Abstract
Cloud Based Hotel Management System

Overview:
A cloud-based Hotel Management System is a software solution that allows hoteliers to manage their operations in the cloud which means that the system is hosted on remote servers and can be accessed through the internet from anywhere in the world.

Features:
The proposed Hotel Management System using AWS services offers a variety of features such as room reservations, check-ins, checkouts, billing, and real-time data analytics.

AWS Services:
This system employs various AWS services such as Amazon Elastic Compute Cloud (EC2), Amazon Simple Storage Service (S3), Amazon Relational Database Service (RDS), Amazon API Gateway and Cloud Watch to provide scalable, secure, and cost-effective solutions for hotel management.

- **EC2:** It provides a flexible and scalable computing infrastructure that can be used to host and run different components of a hotel management system web application.
- **S3:** It can be used to store and retrieve various types of data, including images, videos, documents, and other static content.
- **RDS:** It provides a reliable and scalable database solution that can be used to store and manage data.
- **API Gateway:** It can be used to create, publish, and manage APIs that can be used to access the application's resources and data.
- **Cloud Watch:** It can be used to monitor and collect metrics, logs, and events from various resources and services in the application.

Technologies:
Programming Language: Python
Python Frameworks: Django, Django REST
Frontend Technologies: HTML, CSS, Javascript, Bootstrap
Databases: MySQL
Cloud Technologies: Amazon Web Services
Operating System: Linux