Documentation

Pollchat is a comprehensive web application which allows users to vote for their favorite parties and simultaneously chat with other live users. You can see poll stats running live!

Technical Implementation

- System Architecture follows MVC or a Model, View, Controller architecture pattern for smooth functioning and easel
- Backend Technologies Pollchat uses are Nodejs, Expressjs
- Frontend Technologies Pollchat uses are HTML, CSS & Javascript and Chartjs
- Database used is Mysql with Sequelize ORM
- Real-time Communications are handled using Socketio based emit-event and listen-event and broadcast-event model.

Features

Pollchat has realtime communication as well as robust security features.

- real-time chatting
- realtime-polling and visualising polls
- user password encryption
- session-token
- password reset feature
- notifications enable, disable/mute
- message edit/delete feature
- message history and user profile

Challenges faced and presenting solutions

- communicating simultaneously realtime in chats as well as polls-counting - to overcome this challenge, various different chatting and polling events and notifications events have been thought and executed.

- to make the chart a doghnut chart and while loading intialising the poll-data with previously stored database-data was a challenge - to overcome this, an array containg object is used dynamically to handle all incoming data during initialising.

- Third challenge was to seamlessly inbuilt a notification feature without much noise, that integrates with the app seamlessly.

License

Arvind Keshri **Pollchat Software, Hell Yeah!**