Ecommerce Website

Submitted in partial fulfillment of the requirements of the degree of

BACHELOR OF COMPUTER ENGINEERING

by

Mansi Gupta - 20102133
Vivek Gupta - 20102127
Mukund Goenka - 20102107

Guide:

Prof. Deepali kayande

Department of Computer Engineering

A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE

(2022-2023)

A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE

CERTIFICATE

This is to certify that the Cloud Computing Project entitled "**Ecommerce Website**" is a bonafide work of **Mansi Gupta (20102133), Vivek Gupta (20102127), Mukund Goenka (20102107)** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of **Bachelor of Engineering** in **Computer Engineering.**

Guide:	Project Coordinator:	Head of Department
Prof. D. D. Kayande	Prof. D.S. Khachane	Prof. S.H. Malave

A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE

Project Report Approval for Mini Project-2B

This project report entitled *"**Ecommerce Website"*** by ***Mansi Gupta, Vivek Gupta, Mukund Goenka*** is approved for the partial fulfillment of the degree of ***Bachelor of Engineering*** in ***Computer Engineering***, ***2022-23***.

Examiner Name	Signature
1._____	_____
2._____	_____

Date:

Place:

Declaration

We declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Mansi Gupta - 20102133

Vivek Gupta - 20102127

Mukund Goenka- 20102107

Date:

Abstract

E-commerce involves the processes of selling and buying goods and services through the use of modern communication technologies and the Internet. The success of this form of commerce largely depends on the website through which the sales are carried out. Modern online e-commerce platforms are sophisticated applications that perform multiple functions. They are both a marketing tool that attracts customers, dynamic systems that allow interaction with the users, and the realization of transactions and a portal with useful information about the sold goods and services. Ecommerce Project is a web-based application that uses PHP, HTML, and CSS with a SQL database to create an easy-to-use platform for sharing information online. The project will be hosted on the AWS cloud platform, using EC2 instances, IAM services to ensure secure and reliable hosting. The platform offers many features that allow users to create, manage and share their communications.

Keywords: Ecommerce, AWS, EC2, IAM, PHP, HTML, CSS

Chapter 1
Introduction

E-commerce means electronic commerce. It means dealing in goods and services through the electronic media and internet. E-commerce involves carrying on a business with the help of the internet and by using the information technology like Electronic Data Interchange (EDI). ECommerce relates to a website of the vendor on the Internet, who trades products or services directly to the customer from the portal. Nowadays, e-commerce is becoming a preferred form of making transactions. The success of esales depends on many factors, but Web-based platforms are crucial for their implementation. Modern online marketing applications are constantly being refined, they are not only a tool through which customers make purchases but are also complete systems that help and guide them during the time of the purchase.

Buying goods and services via E-Commerce allows consumers the freedom to choose when and where to shop and the opportunity to research the product, the seller, and any other available options. Shopping has been revolutionized through the availability of online information. Just about anything that can be bought in a merchandise store can be bought via E-commerce, even perishables like groceries. And consumers have embraced these possibilities around the globe.

Chapter 2

Problem Statement, Objective & Scope

Problem Statement: -

In the context of an e-commerce website, the problem definition might involve identifying specific challenges or obstacles that are hindering the site's performance or preventing it from achieving its objectives. Some common problems that e-commerce websites may face include:

- Low website traffic: An e-commerce website may struggle to attract sufficient website traffic, which can limit its potential for sales and revenue growth.
- Poor website design or user experience: A poorly designed website with a confusing or difficult user experience can discourage customers from making purchases and lead to high bounce rates.
- Ineffective marketing strategies: Ineffective marketing strategies can result in low conversion rates, limited customer engagement, and poor brand awareness.

Objective: -

- Increasing online sales: One of the primary objectives of an e-commerce website is to increase online sales by providing a convenient and seamless shopping experience to customers.
- Expanding customer reach: An e-commerce site can help a business expand its customer reach beyond traditional brick-and-mortar stores by making its products or services available to customers worldwide.
- Improving customer experience: A well-designed e-commerce site can provide a better customer experience by offering personalized recommendations, easy navigation, and convenient payment options.

Scope: -

- Product or service offerings: The scope of an e-commerce website might include a wide range of products or services or focus on a specific niche. The product or service offerings will depend on the business goals, market demand, and resources.
- Target audience: The target audience for an e-commerce website may vary depending on the products or services offered. It may target a broad consumer audience or a specific niche audience such as B2B buyers.

Chapter 3

Cloud Platform

The Ecommerce project is hosted on the AWS cloud platform. AWS is a popular cloud computing platform that provides a wide range of services, including hosting, storage, and computing resources. The use of AWS allows the project to be accessed from anywhere with an internet connection, making it accessible to a wide range of users.
The AWS platform provides a scalable and reliable hosting solution for the project. This means that the project can handle large numbers of users and traffic without experiencing performance issues or downtime. AWS also provides security features to protect the project from cyber threats and data breaches.

The Ecommerce project is hosted on the AWS cloud platform, which provides a scalable and reliable hosting solution for the project. The platform uses a range of AWS services to ensure that the project is secure, performant, and available to users.

EC2 Instance:

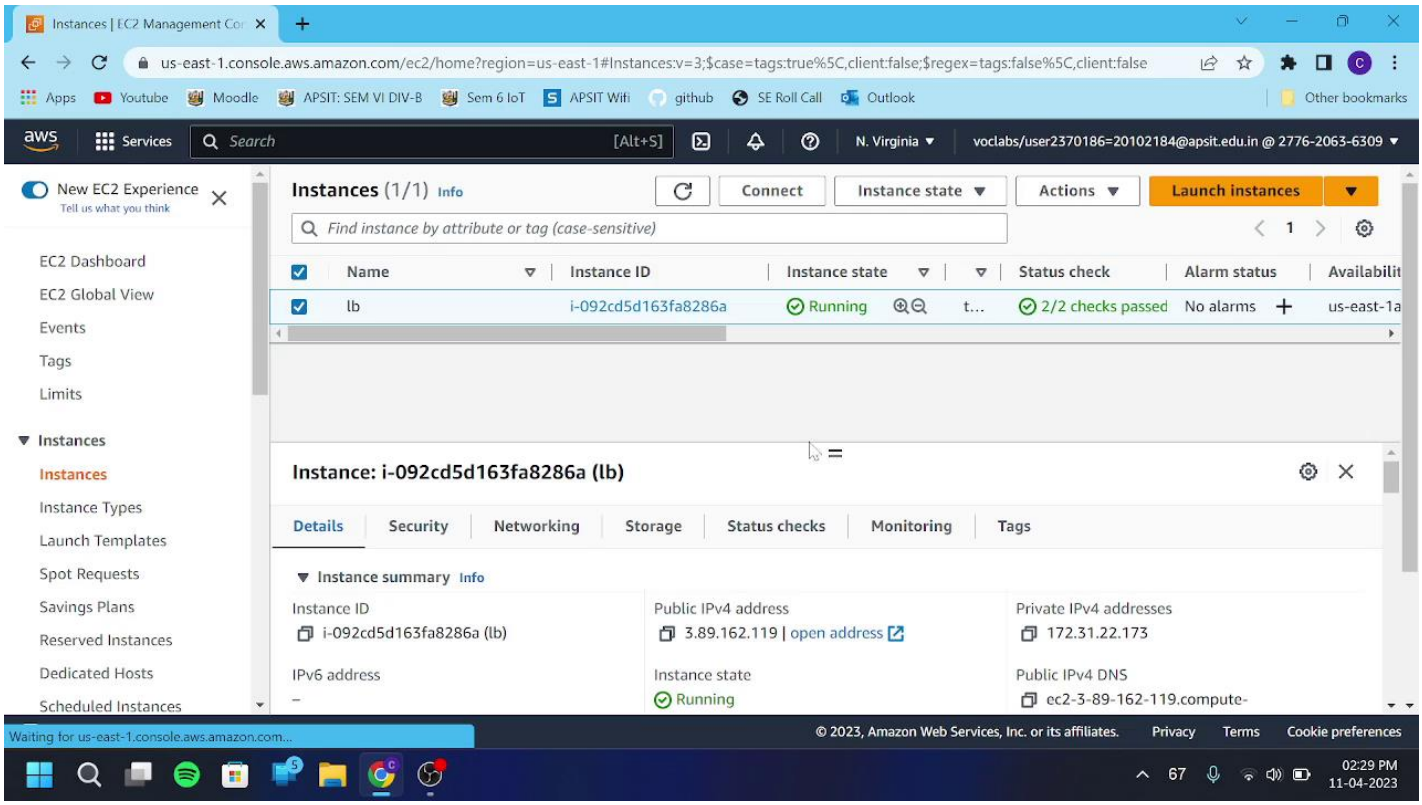
The project is hosted on an EC2 (Elastic Compute Cloud) instance, which is a virtual machine that provides computing resources for the project. The EC2 instance runs the Apache web server, which is used to serve the web pages for the application. The instance is configured with a security group that allows traffic only from specified IP addresses, ensuring that the project is secure from unauthorized access.

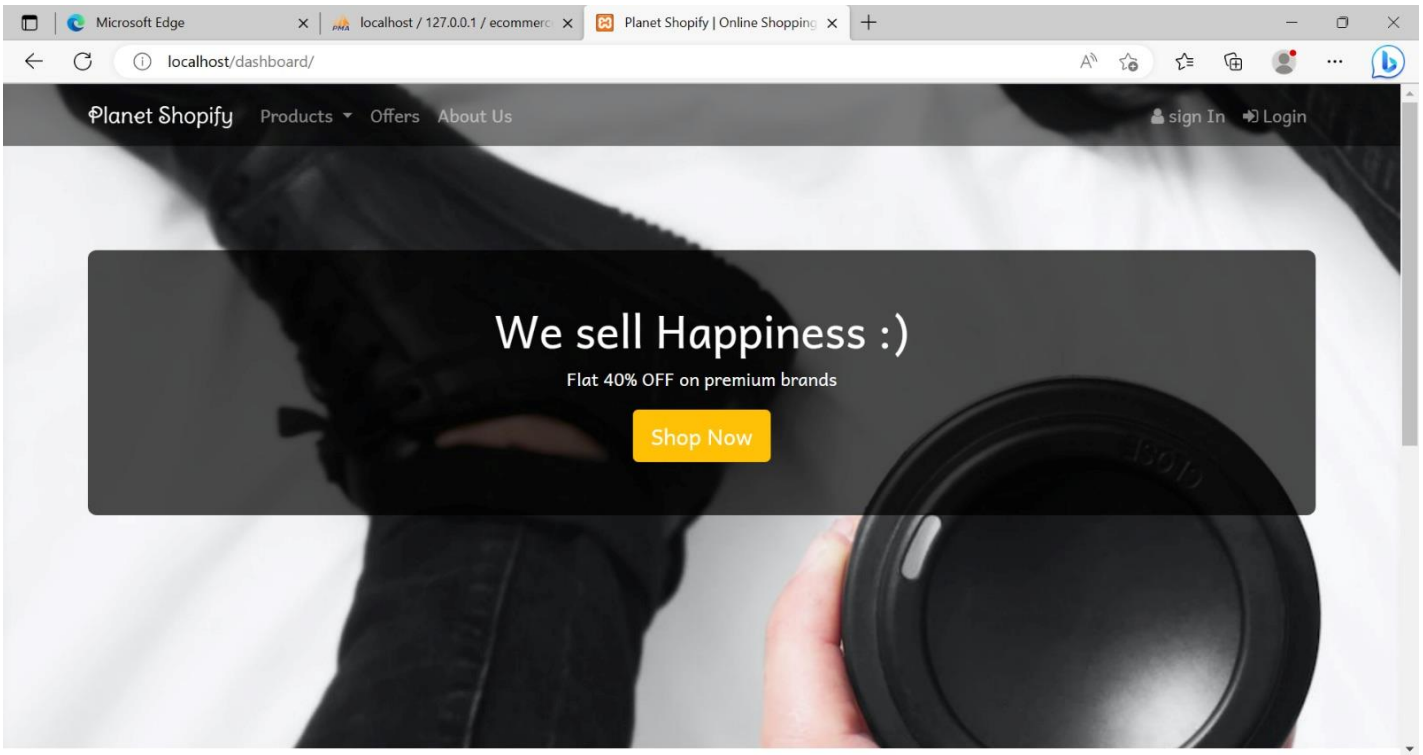
IAM Service:

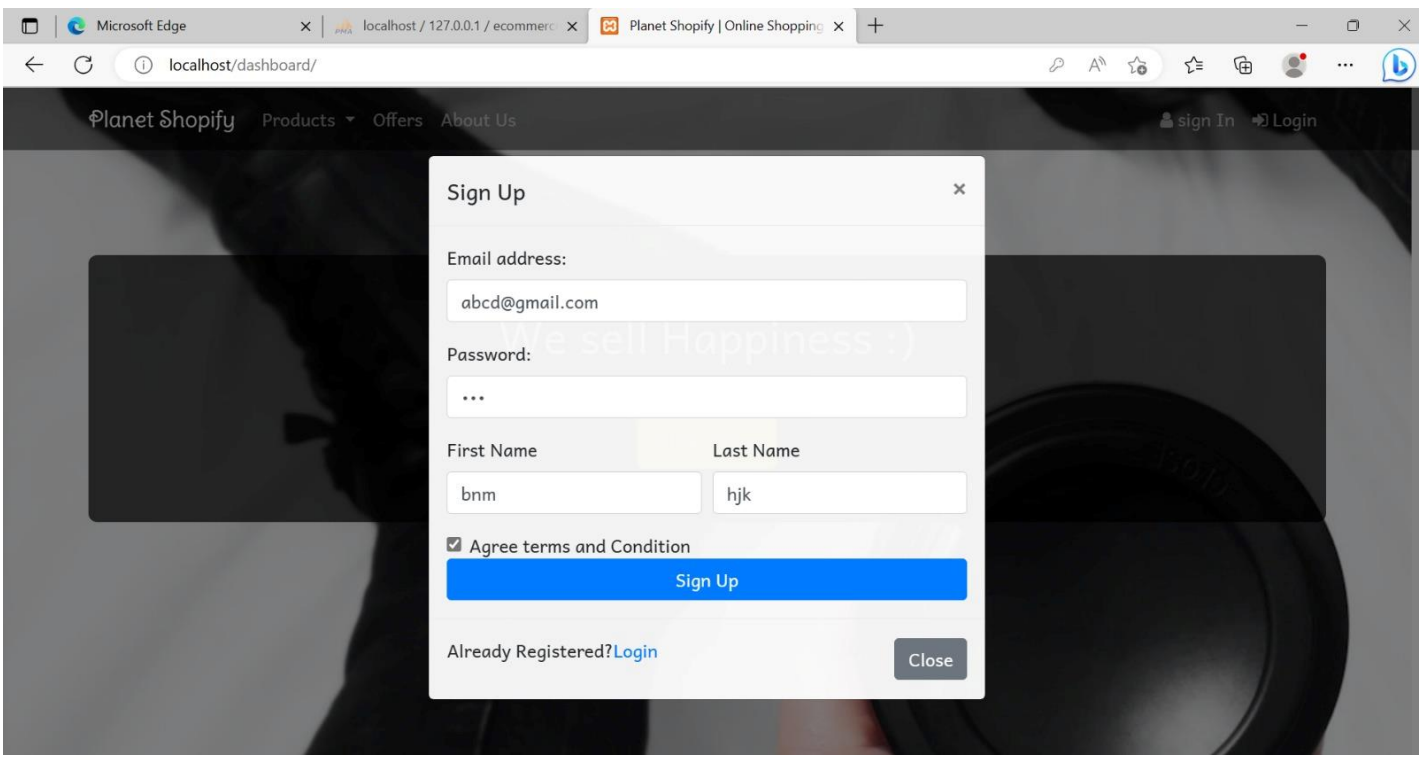
The project uses the IAM (Identity and Access Management) service to manage user access to the application. IAM allows the project to define roles and permissions for users, which ensures that only authorized users can access the application. The project uses IAM to define roles for users, such as admin and regular user, and to assign permissions to these roles. This ensures that only authorized users can create, edit, and delete notices.

Chapter 4

Result




Microsoft Edge
localhost / 127.0.0.1 / ecommerc
Planet Shopify | Online Shopping
localhost/dashboard/
Planet Shopify
Products
Offers
About Us
sign In
Login
We sell Happiness :)
Flat 40% OFF on premium brands
Shop Now


Microsoft Edge
localhost / 127.0.0.1 / ecommerc
Planet Shopify | Online Shopping
localhost/dashboard/
Planet Shopify
Products
Offers
About Us
sign In
Login
Sign Up
Email address:
abcd@gmail.com
Password:
First Name
Last Name
bnm
hjk
Agree terms and Condition
Sign Up
Already Registered?Login
Close

Welcome to Planet Shopify!

We have wide range of products for you.No need to hunt around,we have all in one place

Home / Products

Guess 1875

Guest Watch

Panerai Watch

Nonos Watch

Your order is confirmed. Thank you for shopping with us.

Click here to purchase any other item.

Copyright©Planet Shopify | All Rights Reserved | Contact Us: +91 90000 00000

Chapter 5
Conclusion

In conclusion, it should be noted that the evaluation system allows for a comprehensive analysis of the usability, content and functionality of online stores, not only take a look at simple statistics on their attendance. It is not universal in character, but rather provides a framework for evaluation, and if necessary, in the analysis process, a metric can be excluded, or the system can be supplemented with other metrics. Web analysts are the ones who define the main parameters for evaluation that best show the strengths and Informatics 31 weaknesses of the web site as a major tool for doing business. The Ecommerce project is an innovative web-based application that provides a user-friendly platform for online shopping. The project is built using PHP, HTML, and CSS with a SQL database and is hosted on the AWS cloud platform. The use of AWS services such as EC2, IAM ensures that the project is secure, performant, and available to users. The project provides a range of features that make it easy for users to shop, get offers, and do online billing, making it a great tool for online shopping.

Chapter 6
Demonstration Link

- https://drive.google.com/file/d/1rom8j9Mstb7BFDHdlQLhR-DVHktSDULW/view?usp=share_link