

EXPERIMENT – 4

Create a simple cloud software application for Car Booking Reservation

System using any Cloud Service Provider to demonstrate SaaS.

AIM:

The aim of this project is to design and deploy a **Car Booking Reservation System** as a **Software as a Service (SaaS)** application using a cloud service provider. The system enables users to book cars online, manage reservations, and view booking details through a web-based platform.

ALGORITHM:

1. Create an account and log in to the cloud service provider.
2. Create a new cloud application named **Car Booking Reservation System**.
3. Design forms for car details, customer information, and booking details.
4. Store data such as car type, registration number, availability, and price.
5. Allow users to select a car, booking date, and duration.
6. Validate availability and confirm booking.
7. Save booking information securely in the cloud database.
8. Deploy the application on the cloud platform.
9. Allow users to access the system through a web browser as a SaaS application.

INPUT:

1.Car

Details

The screenshot shows a web-based application interface for a car booking system. On the left, there is a dark sidebar with navigation links: 'Car Details' (selected), 'Customer_Details', and 'Car_Booking'. The main content area is titled 'Car Details' and contains the following fields:

Car ID	192311378
Car Name	Defender Octa
Car Type	SUV
Fuel Type	Petrol
Price Per Day	17,000
Drop Down	Available

At the bottom right of the form is a blue 'Submit' button.

2.Customer Details

The screenshot shows the same web-based application interface, now on the 'Customer_Details' page. The sidebar remains the same. The main content area is titled 'Customer_Details' and contains the following fields:

Customer ID	183
Customer Name	Macherla Siddarta
Phone Number	+91 08555020921
Email	siddarta@gmail.com
Driving License No	J12080009655

At the bottom right of the form is a blue 'Submit' button.

3.Car Booking Details

The screenshot shows a web-based application interface for a car booking system. The main title is "Car_Booking". On the left, there is a sidebar with a dark theme containing the following navigation items:

- Car Details
- Customer_Details
- Car_Booking
- Car_Booking** (highlighted in blue)
- Car_Booking Report

The main content area contains the following form fields:

Booking ID	192311
Car Details	SUV
Customer_Details	Macherla Siddarta
Start Date	20-Dec-2025
End Date	22-Dec-2025
Price Per Day	17000
Total Days	2

At the bottom of the form is a blue "Submit" button.

Output:

1.Car Details

The screenshot shows a report titled "All_Car_Details". The sidebar on the left includes the following items:

- Car Details
- Car Details
- All_Car_Details** (highlighted in blue)
- Customer_Details
- Car_Booking

The main content area displays a table with columns: Car ID, Car Name, and Car Type. A single row is selected, showing the details:

192311378	Defender Octa	SUV
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To the right of the table is a detailed view of the selected car's information:

Car ID	192311378
Car Name	Defender Octa
Car Type	SUV
Fuel Type	Petrol
Price Per Day	₹ 17,000.00
Drop Down	Available

At the bottom of the page, it says "Showing 1 of 1".

2.Customer Details

The screenshot shows a report titled "Customer_Details Report" within a "Car Booking Reservation System" application. The report displays customer details for a specific record. The interface includes a sidebar with navigation links like "Car Details", "Customer_Details", and "Customer_Details Report". The main content area shows a table with columns: Customer ID, Customer Name, and Phone Number. A detailed view panel on the right shows the following data:

Customer ID	183
Customer Name	Macherla Siddarta
Phone Number	+918555020921
Email	siddarta@gmail.com
Driving License No	812080009655

At the bottom, there is a link to "Add a comment".

3.Car Booking Details

The screenshot shows a report titled "Car_Booking Report" within a "Car Booking Reservation System" application. The report displays car booking details for a specific record. The interface includes a sidebar with navigation links like "Car Details", "Customer_Details", and "Car_Booking". The main content area shows a table with columns: Booking ID, Car Details, Customer_Details, and Start Date. A detailed view panel on the right shows the following data:

Booking ID	192311
Car Details	SUV
Customer_Details	Macherla Siddarta
Start Date	20-Dec-2025
End Date	22-Dec-2025
Total Days	172800000
Price Per Day	17000
Total Days	2

At the bottom, there is a link to "Add a comment".

Result:

The Car Booking Reservation System was successfully developed and deployed as a SaaS application on the cloud. Users can book cars online and manage reservations efficiently with anytime, anywhere access.

