PARSHVANATH CHARITABLE TRUST'S

A. P. Shah Institute of Technology

Thane, 400615

Academic Year: 2022-23

Department of Computer Engineering

CSL605 SKILL BASED LAB COURSE: CLOUD COMPUTING

Mini Project Report

- **Title of Project** : Hospital Management System
- **Year and Semester** : TE Sem 6
- **Group Members Name and Roll No.** : Janavi Kharat
  Sharvari Kasar

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Introduction:

Our project Hospital Management system includes registration of patients, storing their details into the system, and also booking their appointments with doctors. Our software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. User can search availability of a doctor and the details of a patient using the id.

The Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast. It is having mainly two modules. One is at Administration Level and other one is of user i.e. of patients and doctors.

The Application maintains authentication in order to access the application. Administrator task includes managing doctors information, patient's information. To achieve this aim a database was designed one for the patient and other for the doctors which the admin can access. The complaints which are given by user will be referred by authorities. The Patient modules include checking appointments, prescription. User can also pay doctor's Fee online.

Problem definition:

In this busy world we don’t have the time to wait in infamously long hospital queues. The problem is, queuing at hospital is often managed manually by administrative staff, then take a token there and then wait for our turn then ask for the doctor and the most frustrating thing - we went there by traveling a long distance and then we come to know the doctor is on leave or the doctor can’t take appointments.

HMS will help us overcome all these problems because now patients can book their appointments at home, they can check whether the doctor they want to meet is available or not. Doctors can also confirm or decline appointments, this help both patient and the doctor because if the doctor declines’ appointment, then patient will know this in advance and patient will visit hospital only when the doctor confirms’ the appointment this will save time and money of the patient

Description:

EC2 - Amazon Elastic Compute Cloud (EC2) is a part of Amazon's cloud-computing platform, Amazon Web Services (AWS), that allows users to rent virtual computers on which to run their own computer applications. EC2 encourages scalable deployment of applications by providing a web service through which a user can boot an Amazon Machine Image (AMI) to configure a virtual machine, which Amazon calls an "instance", containing any software desired. A user can create, launch, and terminate server-instances as needed, paying by the second for active servers – hence the term "elastic". EC2 provides users with control over the geographical location of instances that allows for latency optimization and high levels of redundancy. In November 2010, Amazon switched its own retail website platform to EC2 and AWS.

IAM - AWS Identity and Access Management (IAM) is a web service that helps you securely control access to AWS resources. With IAM, you can centrally manage permissions that control which AWS resources users can access. You use IAM to control who is authenticated (signed in) and authorized (has permissions) to use resources. When you create an AWS account, you begin with one sign-in identity that has complete access to all AWS services and resources in the account. This identity is called the AWS account root user and is accessed by signing in with the email address and password that you used to create the account. We strongly recommend that you don't use the root user for your everyday tasks. Safeguard your root user credentials and use them to perform the tasks that only the root user can perform.

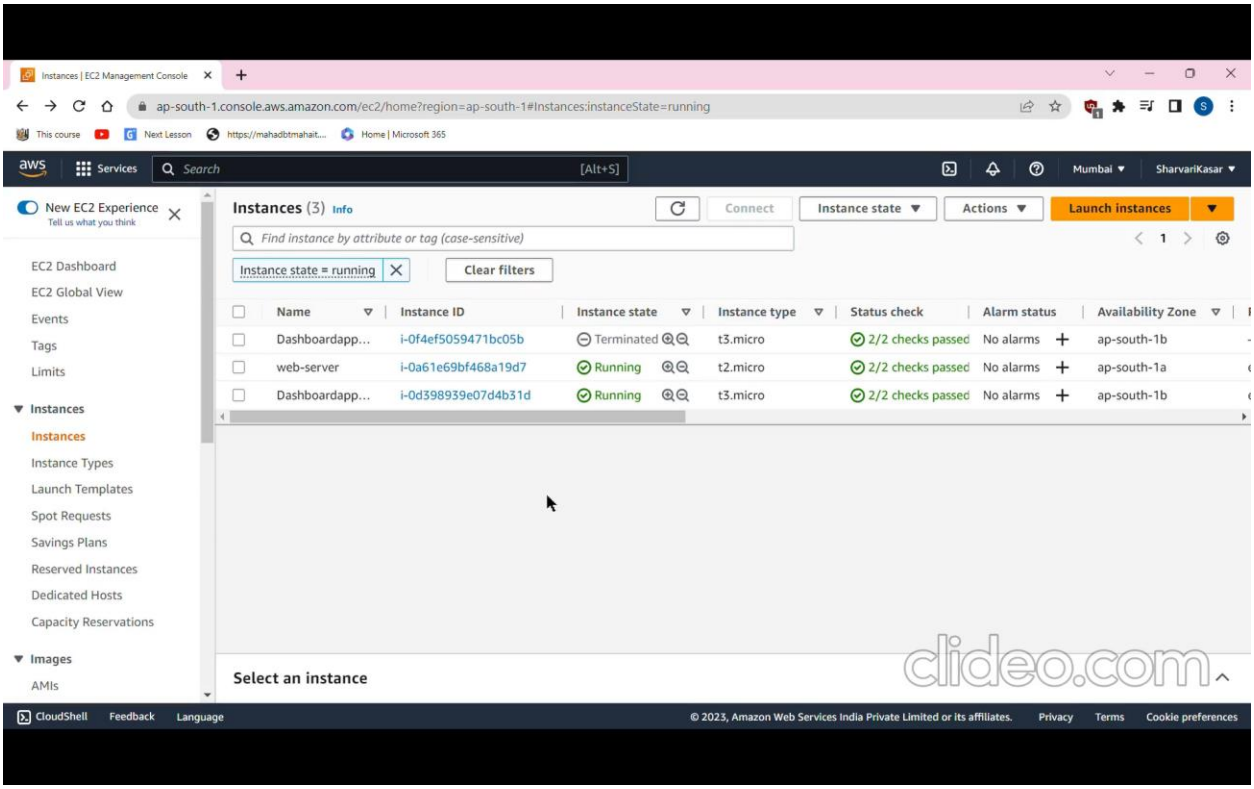
Course Outcomes

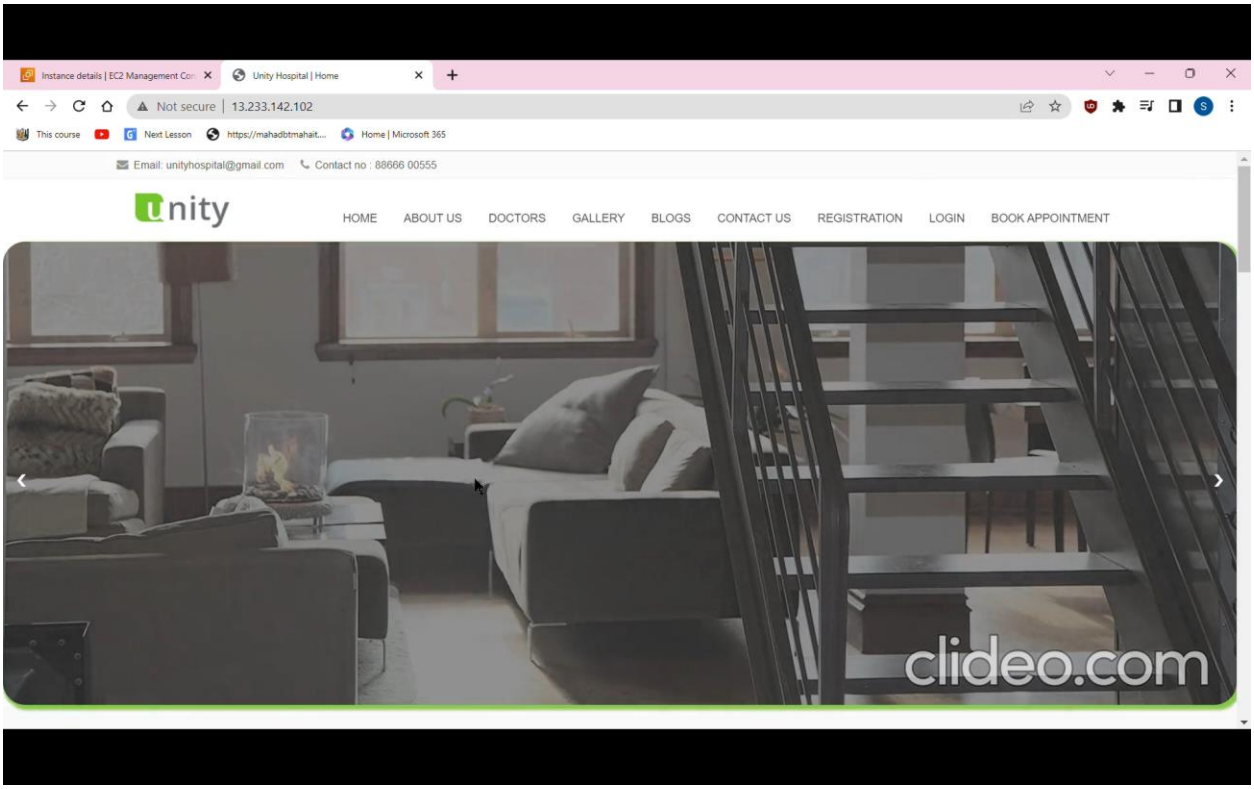
Learning outcomes that can be drawn from building a web application using the AWS services mentioned in this project:

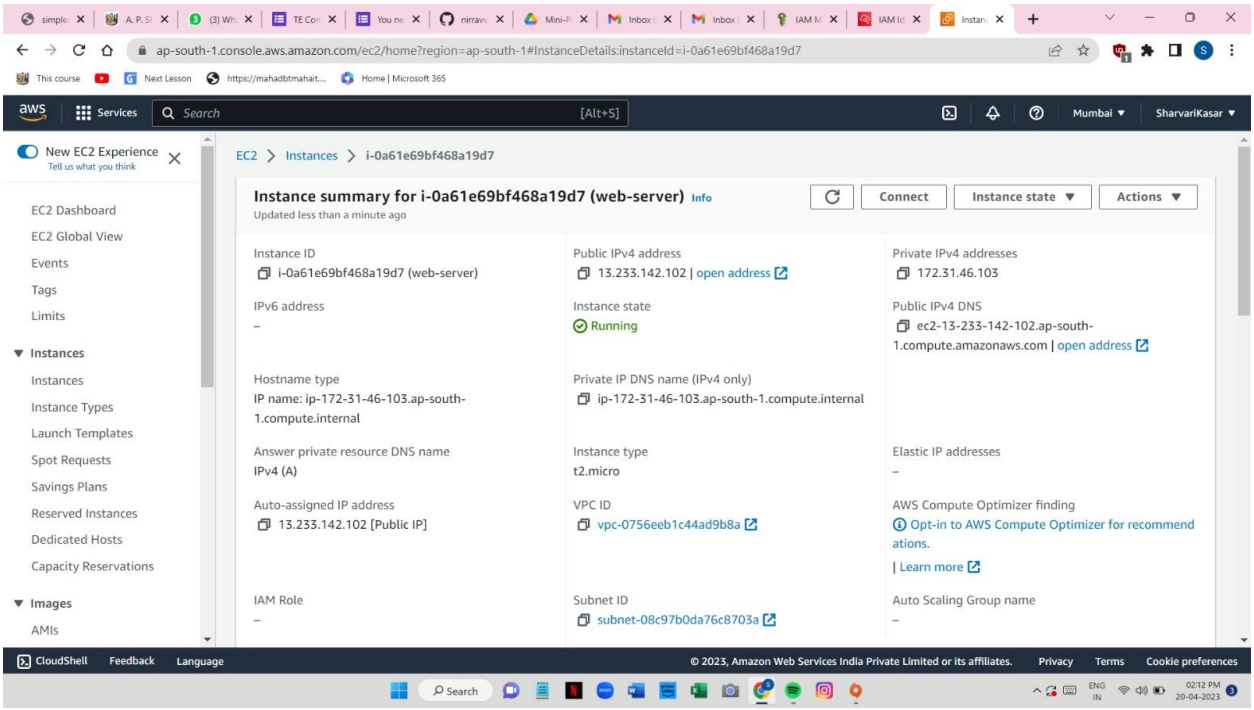
1. Understanding of AWS services: By building a web application using EC2 and IAM, you gain an understanding of the functionalities and use cases of these AWS services.
2. Integration of services: Building a web application using multiple AWS services allows for seamless integration between them. For example, API Gateway can be used to handle requests from the web page, and Lambda can be used to implement the math functionality.
3. Permission management: IAM is used for permission management in AWS, allowing you to control who has access to different resources and services. This is an important aspect of building secure web applications.
4. Increased development speed: Using AWS services can help to speed up the development process by providing pre-built functionalities and infrastructure. This can allow you to focus more on building the core features of your application.

Overall, building a web application using these AWS services can provide a valuable learning experience and can help you to develop the skills necessary for building scalable and reliable applications in the cloud.

Implementation:



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Mumbai
SharvariKasar
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
EC2 > Instances > i-0a61e69bf468a19d7
Instance summary for i-0a61e69bf468a19d7 (web-server) Info
Updated less than a minute ago
Connect
Instance state
Actions
Instance ID
i-0a61e69bf468a19d7 (web-server)
Public IPv4 address
13.233.142.102 | open address
Private IPv4 addresses
172.31.46.103
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-13-233-142-102.ap-south-1.compute.amazonaws.com | open address
Hostname type
IP name: ip-172-31-46-103.ap-south-1.compute.internal
Private IP DNS name (IPv4 only)
ip-172-31-46-103.ap-south-1.compute.internal
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Instance type
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Elastic IP addresses
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AWS Compute Optimizer finding
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| Learn more
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Auto Scaling Group name
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CloudShell
Feedback
Language
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