

## EXPERIMENT – 2

**Create a simple cloud software application for Flight Reservation System using any Cloud Service Provider to demonstrate SaaS.**

### AIM:

The aim of this project is to design and deploy a **Flight Reservation System** as a **Software as a Service (SaaS)** application using a cloud service provider. The system enables users to search flights, book tickets, and manage passenger details through a web-based platform accessible from anywhere.

### ALGORITHM:

1. Create an account and log in to the cloud service provider.
2. Create a new cloud application named **Flight Reservation System**.
3. Design forms for flight details, passenger information, and ticket booking.
4. Store data such as flight number, source, destination, date, and fare.
5. Allow users to search available flights based on travel details.
6. Enable ticket booking and passenger data entry.
7. Implement basic validation and confirmation workflows.
8. Deploy the application on the cloud platform.
9. Allow users to access the application via a web browser as a SaaS.

# INPUT:

## 1.Flight

## Details

The screenshot displays the 'Flight Reservation System' web application. The left sidebar contains a menu with 'Flight Details' selected. The main content area is titled 'Flight Details' and contains a form with the following fields:

- Flight ID: 192311378
- Air Line Name: SID Airlines
- Source: HYD
- Destination: CHENNAI
- Departure Time: 18-Dec-2025
- Arrival Time: 19-Dec-2025
- Available Seats: 14
- Ticket Price: 6,000

A 'Submit' button is located at the bottom of the form. The browser's address bar shows the URL: `creatorapp.zoho.in/siddarta/flight-reservation-system#Form:Flight_Details`. The top right corner indicates a trial expires in 14 days.

## 2.Passenger Details

The screenshot displays the 'Flight Reservation System' web application. The left sidebar contains a menu with 'Passenger Details' selected. The main content area is titled 'Passenger Details' and contains a form with the following fields:

- Passenger ID: 192311378
- Passenger Name: M.Siddarta
- Age: 21
- Drop Down: MALE
- Phone Number: +91 8555020921
- Email: siddarta@gmail.com

A 'Submit' button is located at the bottom of the form. The browser's address bar shows the URL: `creatorapp.zoho.in/siddarta/flight-reservation-system#Form:Passenger_Details`. The top right corner indicates a trial expires in 14 days.

### 3.Flight Bookings

The screenshot shows the 'Flight Booking' form in the 'Flight Reservation System'. The form includes the following fields:

- Booking ID: 192311378
- Flight Details: 192311378 (with a dropdown arrow)
- Passenger Details: 192311378 (with a dropdown arrow)
- Booking Date: 18-Dec-2025
- Number Of Seats: 3
- Booking Status: Confirmed (with a dropdown arrow)

A 'Submit' button is located below the form fields. The left sidebar shows the navigation menu with 'Flight Booking' highlighted. The top bar indicates a trial expires in 14 days and provides links for 'Upgrade', 'Edit this application', and 'Help'.

### Output:

#### 1.Flight Details

The screenshot shows the 'All Flight Details' report in the 'Flight Reservation System'. The report displays a table with the following columns: Flight ID, Air Line Name, Source, and Destination. The table contains one row of data for Flight ID 192311378, Air Line Name SID Airlines, Source HYD, and Destination CHENNAI. To the right of the table, there is a detailed view of the flight information, including the Flight ID, Air Line Name, Source, Destination, Departure Time, Arival Time, Available Seats, and Ticket Price. The left sidebar shows the navigation menu with 'All Flight Details' highlighted. The top bar indicates a trial expires in 14 days and provides links for 'Upgrade', 'Edit this application', and 'Help'.

Flight ID	Air Line Name	Source	Destination
192311378	SID Airlines	HYD	CHENNAI

  

Flight ID	192311378
Air Line Name	SID Airlines
Source	HYD
Destination	CHENNAI
Departure Time	18-Dec-2025
Arival Time	19-Dec-2025
Available Seats	14
Ticket Price	₹ 6,000.00

Showing 1 of 1

## 2.Passenger Details

The screenshot displays the 'Flight Reservation System' interface. The left sidebar shows a navigation menu with 'Flight Details', 'Passenger Details', and 'Flight Bookings'. The 'Passenger Details' section is active, showing a table with one entry for Passenger ID 192311378, Passenger Name M.Siddarta, Age 21, and Gender Male. A detailed view of this passenger is shown on the right, including fields for Passenger ID, Passenger Name, Age, Drop Down (MALE), Phone Number (+918555020921), and Email (sliddarta@gmail.com). The interface also includes a trial expiration notice (14 days) and a user profile at the bottom left.

Passenger ID	Passenger Name	Age	Gender
192311378	M.Siddarta	21	Male

Passenger ID	192311378
Passenger Name	M.Siddarta
Age	21
Drop Down	MALE
Phone Number	+918555020921
Email	sliddarta@gmail.com

## 3.Flight Bookings

The screenshot displays the 'Flight Reservation System' interface. The left sidebar shows a navigation menu with 'Flight Details', 'Passenger Details', and 'Flight Bookings'. The 'Flight Bookings' section is active, showing a table with one entry for Booking ID 192311378, Flight Details 192311378, Passenger Details 192311378, and Booking Date 18-Dec-2025. A detailed view of this booking is shown on the right, including fields for Booking ID, Flight Details, Passenger Details, Booking Date, Number Of Seats (3), Total Amount (18000.0), and Booking Status (Confirmed). The interface also includes a trial expiration notice (14 days) and a user profile at the bottom left.

Booking ID	Flight Details	Passenger Details	Booking Date
192311378	192311378	192311378	18-Dec-2025

Booking ID	192311378
Flight Details	192311378
Passenger Details	192311378
Booking Date	18-Dec-2025
Number Of Seats	3
Total Amount	18000.0
Booking Status	Confirmed

Result:

The Flight Reservation System was successfully developed and deployed as a SaaS application on the cloud. Users can search flights and book tickets online, demonstrating the benefits of cloud-based software such as accessibility, scalability, and ease of use.

