Sahil Tambe

Table of Contents

Title: Polling Website

Problem Statement

The polling website aims to provide a platform for users to create and participate in polls, surveys, and opinion-based discussions. The objective is to create an intuitive, user-friendly interface that allows for efficient polling and data analysis while ensuring the security and privacy of user data.

Requirements/Features

1. User registration and authentication

2. Poll creation and management

3. Voting mechanism with real-time updates

4. Data visualization for poll results

5. User profile management

6. Admin panel for monitoring and managing user activities

7. Security measures to protect user data

Technologies

1) Frontend: React, Tailwind CSS
2) Backend: Node.js, Express.js, Socket.io
3) Database: MongoDB
4) Authentication: JSON Web Tokens (JWT)
5) Deployment: Render
6) Version Control: Git

APIs to be Developed

1. User Management API

2. Poll Management API

3. Voting API

Modules

1. User Authentication Module

2. Poll Creation and Management Module

3. User Profile Management Module

4. Admin Panel Module

User Case Diagram

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Class Diagram

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Sequence Diagram

Future Scope

1. Integration with social media platforms for increased user engagement.

2. Implementing additional data analysis tools for in-depth insights.

3. Enhancing security features to ensure the integrity of user data.

4. Introducing multilingual support for a diverse user base.

5. Developing mobile applications for increased accessibility.

6. Implementing machine learning algorithms for personalized content recommendation.