Topic: - E-Commerce Shopping Store

About: - An e-commerce shopping store project involves building and deploying an online platform where customers can purchase products and services over the internet.

Why should it require Cloud?

This project for an online shopping store may need to be set up on a cloud computing system like Amazon Web Services (AWS) and Microsoft Azure for several reasons.

Scalability: It can be challenging to forecast the computing requirements of online retailers due to their potential for rapid development and traffic variations. You may simply scale your computing resources up or down to meet shifting demands by setting up an online store in the cloud.

Cost Savings: When compared to conventional on-premise infrastructure, cloud computing has a lower cost. With cloud computing, you may avoid the up-front expenditures of buying and maintaining your own gear and just pay for the resources you really use.

High availability: In order to service customers, online retailers must be accessible around-the-clock. Downtime can cost businesses revenue and erode customer confidence. You can use the high availability and redundancy features provided by cloud providers to establish an online store in the cloud, ensuring that it is always up and operating.

Security: Because online retailers handle sensitive client data like payment information and personal information, security is a primary concern. You can benefit from the strong security features and certifications provided by cloud providers by putting an online store on the cloud to secure the protection of your customers' data.

Global accessibility: Online shops must be reachable from anywhere in the globe, and the cloud makes it simple to deploy your shop globally with little lag time and quick page loads.

Literature Review

1. The Author [1] in this section can review the benefits of deploying e-commerce shopping stores on the AWS cloud, such as scalability, cost-effectiveness, and security.
2. The Author [2] in this section can examine the different AWS services that can be used to build and deploy e-commerce shopping stores, such as Amazon S3, Amazon RDS, Amazon EC2, and Amazon CloudFront.
3. The Author [3] in this section can examine existing case studies of e-commerce shopping stores that have been successfully deployed on AWS, including the challenges faced and the solutions implemented.
4. The Author [4] in this section can analyze the costs involved in deploying e-commerce shopping stores on AWS, including the cost of computing resources, storage, and data transfer.
5. The Author [5] in this section can compare the advantages and disadvantages of deploying e-commerce shopping stores on AWS with other cloud providers such as Microsoft Azure and Google Cloud Platform (GCP).

Flow chart

