

# **FLIGHT RESERVATION SYSTEM**

## **EXPERIMENT -2**

### **AIM:**

To Create a simple cloud software application and provide it as a service using any Cloud Service Provider to demonstrate Software as a Service (SaaS).

### **PROCEDURE:**

1. Go to <https://creator.zoho.com> on your browser. If you already have a Zoho account, click Sign In and enter your details; if not, click Sign Up Now and create a new account by following the on-screen instructions.
2. Once logged in, you'll be taken to your Zoho Creator dashboard. Look for the Create Application button (usually on the homepage or top-right corner) and click on it to start building your app.
3. You'll see options to create using a template, import data, or start fresh. Choose Create from Scratch so you can build the app exactly the way you want, without any predefined structure.
4. A prompt will appear asking you to name your application. Enter a meaningful name like Flight Reservation System, then click the Create button to proceed.
5. Inside your new app workspace, click on Create New Form to design your first data entry form. In this app, you will need three main forms:
  - Flight Details Form – for adding flight information.
  - Passenger Booking Form – for booking flights by passengers.
  - Ticket Status Form – for checking and updating ticket status.

6. Use the form builder to add fields by dragging and dropping from the left panel:
  - For Flight Details Form: Flight Number, Source, Destination, Departure Time, Arrival Time, Seat Capacity.
  - For Passenger Booking Form: Passenger Name, Age, Gender, Contact, Flight (lookup from Flight Details), Number of Tickets.
  - For Ticket Status Form: Booking ID (lookup), Status (Confirmed / Pending / Cancelled), Remarks.
7. After arranging and customizing all the fields in each form, click the Done button to save your forms. This ensures your design is stored and ready to be used.
8. Zoho Creator will now automatically create a Report linked to each form. These reports appear as table views where you can see and manage submitted data entries.
9. You can configure workflows such as:
  - Auto-generate ticket confirmation after booking.
  - Send confirmation emails or SMS to passengers using Deluge scripts.
  - Automatically update seat availability.
10. Configure User Roles and Permissions:
  - Admin: Full access to all forms and data.
  - Passenger: Can book flights and check ticket status only.

11. Click on Access this Application (usually shown as a green button) to preview and test your Flight Reservation System. Try submitting a booking form and verify ticket status changes in real-time.
12. To demonstrate SaaS, share the application with users (via email or public link). This allows multi-user cloud access without requiring local software installation.

FORM 1:

Reservation

Flight

-Select-

Passenger

-Select-

Seat Assignment

Reservation Date

dd-MMM-yyyy HH:mm:ss

Status

-Select-

Submit

Reset

All Reservations

		Reservation Id	Flight	Passenger	Seat Assignment	Reservation Date	Status
		5	2	2	Seat 5E	29-Jul-2025 14:00:00	Cancelled
		4	5	1	Seat 4D	29-Jul-2025 13:00:00	Cancelled
		3	2	1	Seat 2B	29-Jul-2025 12:00:00	Modified
		2	4	3	Seat 3C	29-Jul-2025 11:00:00	Modified
		1	4	4	Seat 1A	29-Jul-2025 10:00:00	Modified

FORM 2:

Cancellation

Reservation

-Select-

Cancellation Date

dd-MMM-yyyy HH:mm:ss

Cancellation Reason

Submit

Reset

All Cancellations

	Reservation	Cancellation Date	Cancellation Reason
	2	29-Jul-2025 18:00:00	Flight Cancellation Due to Air Traffic Control
	3	29-Jul-2025 16:00:00	Flight Overbooked
	4	29-Jul-2025 14:00:00	Passenger No Show
	3	29-Jul-2025 12:00:00	Flight Cancellation Due to Technical Issues
	3	29-Jul-2025 10:00:00	Flight Delayed Due to Weather

FORM 3:

Flight

Flight Number

Departure Airport

Arrival Airport

Departure Time

dd-MMM-yyyy HH:mm:ss

Arrival Time

dd-MMM-yyyy HH:mm:ss

Flight Status

-Select- ▾

Price

#####.##

Seats

#####

Submit

Reset

All Flights

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🔍	📄	Flight Id ▾	Flight Numb... ▾	Departure Airport ▾	Arrival Airport ▾	Departure Time ▾	Arrival Time ▾	Flight Stat... ▾	Price ▾	Seats ▾
		5	FL005	MIA	LAX	29-Jul-2025 12:00:00	29-Jul-2025 15:00:00	On Time	\$ 130.50	350
		4	FL004	JFK	MIA	29-Jul-2025 11:00:00	29-Jul-2025 14:00:00	Delayed	\$ 100.25	250
		3	FL003	ORD	JFK	29-Jul-2025 10:00:00	29-Jul-2025 13:00:00	Cancelled	\$ 180.00	400
		2	FL002	LAX	ORD	29-Jul-2025 09:00:00	29-Jul-2025 12:00:00	Delayed	\$ 150.75	300
		1	FL001	JFK	LAX	29-Jul-2025 08:00:00	29-Jul-2025 11:00:00	Delayed	\$ 120.50	200

## **RESULT:**

Thus, the Flight Reservation System cloud software application was successfully developed and deployed using Zoho Creator. The application was tested and verified for proper functionality. It demonstrated the key features of Software as a Service (SaaS), allowing users to access and manage flight bookings over the internet in real-time