

EXPERIMENT-5:

AIM:

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

ALGORITHM:

To create a simple cloud software application for a library book reservation system for SIMATS library using Zoho, we can utilize Zoho Creator, which is a low-code platform for building custom applications. Here's how you can do it:

1. Sign up for Zoho Creator: If you haven't already, sign up for a Zoho Creator account.
2. Create a New Application: Once logged in to Zoho Creator, click on the "Create Application" button to start a new application.
3. Design Your Database: Define the database structure for your application. Create forms to capture information about books, users, reservations, etc. Include fields such as book title, author, ISBN, user details, reservation dates, etc.
4. Build Forms and Views: Use Zoho Creator's drag-and-drop interface to design forms for book listings, user registration, reservation requests, etc. Create views to display book listings, user profiles, reservation details, etc.
5. Implement Business Logic: Define workflows and automation using Zoho Creator's scripting language, Deluge. Implement logic for user authentication, book search, reservation management, notifications, etc.
6. User Authentication: Set up user authentication and access control to ensure secure access to the application. Define roles and permissions for different types of users (students, faculty, librarians, admins, etc.).
7. Integrate with Zoho Services: Utilize Zoho's suite of services for additional functionality. For example, you can use Zoho CRM for managing customer relationships, Zoho Books for handling payments and invoices (if applicable), Zoho Campaigns for email notifications, etc.
8. Design User Interface: Customize the user interface of your application to match your branding and provide a seamless user experience. Use themes, layouts, and widgets available in Zoho Creator to design a visually appealing interface.

9. Testing and Debugging: Thoroughly test your application to ensure that it functions correctly. Test different scenarios, user interactions, and edge cases. Use Zoho Creator's debugging tools to identify and fix any issues.

10. Deployment: Once your application is ready, deploy it to production. Zoho Creator provides options to publish your application on the web or embed it within your website. Make sure to configure appropriate security settings and domain mapping.

11. Maintenance and Updates: Regularly maintain and update your application to fix bugs, add new features, and improve performance based on user feedback. Monitor application usage and performance using Zoho Creator's analytics tools.

OUTPUT:

All Library Reservations			<div>< ></div> <div>Edit Duplicate More ▾ ×</div>	
🔍	Name ▾	Email ▾	Address ▾	
...	Nithin k	nithinsiva920@gmail.com	abcd, efgh, vellore, tamilnadu, 635802, India	
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