SUNSTONE

" Social Media Website"

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Task - 1

Social media website

- The main purpose of social media website is to convey information in a way that is more formal or conversational than other long-form written content.

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Step-Wise Description

Introduction:

Clearly outline the purpose of a social media platform, it involves creating an account, establishing a profile, and familiarizing oneself with the platform's features for communication and content sharing.

1.Functional Requirements:

Specify the platform's functionalities, including user registration, posting content, connecting with others, notifications, and privacy settings.

2.Non-Functional Requirements:

Define performance expectations, like response time and system reliability, alongside aspects such as user interface design, accessibility, and security measures for the social media platform.

3.Use Cases:

Describe common Users can register, post content, connect with others, receive notifications, adjust privacy settings, message, edit profiles, create events, discover content, and deactivate accounts on the social media platform.

Summary of our task

Creating a social media website involves designing user interfaces, implementing user authentication, enabling content sharing, and fostering user engagement through features like comments and likes. Consider privacy measures, content moderation, and scalability for a comprehensive platform.. Its functional requirements include user registration, posting content, privacy settings. Non-functional requirements encompass user interface design, accessibility, security measure. Common use cases involve message, edit profiles, create events, discover content, and social media platforms.

Creation of Github account

GitHub Account Creation:
1. Visiting the GitHub website at https://github.com/.
2. Clicking the "Sign up" button and following the on-screen instructions to create account.
3. Verifying email address.

Summary of your task

Allows you to host, collaborate on, and manage software projects using Git, a distributed version control system. You can use GitHub to create repositories, collaborate with others, track changes, and manage your project's codebase.

Git commands

```
git init : Initialize a new Git repository.
git clone <repository URL> : Clone a remote repository to your local machine.
git add <file> : Stage changes for commit.
git remote add origin <link> : Choose the the remote url for repo
git commit -m "Message" : Commit changes with a descriptive message.
```

Summary of your task

These commands are just the basics. we can explore more Git commands and workflows as we become more familiar with version control and collaboration using Git and GitHub.

SRS FOR Blog Website

Software Requirement Specification (SRS): Social media website

Introduction:

Purpose: This SRS outlines functional and non-functional requirements for the social media Website to ensure it meets user expectations.

Software Requirements:
- **Operating System Compatibility:** Windows, macOS, Linux
- **Web Browser Support:** Chrome, Brave, Edge

Hardware Requirements:
- **For Mobile Application:** 2GB RAM, 50MB storage
- **For Web Application:** Standard hardware for web access

SRS FOR social media Website

Functional Requirements:

- **User Registration and Authentication:**

Users should be able to create accounts, with a valid email or social media credentials.

- **Profile management:**

Users should be able to create, edit, and delete their profile . Profile information should include basic details. Profile picture, and privacy settings.

- **Content posting:**

- Users should be able to create, edit and delete posts. Support for various media types(text,images,videos)in posts.

Non-Functional Requirements:

- **Performance:**

The website should load quickly, with response , scalability, and efficient data handling to deliver a fast and reliable user experience. The application should also synchronize data with other applications quickly and efficiently .

- **Scalabiilty:**

Scalability in a social media website refers to its ability to handle increasing user traffic and data growth without compromising performance.

Security:

Ensure encryption, strong authentication, and regular security audits to protect user data on the social media platform.