

Set-A

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23DCE010

SE - Practical Exam

Q-2 SRS Document Social - Network Platform

1. Introduction

Purpose:

The Purpose of this document is to define the functional and non-functional requirements for a social networking Platform that allows users to create profiles, connect with friends, send messages, manage privacy settings, and engage with a personalized news feed.

Scope:

- That Platform allows users to
 - create and manage profile
 - connect with friends
 - send message

Definitions, Acronyms and Abbreviations

- user - An individual registered on the Platform
- friend - A user connected to another user
- news feed - A personalized list of update

Reference:-

- IEEE SRS Standard
- GDPR Compliance Guidelines

2. Overall Description

Product Perspective:

The Platform will be a web and mobile-based application with a scalable backend to support a growing user base.

User - Characteristic:

- General users can create profile, add friends, send message, and post update.
- Administrators can moderate content, manage user account, and ensure compliance with policies.

Constraints

- The system must comply with GDPR and data privacy.
- High availability is required to handle traffic.
- The system should provide multi-device support.

3. Specific Requirements

Functional Requirements

- User profile management
- Friend connections
- Messaging system
- Privacy controls
- Intelligent news feed

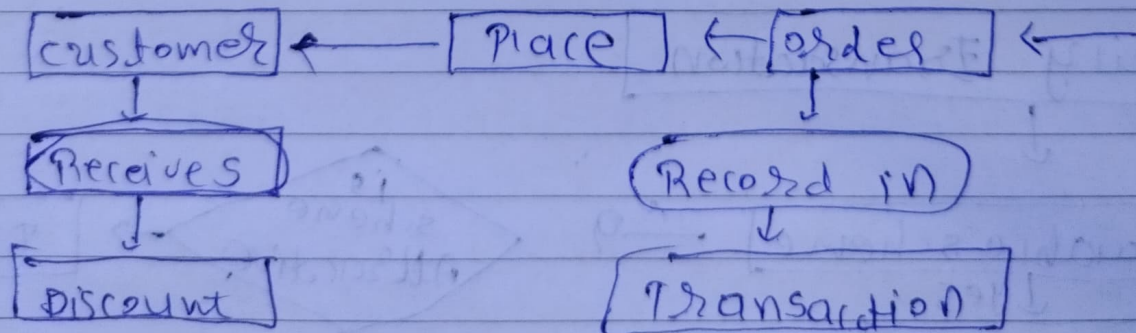
Non-Functional Requirements

- security. • Encrypted data storage and secure authentication mechanisms
- Performance. The system should handle at least 10,000 concurrent users.
- scalability : should support future growth in user base without performance degradation

Appendices :

- API documentation for third-party integrations
- compliance details for data protection laws.

Q-1 ERD Diagram



Q-1 Activity diagram

