Exp 01 : -

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

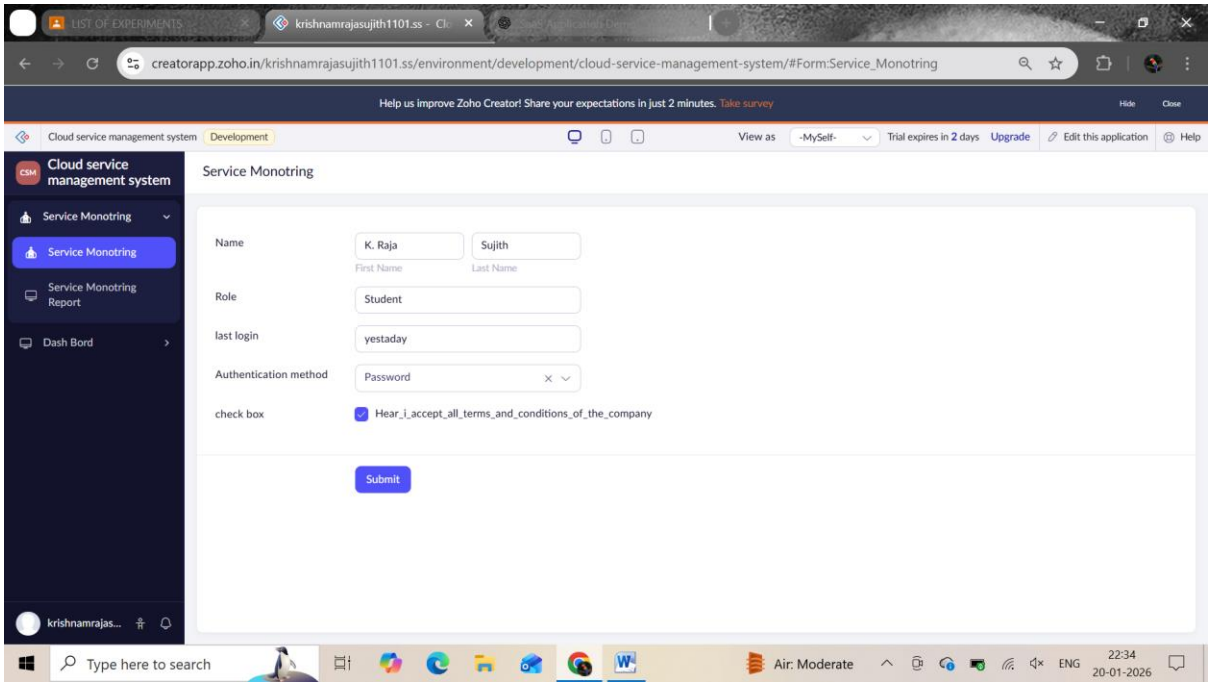
Aim

To design, develop, and deploy a simple cloud-based software application and deliver it as **Software as a Service (SaaS)** using a cloud service provider, enabling users to access the application through the internet without local installation.

Procedure

1. **Requirement Analysis**
   Identified the need for a simple web-based application that can be accessed remotely by multiple users.
2. **Application Design**
   Designed a basic **Cloud Notes Manager** application with a web interface for creating and viewing notes.
3. **Application Development**
   Developed the application using **Python Flask** for backend logic and **HTML** for the user interface.
4. **Containerization**
   Created a **Dockerfile** to package the application along with required dependencies.
5. **Cloud Platform Setup**
   Selected **Google Cloud Platform (GCP)** and enabled **Cloud Run** service for hosting the application.
6. **Deployment**
   Built the Docker image and deployed the application on **Google Cloud Run**, generating a public HTTPS URL.
7. **Service Access**
   Accessed the application through a web browser using the provided cloud URL to verify functionality.
8. **Testing**
   Tested the application by adding and viewing notes from different devices to ensure cloud accessibility.

Output : -


creatorapp.zoho.in/krishnamrajasujith1101.ss/environment/development/cloud-service-management-system/#Form:Service_Monotring
Help us improve Zoho Creator! Share your expectations in just 2 minutes. Take survey
Cloud service management system
Development
Trial expires in 2 days
Upgrade
Edit this application
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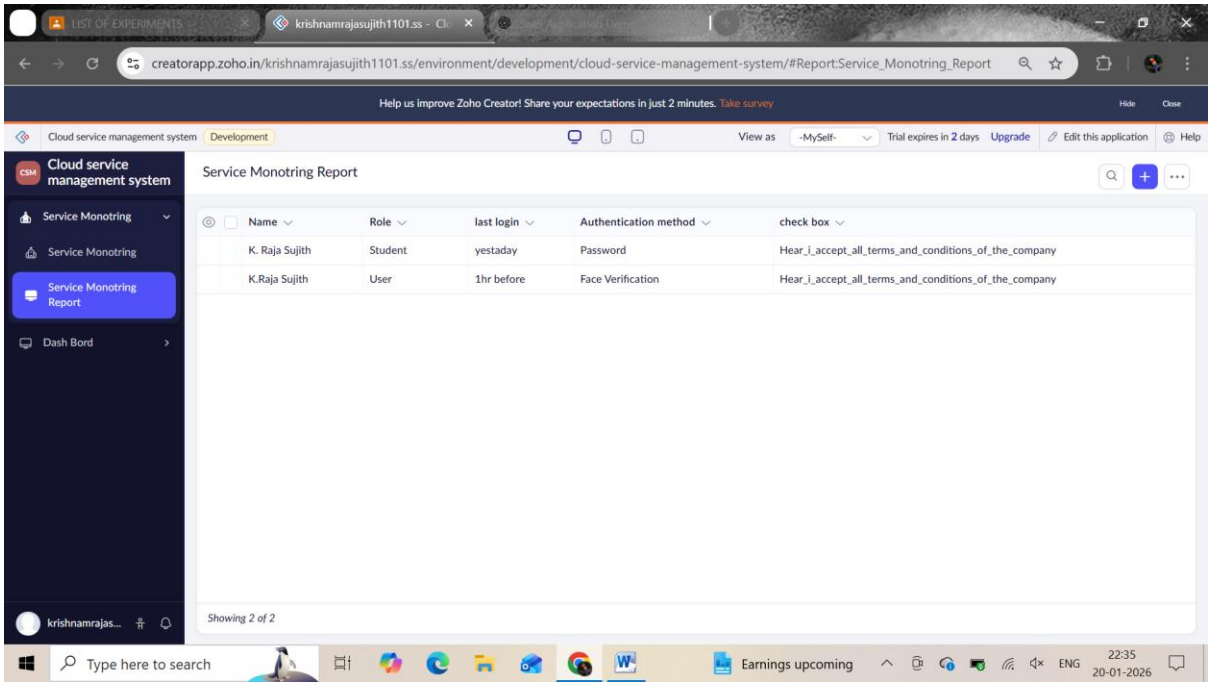
creatorapp.zoho.in/krishnamrajasujith1101.ss/environment/development/cloud-service-management-system/#Report:Service_Monotring_Report
Help us improve Zoho Creator! Share your expectations in just 2 minutes. Take survey
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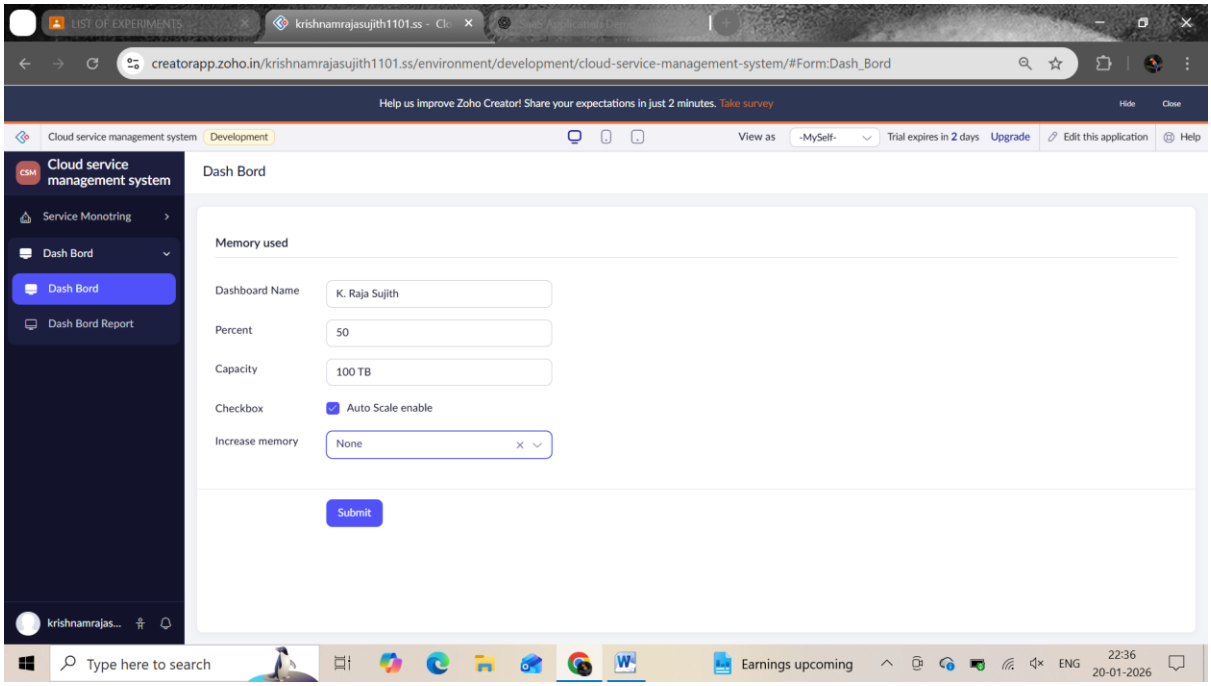

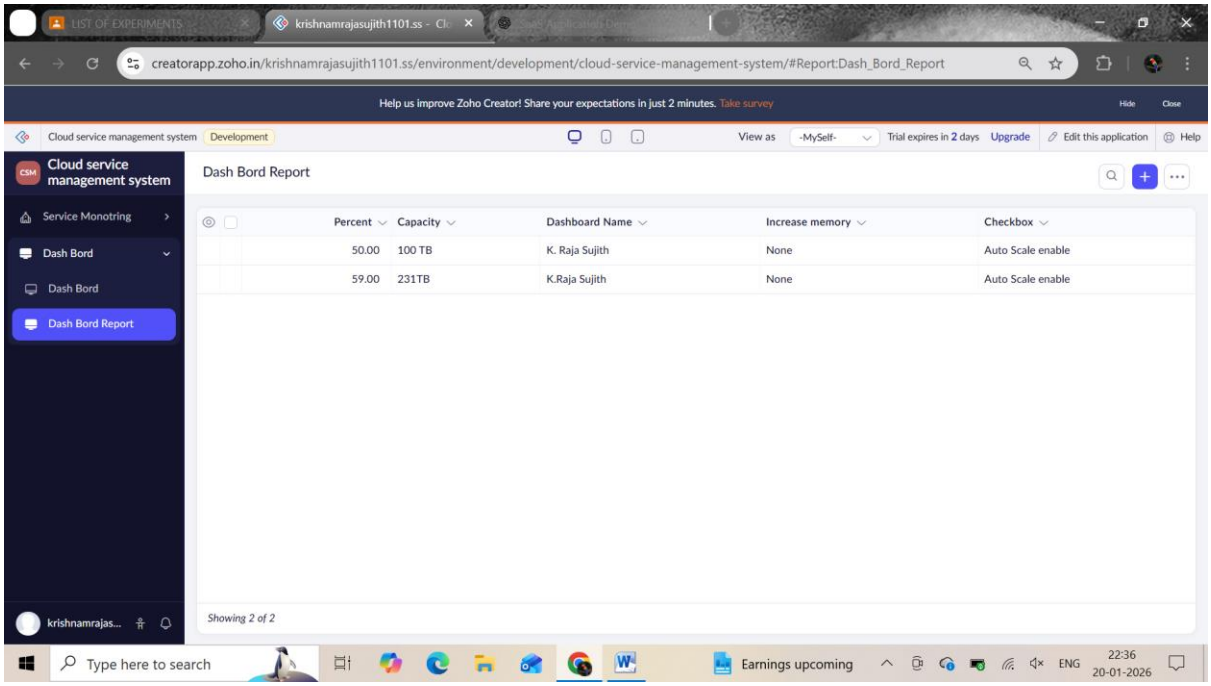

Result

A simple cloud software application was successfully developed and deployed on the cloud and provided as **Software as a Service (SaaS)**.
The application was accessible through a web browser using a public URL, confirming that users can utilize the software without installation, thereby successfully demonstrating the SaaS cloud service model.