PARSHVANATH CHARITABLE TRUST'S

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Department of Computer Engineering

CLOUD COMPUTING MINI PROJECT

PROJECT TITLE: BOOK STORE

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Abstract :

● Book-store is a website project designed to swap books with the books readers. The project is developed using PHP, XAMP, HTML, and CSS.

● The website is designed to provide a user-friendly interface for both buyers and sellers to participate in online book store.

● The website has a robust database that stores information about books, categories, and users.

Cloud services used :

- AWS Elastic Compute Cloud.

- AWS Security Groups.

- Remote Desktop Connection

AWS Elastic Compute Cloud :

- Create an Amazon EC2 instance to host the lab management system, choosing an appropriate instance size for the expected workload. Choose an Amazon Machine Image (AMI) that includes the necessary software stack for the lab management system.
- Amazon Elastic Compute Cloud (EC2) is a cloud-based computing platform that allows users to run virtual machines (VMs) in the cloud. These VMs are created through the process of virtualization, which is the creation of a virtual version of a computing resource, such as a server or storage device.
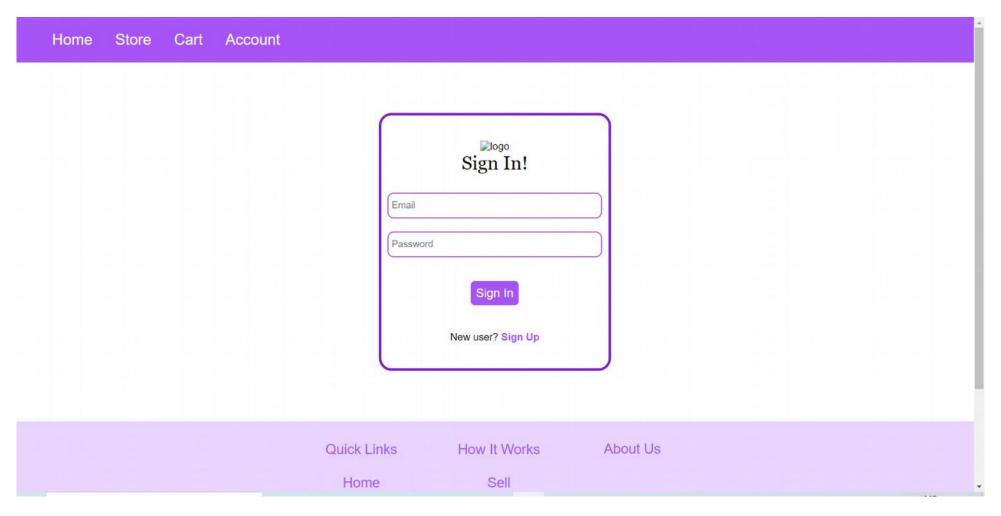
Security Groups :

- Configure security groups to ensure that the instance is accessible from the internet only via the required ports. You might create a security group that allows access on port 80 (HTTP) and 443 (HTTPS) for web access to the system. Additionally, configure a security group that allows access to port 22 (SSH) for administrative access to the EC2 instance.
- Remote Desktop Protocol (RDP) is a widely used protocol that allows users to access a remote desktop or server from anywhere in the world. However, to ensure the security of the remote desktop session, it is important to configure the RDP client with appropriate security measures.
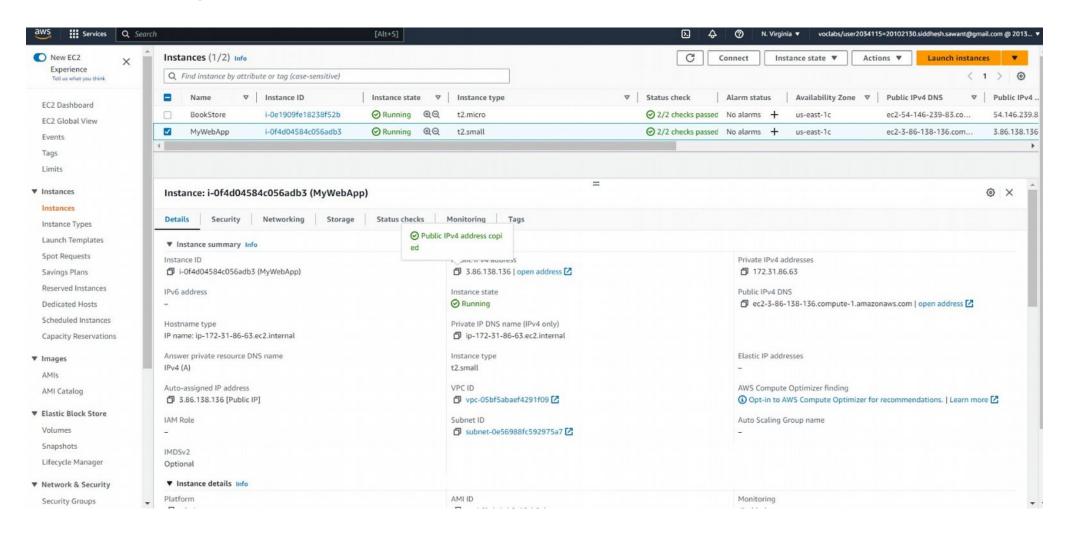
AWS RDP:

- AWS RDP (Remote Desktop Protocol) is a service that allows users to remotely access Windows-based instances running on Amazon Web Services (AWS) EC2. RDP is a protocol that allows users to access the desktop of a remote computer or server and interact with it as if they were physically present at the machine.Using AWS RDP, users can remotely access Windows instances on AWS and perform various tasks, such as software installation, configuration, and maintenance.

- AWS RDP is a secure way to remotely access instances since all data sent between the client and server is encrypted.AWS RDP also offers several features that help to manage and optimise remote access to Windows instances. These features include session management, which allows administrators to view active sessions and terminate them if necessary, and client access policies, which control who can access RDP sessions and from anywhere.

Implementation :

Loginpage -

Instance Page -

Conclusion -

The Book store project is an online selling platform developed using PHP, MySQL, HTML, and CSS. The project is designed to be hosted on Amazon Web Services (AWS), taking advantage of its powerful infrastructure and services to deliver a secure and reliable online auction platform.

AWS EC2 provides scalable computing capacity, allowing the website to handle a large number of users and transactions. AWS RDS provides a managed database service that ensures high availability, durability, and security of the project's database. Security Group is used to set up a secure network infrastructure that controls access to the website and its resources.