SUNSTONE

“Social Media Website And Application”

TASK - 1

Social Media Website And Application Introduction

- This document serves as an introductory guide to social media websites and applications. It aims to provide readers with a comprehensive understanding of these digital platforms, their functions, and their significance in contemporary society.

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Introduction to Social Media Websites and Applications

Purpose ➜ Document Conventions ➜ Scope

Headers and Sub-headers
Bulleted and Numbered Lists
Emphasis
Examples
Links
Graphics and Visuals

Introduction to Social Media
Key Features
Impacts and Influence
Business and Marketing
News and Information
Entertainment
Privacy and Security
Emerging Trends

Product Perspective:

The social media website and application represent a digital platform that facilitates social networking and content sharing.

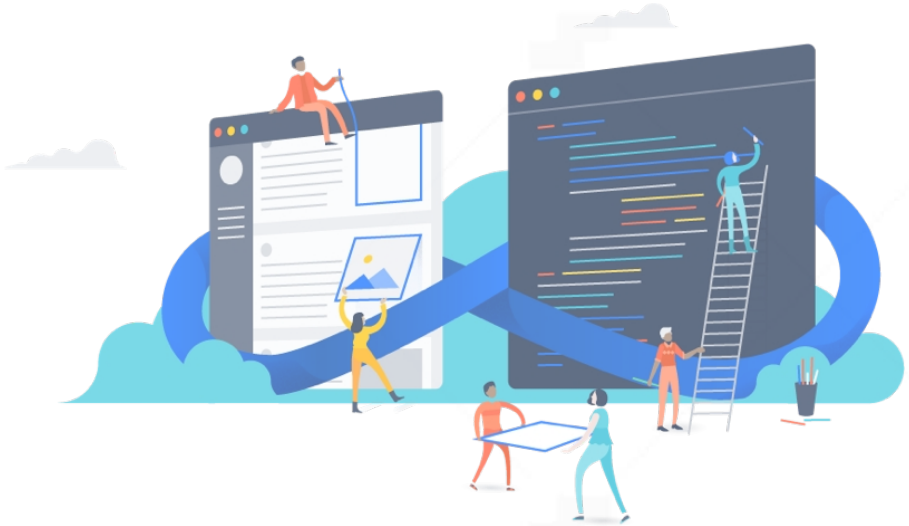
They exist within the broader landscape of the internet and the digital communication industry.

These platforms provide a virtual environment where users can create profiles, connect with others, share content, and engage in various forms of online interaction.

Product Function:

The core functions of a social media website and application include:

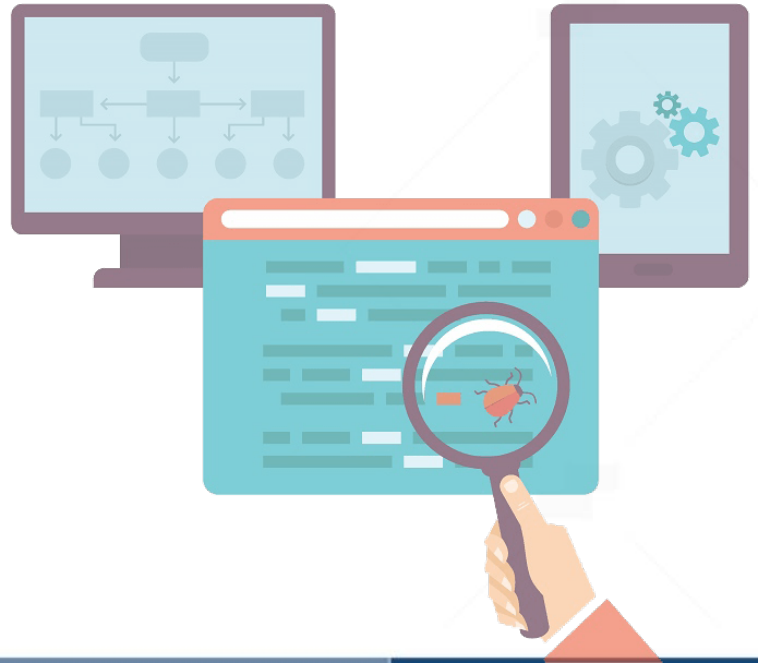
- User Profile Creation
- Content Sharing
- Networking
- Engagement
- Privacy Controls
- Messaging
- Content Discovery



User Classes and Characteristics:

Social media platforms cater to a diverse range of user classes and characteristics:

- General Users
- Businesses
- Content Creators
- News Organizations
- Developers



Operating Environment:

Web and Mobile

Internet Connectivity

Multiple Platforms

Dependencies:

User Internet Access

User Compliance

Third-Party Integration

Data Privacy

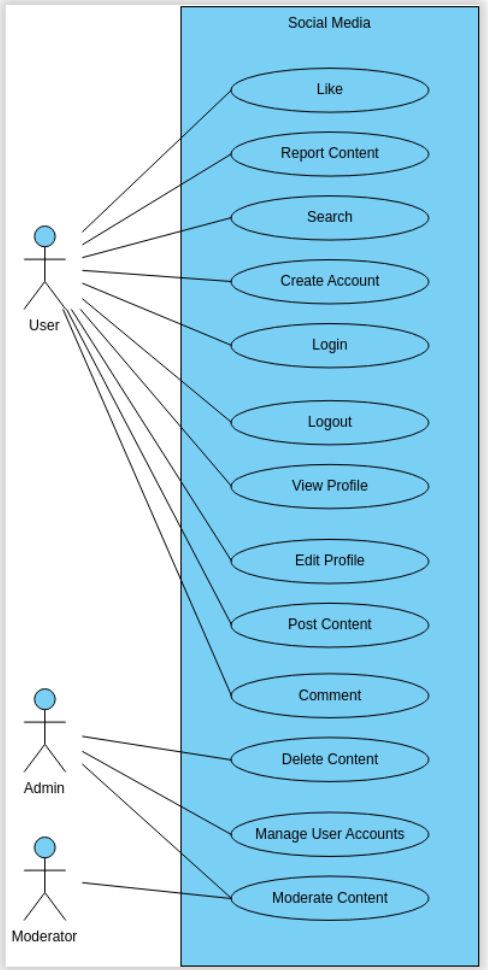
Requirements:

The development and maintenance of social media websites and applications entail various requirements, including:

- Performance
- Security
- Scalability
- User Experience
- Data Analytics

USECASE DIAGRAM:

A use case diagram is a graphical representation of how users interact with a system. It shows the different types of users and use cases for a system. Use cases are the actions, services, and functions that a system needs to perform.



Data Requirements:

User Profiles: Information provided by users, such as names, photos, interests, and connections.

Content: Text, images, videos, and metadata associated with user-generated content.

Engagement Data: Information on user interactions, including likes, comments, shares, and reactions.

Analytics Data: Data related to user behavior, traffic, and engagement to inform platform improvements.

Privacy Data: User preferences and privacy settings to ensure compliance with data protection laws.

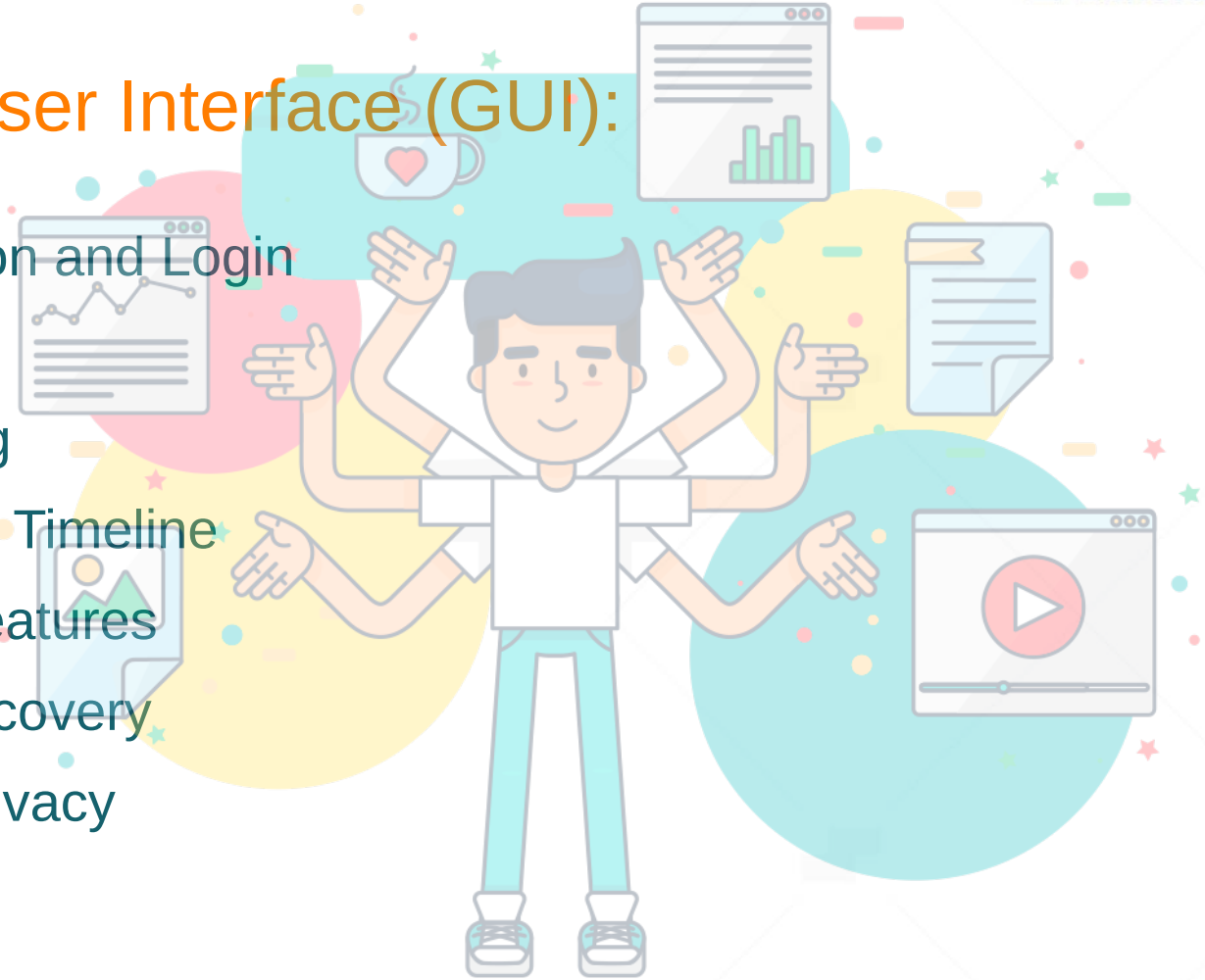
External Interface Requirements for Social Media Website and Applications:

External interfaces are crucial components of social media websites and applications as they determine how users interact with the platform and how the platform communicates with other systems.

Further Slides Shows the key external interface requirements for social media websites and applications, focusing on Graphical User Interfaces (GUI) and system features

1. Graphical User Interface (GUI):

- User Registration and Login
- User Profile
- Content Sharing
- News Feed and Timeline
- Engagement Features
- Search and Discovery
- Settings and Privacy



2. System Features:

API Integration

Reporting and Moderation

Analytics and Insights

Monetization and Advertising

Creating a social media website and application involves various requirements, including data and category requirements, an appendix, glossary, and a class diagram. Below, I'll outline these requirements in more detail:

1. Data Requirements:

User Profiles:

- Username
- Profile picture
- Contact information
- Privacy settings

Posts:

- Text content
- Media uploads (images, videos)
- Timestamp
- Likes, comments, shares

Friend/Following System:

- Friend list or followers/following

Messaging:

- Private and group messaging
- Notifications:
- Real-time notifications for likes, comments, messages, etc.

Analytics:
User engagement data

Reporting and Moderation:
Reporting abusive content

Authentication and Security:
Passwords, two-factor authentication, account recovery

2. Category Requirements:

User-generated Content:
Categories for posts (e.g., photos, status updates, articles)
Hashtags for organizing content

User Interests:
Categories or tags for user interests

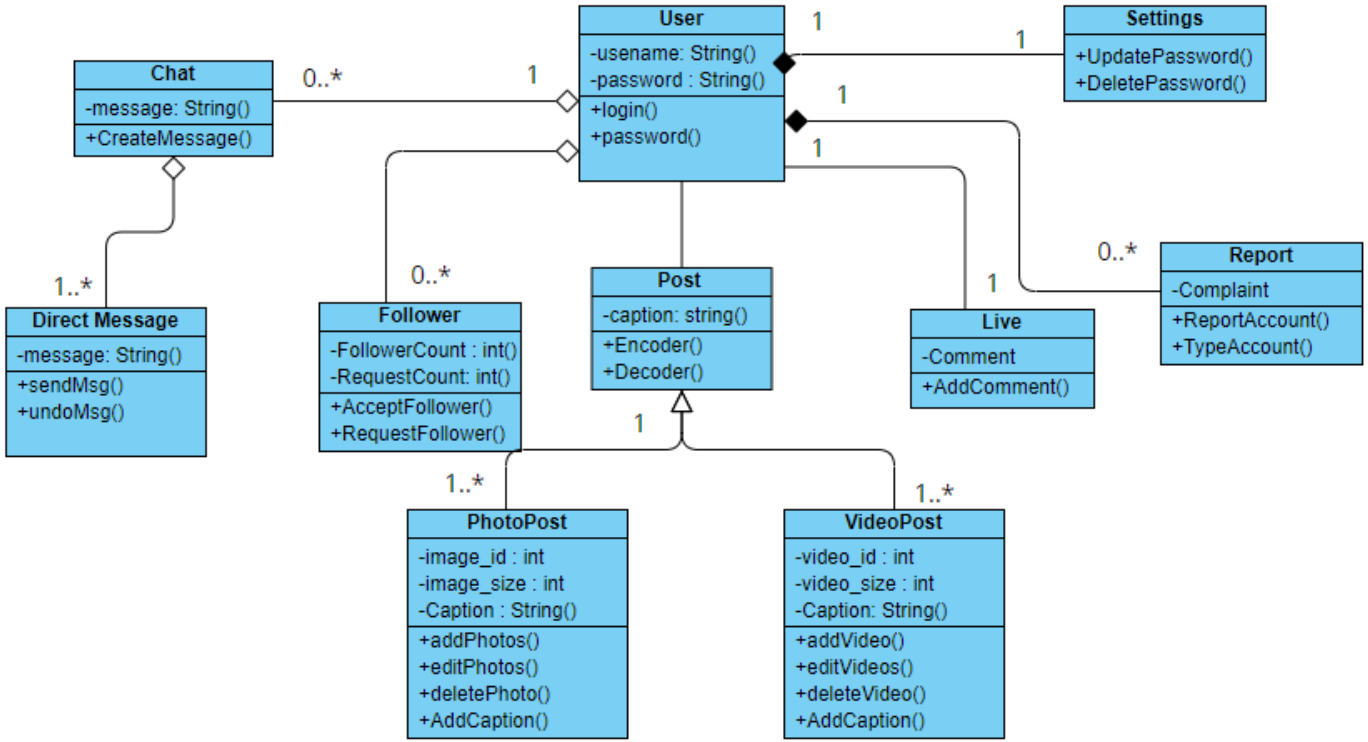
Privacy Settings:

Categories for controlling who can see posts (e.g., public, friends, private)

Recommendations:

Categories for content recommendations based on user interests

CLASS DIAGRAM



Submission Github

https://github.com/selva27-cloud/NM-DSCET-GROUP-4

Thank you!