Course : Web Technologies

Semester Project Proposal

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Project Title:

Socio – A Social Media Platform

Project Description

Socio is a web-based social media platform designed to bring people together through posts, likes, and comments. It provides a simple yet engaging way for users to share their thoughts, images, and interact with others in a centralized feed. The platform focuses on a clean user experience, secure authentication, and seamless interaction between users.

List of Features

User Accounts

- **Registration:**

   Users can create new accounts by providing basic details such as username, email, and password.

- **Authentication:**

   Secure login and logout system ensuring user data protection.

- **Profile Management:**
  - View personal profile information (username, bio, profile picture).
  - View all posts made by a user.

Posts

- **Create Posts:**

Users can publish posts containing text with an optional image.

- **Manage Posts:**
  - Edit or delete personal posts.

- **View Posts:**

Browse posts made by a specific user or from the global feed.

Interactions

- **Likes:**

Users can like or unlike posts to express appreciation.

- **Comments:**
  - Add comments to posts.
  - View all comments associated with a specific post.

Feed

- **Home Feed:**

Displays a centralized feed showing posts from all users, sorted by date or relevance.

Mandatory Requirements

- User authentication and authorization system
- Responsive UI for both desktop and mobile.

- Database to store user information, posts, likes, and comments.

- Image upload.

- CRUD functionality for posts and comments.

Expected Outcome

By the end of the project, **Socio** will provide:

- A functional social media web application.

- Secure user authentication.

- Ability for users to post text and images, interact via likes and comments.

- A scalable and maintainable codebase ready for future feature expansion.