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

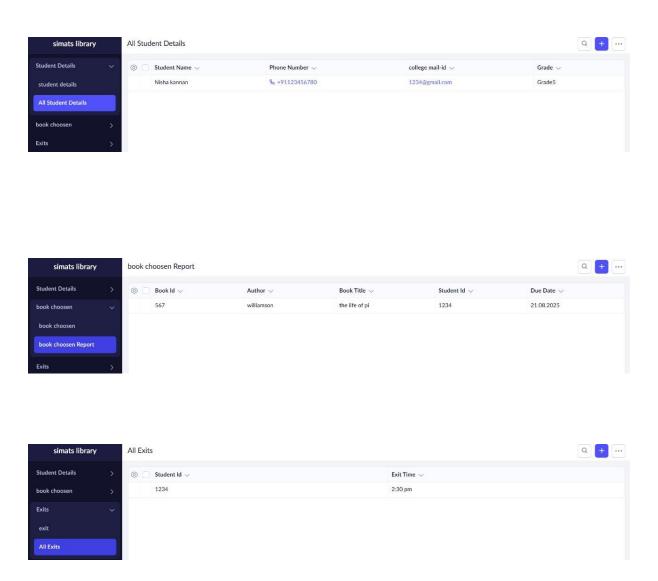
- 1. Select a Cloud Service Provider
 - Options: Zoho Creator (no-code SaaS builder), Google Cloud App Engine,
 AWS Elastic Beanstalk, Azure Web Apps, or Heroku.
 - o For easy demonstration, Zoho Creator is recommended.
- 2. Create a New Application
 - Login to Zoho Creator.
 - o Create a new app named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

Add fields for book reservation details:

- Student Name (Text)
- o Roll Number (Number)
- o Department (Dropdown: CSE, ECE, MECH, CIVIL, etc.)
- Book Title (Text)
- o Author (Text)
- Reservation Date (Date Picker)
- Contact Email (Email field)
- 4. Create a Report View
 - o Add a Table/Report View to display all reserved books.
 - o 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/simatslibrary-reservation).
- 6. Demonstrate SaaS
 - o Multiple students can open the link in their browser.

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

OUTPUT



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).