

EXPERIMENT-2

AIM

To design and deploy a simple **Flight Reservation System** as a **cloud-based software application** using a Cloud Service Provider (CSP), and to demonstrate **Software as a Service (SaaS)**, where users can access the application through the internet.

PROCEDURE

1. Select a Cloud Service Provider

- Choose a CSP like **Zoho Creator**, **AWS (Elastic Beanstalk)**, **Google Cloud App Engine**, **Azure Web Apps**, or **Heroku**.
- For simplicity, **Zoho Creator** or **Heroku** is recommended (no/low code + free tier).

2. Design the Application

- Create a new application called **Flight Reservation System**.
- Add a **Form** with fields such as:
 - Passenger Name (Text)
 - Flight Number (Text/Dropdown)
 - Source Airport (Dropdown)
 - Destination Airport (Dropdown)
 - Travel Date (Date Picker)
 - Number of Seats (Number)

3. Create a Report View

- Add a **Table/Report View** to display booked reservations.
- Ensure data can be stored, retrieved, and viewed by multiple users.

4. Deploy the Application

- Publish the application on the selected cloud provider.
- Generate a public access URL for the application.

5. Demonstrate SaaS

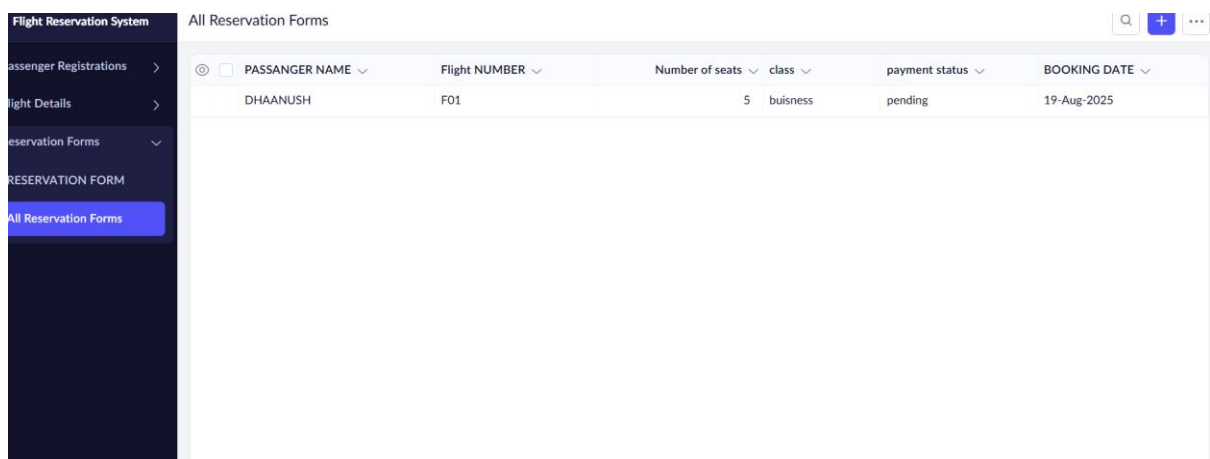
- Users open the application in their browser.
- They can book a flight by submitting details.
- The application stores data in the cloud and displays it in a report view.

INPUT

Example data entered by a user:

- Passenger Name: *Hariharan*
- Flight Number: *AI-202*
- Source Airport: *Chennai (MAA)*
- Destination Airport: *Delhi (DEL)*
- Travel Date: *20-Aug-2025*
- Number of Seats: *2*

OUTPUT



The screenshot displays the 'Flight Reservation System' interface. On the left is a dark sidebar with navigation links: 'Passenger Registrations', 'Flight Details', 'Reservation Forms', 'RESERVATION FORM', and 'All Reservation Forms' (highlighted in blue). The main area is titled 'All Reservation Forms' and contains a table with the following data:

<input type="checkbox"/>	PASSANGER NAME ▾	Flight NUMBER ▾	Number of seats ▾	class ▾	payment status ▾	BOOKING DATE ▾
<input type="checkbox"/>	DHAANUSH	F01	5	buisness	pending	19-Aug-2025

RESULT

A Flight Reservation System was successfully created and deployed on the cloud. The application can be accessed by multiple users via a web browser, without installation, thus proving the concept of Software as a Service (SaaS).