

ClassRoom Application

The idea of the application is to allow users to join a classroom discussion and ask doubts or discuss relevant topics in the group. The value of the application is to facilitate communication between students and mentors. The vision is that it will make getting course updates and solving doubts easier for both students and professors.

Core features:

- **Login/Sign up**

- **Main page**

The main page after login will show a list of rooms joined by user. The page will contain list of rooms and a button to create a room.

- **Discussion Room**

A real time multiuser chat. It will be a part of main page. The room will contain people with different roles.

- **Create a Room**

A user can create a room and add members while also assigning roles to them. Each room will have a unique id which can be used to join it later.

- **Join a Room**

Any user can join a given room with its id. The id will be shared by room creator.

- **View Users Online**

In the discussion room, any user can view the list of active and offline users who are part of the room.

- **Edit Room Details**

This page will allow the user to change the room title, room description, user roles and kick users.

Extra features:

- **Social Media sharing**

To share the room id on social media platforms so it can be joined by other users.

- **Private Messaging**

User can also chat with other users directly.

- **User Flairs**

User who creates room can define the roles for its members.

- **Message Upvotes/Downvotes**

The people can upvote or downvote a message in the chat. This helps in creating a points table for members.

Group no. 12

Group Members:

- 1) Jay Goyani (10456006)
- 2) Meet Patel (10446501)
- 3) Deep Kakadia (10446430)
- 4) Yash Navadiya (10455328)