

## **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 shows a web browser window for a 'Flight Reservation System'. The main content area is titled 'Flight Details' and contains 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

Below the form is a blue 'Submit' button.

### 2.Passenger Details

The screenshot shows a web browser window for a 'Flight Reservation System'. The main content area is titled 'Passenger Details' and contains the following fields:

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

Below the form is a blue 'Submit' button.

### 3.Flight Bookings

The screenshot shows a web-based flight booking application. On the left, a sidebar menu lists 'Flight Details', 'Passenger Details', 'Flight Bookings' (selected), and 'All Flight Bookings'. The main area is titled 'Flight Booking' and contains the following fields:

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

A blue 'Submit' button is located at the bottom of the form.

### Output:

#### 1.Flight Details

The screenshot shows a report titled 'All Flight Details' in the sidebar. The main area displays a table with flight information for flight ID 192311378. The table has columns: Flight ID, Air Line Name, Source, and Destination.

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

To the right of the table, there is a detailed view of the flight's properties:

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

At the bottom of the report, it says 'Showing 1 of 1'.

## 2.Pasenger Details

The screenshot shows a web-based application interface for a flight reservation system. On the left, a sidebar menu titled "Flight Reservation System" includes options like "Flight Details", "Passenger Details", "Flight Bookings", and "All Passenger Details". The main content area is titled "All Passenger Details" and displays a table with one row of data. The table columns are "Passenger ID", "Passenger Name", "Age", and "Gender". The data row shows: Passenger ID 192311378, Passenger Name M.Siddarta, Age 21, and Gender MALE. To the right of the table is a detailed view panel showing the same information in a grid format. At the bottom of the main content area, it says "Showing 1 of 1".

## 3.Flight Bookings

The screenshot shows the same web-based application interface for a flight reservation system. The sidebar menu is identical to the previous screenshot. The main content area is titled "All Flight Bookings" and displays a table with one row of data. The table columns are "Booking ID", "Flight Details", "Passenger Details", and "Booking Date". The data row shows: Booking ID 192311378, Flight Details 192311378, Passenger Details 192311378, and Booking Date 18-Dec-25. To the right of the table is a detailed view panel showing the same information in a grid format. At the bottom of the main content area, it says "Showing 1 of 1".

**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.

