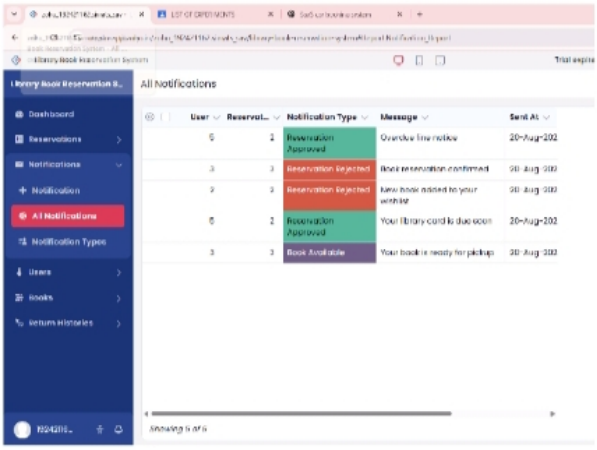
OUTPUT

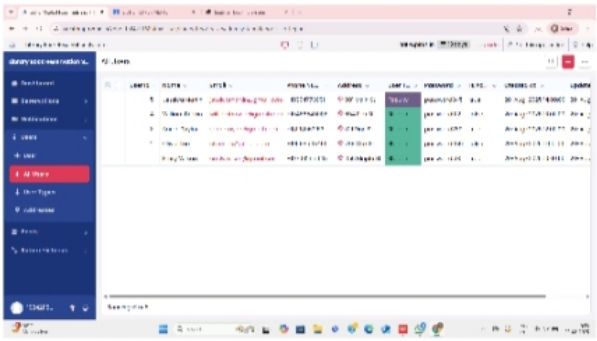


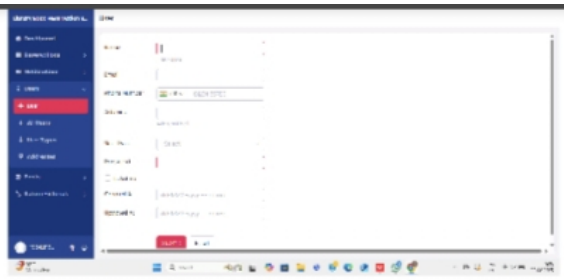


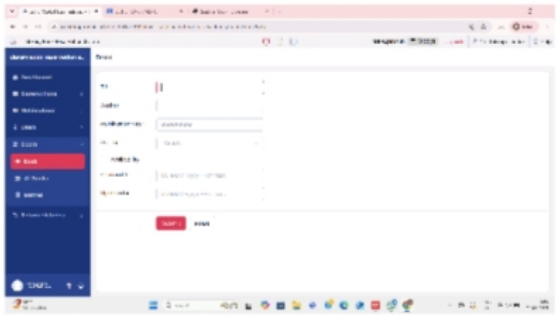



Library Book Reservation System
Trial expires in 13 days
Upgrade
Edit this application
Help
Library Book Reservation S...
Notification
Dashboard
Reservations
Notifications
Notification
All Notifications
Notification Types
Users
Books
Return Histories
User
-Select-
Reservation
-Select-
Notification Type
-Select-
Message
Sent At
dd-MMM-yyyy hh:mm:ss
Read At
dd-MMM-yyyy hh:mm:ss
Submit
Reset


All Notifications
User
Reservat...
Notification Type
Message
Sent At
Reservation Approved
Overdue fine notice
20-Aug-202
Reservation Rejected
Book reservation confirmed
Reservation Rejected
New book added to your wishlist
Reservation Approved
Your library card is due soon
20-Aug-202
Book Available
Your book is ready for pickup
Showing 5 of 5







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).