

EXP 04 : -Create a simple cloud software application for Car Booking Reservation System using any Cloud Service Provider to demonstrate SaaS.

Aim

To design, develop, and deploy a **cloud-based Car Booking Reservation System** and deliver it as **Software as a Service (SaaS)** using a cloud service provider, allowing users to book cars online through a web browser without installing any software.

Procedure

1. **Requirement Analysis**
Identified the need for an online car booking system that enables users to view available cars and make reservations remotely.
2. **Application Design**
Designed a simple web interface to display car details such as car model, booking type, and price, along with a booking option.
3. **Application Development**
Developed the application using **Python (Flask)** for backend processing and **HTML** for the user interface.
4. **Cloud Service Provider Selection**
Selected **Amazon Web Services** as the cloud service provider.
5. **Cloud Environment Setup**
Configured the cloud environment using **Elastic Beanstalk** to host and manage the web application.
6. **Application Deployment**
Deployed the Car Booking Reservation application on the AWS cloud and obtained a public URL.
7. **Testing**
Tested the application by accessing it through a web browser, viewing available cars, and submitting booking details.
8. **SaaS Verification**
Verified that the application can be accessed online anytime without installation, confirming SaaS delivery.

Output :-

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creatorapp.zoho.in/krishnamrajsujith1101.ss/environment/development/rental-management-system#Form:Rental_service

Car Booking management Development View as -MySelf- Trial expires in 2 days Upgrade Edit this application Help

Rental service

Phone * +91 1234567809

Checkbox * Bike Car Scooty

Fuel Type Petrol

Time 12:01:46

Price 1000

Availability Status Available

Drop Down 18-24

Checkbox * Photo proof

Drop Down * Aadhar

Payment Method Upi

Type here to search 23°C Mostly clear 23:02 ENG 20-01-2026

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creatorapp.zoho.in/krishnamrajsujith1101.ss/environment/development/rental-management-system#Report:All_Rental_Services

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All Rental Services

Name	Phone	Time	Checkbox	Price	Availability Status	Fuel Type	Signature
Raja Sujith	+919515412006	16:34:06	Car	₹ 4,000.00	Available	Petrol	✓

Type here to search 23°C Mostly clear 23:02 ENG 20-01-2026

The screenshot shows the 'Return Car' form in the Zoho Creator application. The form fields are as follows:

- Name: K.Raja Sujith
- Phone: +91 1234567890
- Return Date: 21-Jan-2026
- Return Time: 12:03:21
- Damage Report: none
- Return Payment Status: Paid
- Fuel level: Low
- Delay Hours: 0
- Customer Signature: Placeholder 'Draw your signature' [Clear]

The screenshot shows the 'All Cars' report in the Zoho Creator application. The table displays the following data:

Name	Phone	Return Date	Return Time	Damage Report	Return Payment Status	Fuel level
K.Raja Sujith	+911234567890	21-Jan-2026	12:03:21	none	Paid	Low
K.Raja Sujith	+919515412006	08-Jan-2026	14:00:00	None	Paid	Low

A success message 'Car Returned Successfully' is displayed above the table.

Result

The **Car Booking Reservation System** was successfully developed and deployed on the cloud and provided as **Software as a Service (SaaS)**. Users were able to access the application through a web browser, view available cars, and make reservations online, demonstrating successful implementation of the SaaS cloud service model.

