EXP 02 : -Create a simple cloud software application for Flight Reservation System using any Cloud Service Provider to demonstrate SaaS.

Aim

To design, develop, and deploy a **cloud-based Flight Reservation System** and deliver it as **Software as a Service (SaaS)** so that users can search and reserve flights through a web browser without installing any software.

Application Overview

The **Flight Reservation System** is a web-based application that allows users to:

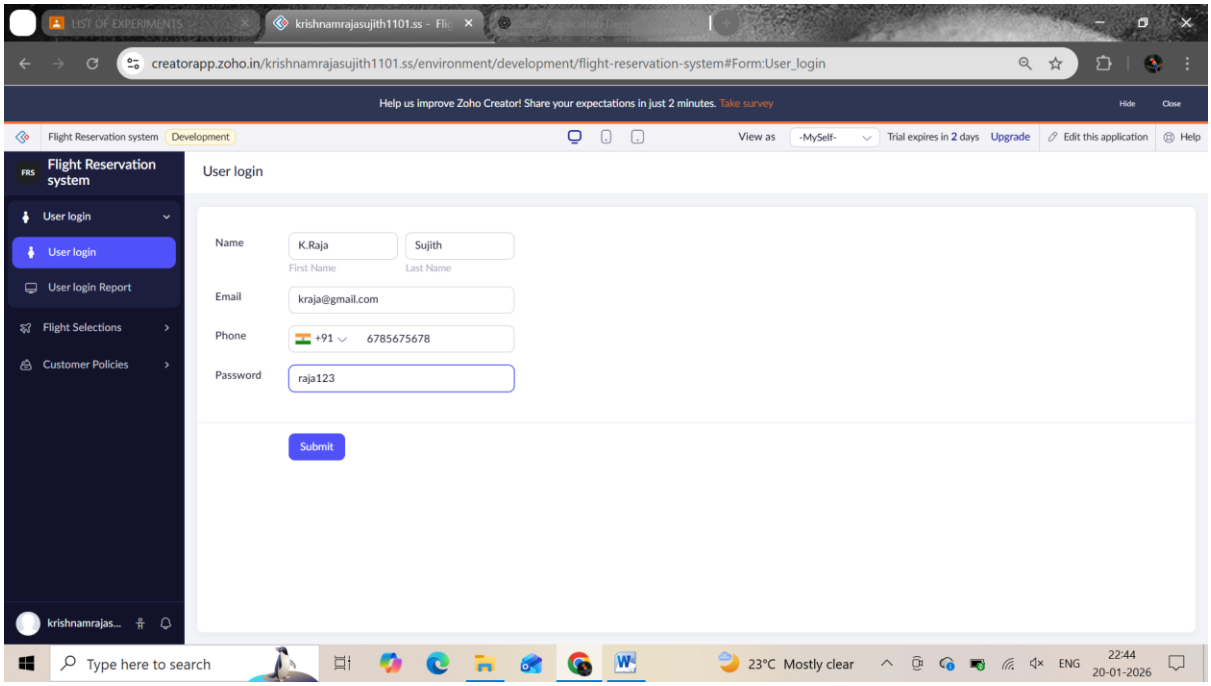
- View available flights
- Enter passenger details
- Reserve a flight online

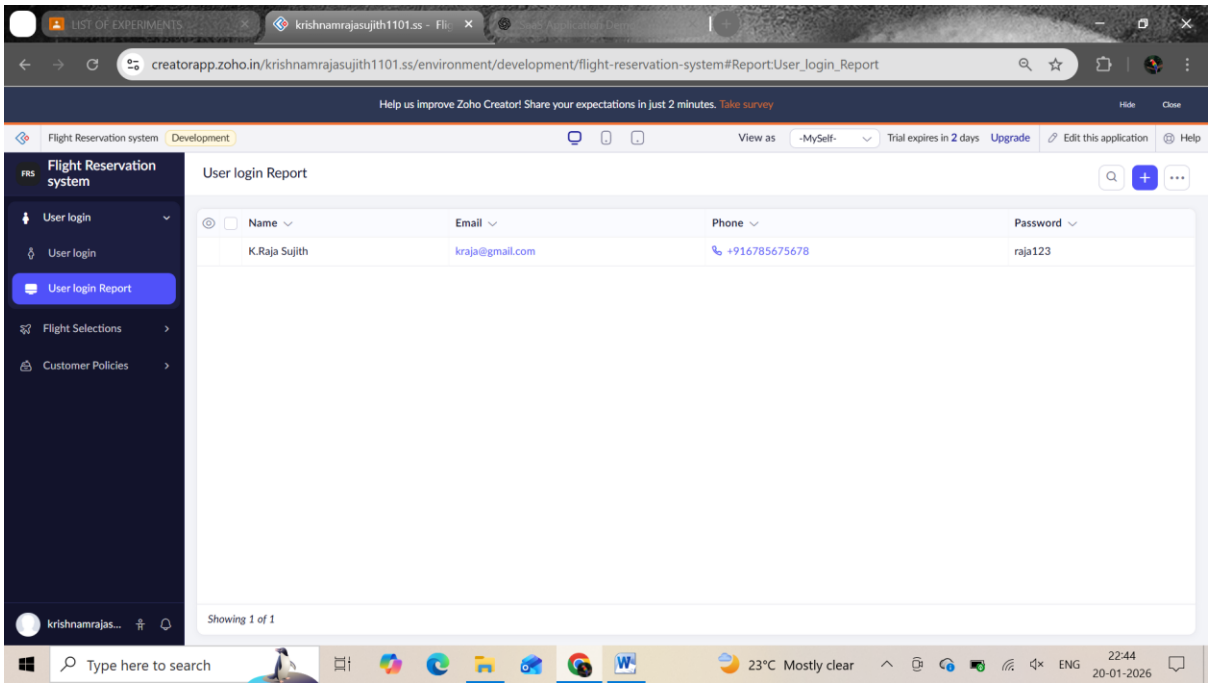
The application is hosted on the cloud and accessed via a public URL, demonstrating the **SaaS model**.

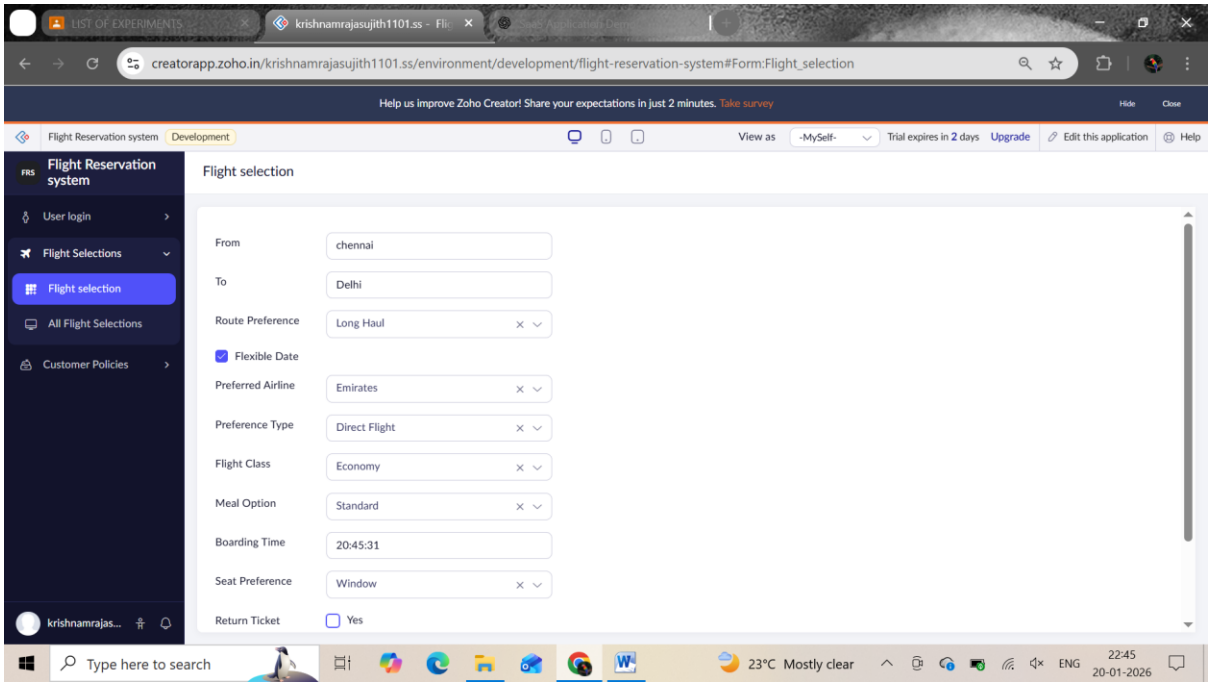
Procedure

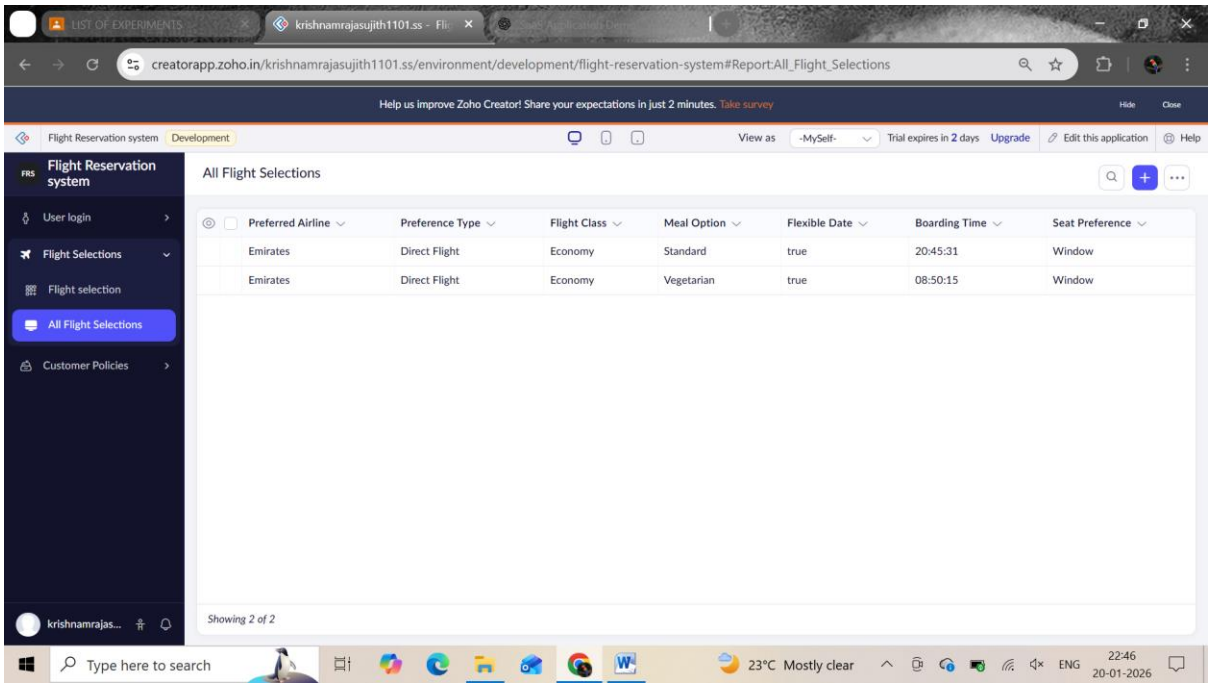
1. **Requirement Analysis**
   Identified the need for a cloud-based Flight Reservation System that allows users to view available flights and reserve seats through a web browser.
2. **Application Design**
   Designed a simple web interface with options to display flight details and collect passenger reservation information.
3. **Application Development**
   Developed the application using **Python (Flask)** for backend processing and **HTML** for the user interface.
4. **Cloud Platform Selection**
   Selected **Amazon Web Services (AWS)** as the cloud service provider to host the application.
5. **Deployment Setup**
   Configured the cloud environment using **AWS Elastic Beanstalk** for easy deployment and management of the web application.
6. **Application Deployment**
   Uploaded and deployed the Flight Reservation System on the AWS cloud, generating a public URL.
7. **Testing**
   Tested the application by accessing it from a web browser, viewing flight details, and submitting reservation information.
8. **Service Access Verification**
   Verified that the application could be accessed anytime through the internet without installing any software.

Output : -


creatorapp.zoho.in/krishnamrajasujith1101.ss/environment/development/flight-reservation-system#Form:User_login
Help us improve Zoho Creator! Share your expectations in just 2 minutes. Take survey
Flight Reservation system
Development
Trial expires in 2 days
Upgrade
Edit this application
Help
Flight Reservation system
User login
User login
User login
User login Report
Flight Selections
Customer Policies
Name
K.Raja
Sujith
First Name
Last Name
Email
kraja@gmail.com
Phone
+91
6785675678
Password
raja123
Submit
Type here to search
23°C Mostly clear
ENG
22:44
20-01-2026


creatorapp.zoho.in/krishnamrajasujith1101.ss/environment/development/flight-reservation-system#Report:User_login_Report
Help us improve Zoho Creator! Share your expectations in just 2 minutes. Take survey
Flight Reservation system
Development
Trial expires in 2 days
Upgrade
Edit this application
Help
Flight Reservation system
User login Report
User login
User login
User login Report
Flight Selections
Customer Policies
Name
Email
Phone
Password
K.Raja Sujith
kraja@gmail.com
+916785675678
raja123
Showing 1 of 1
Type here to search
23°C Mostly clear
ENG
22:44
20-01-2026





Result

The **Flight Reservation System** was successfully developed and deployed on the cloud and delivered as **Software as a Service (SaaS)**.
Users were able to access the application through a web browser, view available flights, and reserve flights online, confirming the successful implementation of the SaaS cloud service model.