Hack Rx

Team MeAndTheBoys

SRM Institute of Science and Technology

Group Video Watching Experience

We want to build an app, where user can share the video watching experience with the loved ones and can have the same fun and bonding while also practicing social distancing norms The app will consist of the following things –

a. Entering a **virtual private room**

b. The option of entering nickname

c. About the **page** and experience

d. **Sharable link**

Our Solution

Group Video Watching Experience

Virtual Room

Private Secure Room

VideoRooms

Multiple Admins

Sharable Link

Chat Feature

& much more...

Group Video Watching Experience

We developed a mobile app named **"VideoRooms"**, which will be having real-time group video watching features & much more. Following are some of the highlights:

- **VideoRoom** will be a virtual room where users will join to watch video played by the **admin.**

- A VideoRoom can have a **limited size** i.e number of members.

- Every VideoRoom will have a photo & **description** about it.

- There will be **real-time chat** with members including language translation.

- Other users can be invited via **links**, email or can join using unique code.

- There will be 2 types of VideoRooms – **Private & Public.**

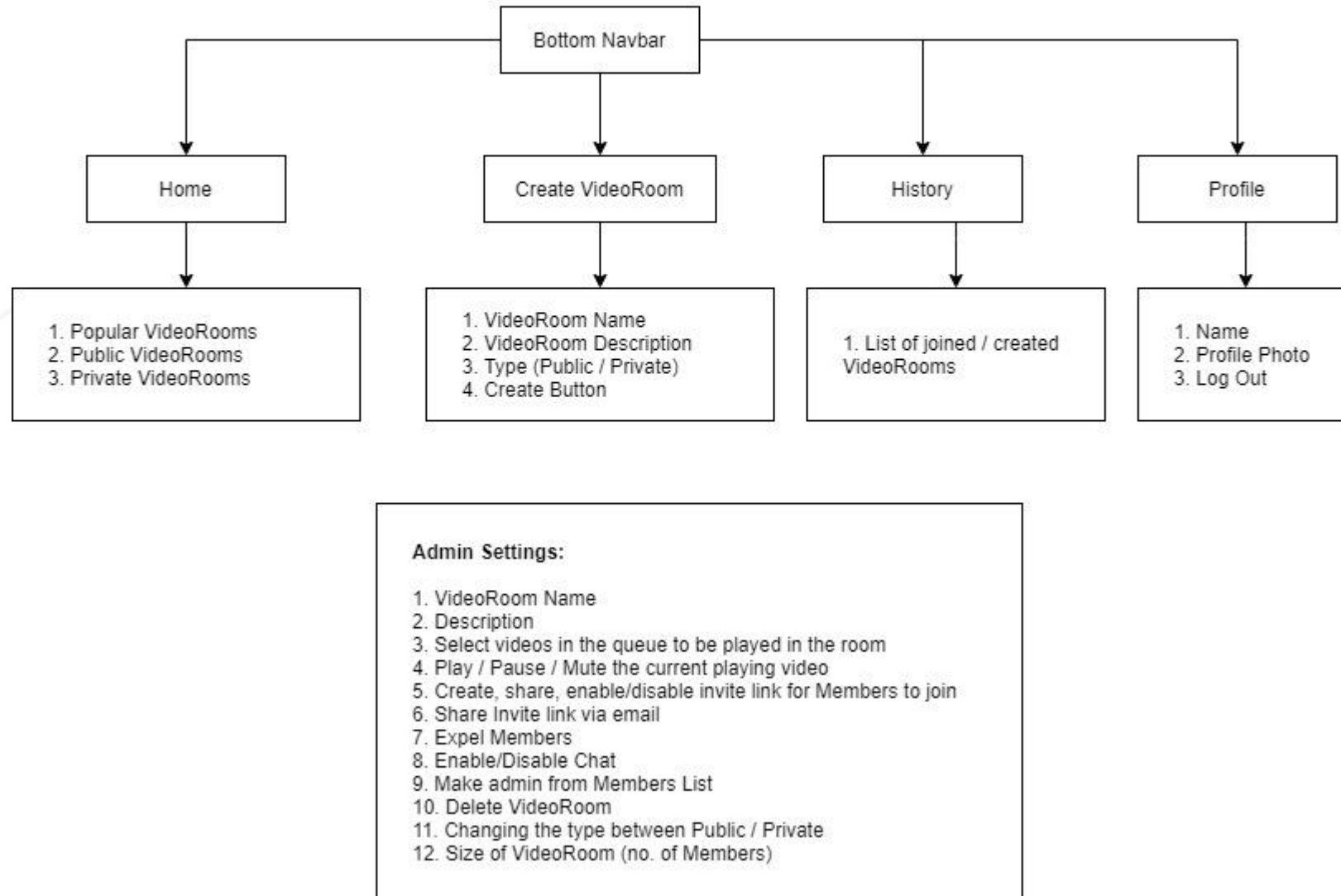- Video can be **paused/played/muted** by the admin anytime.

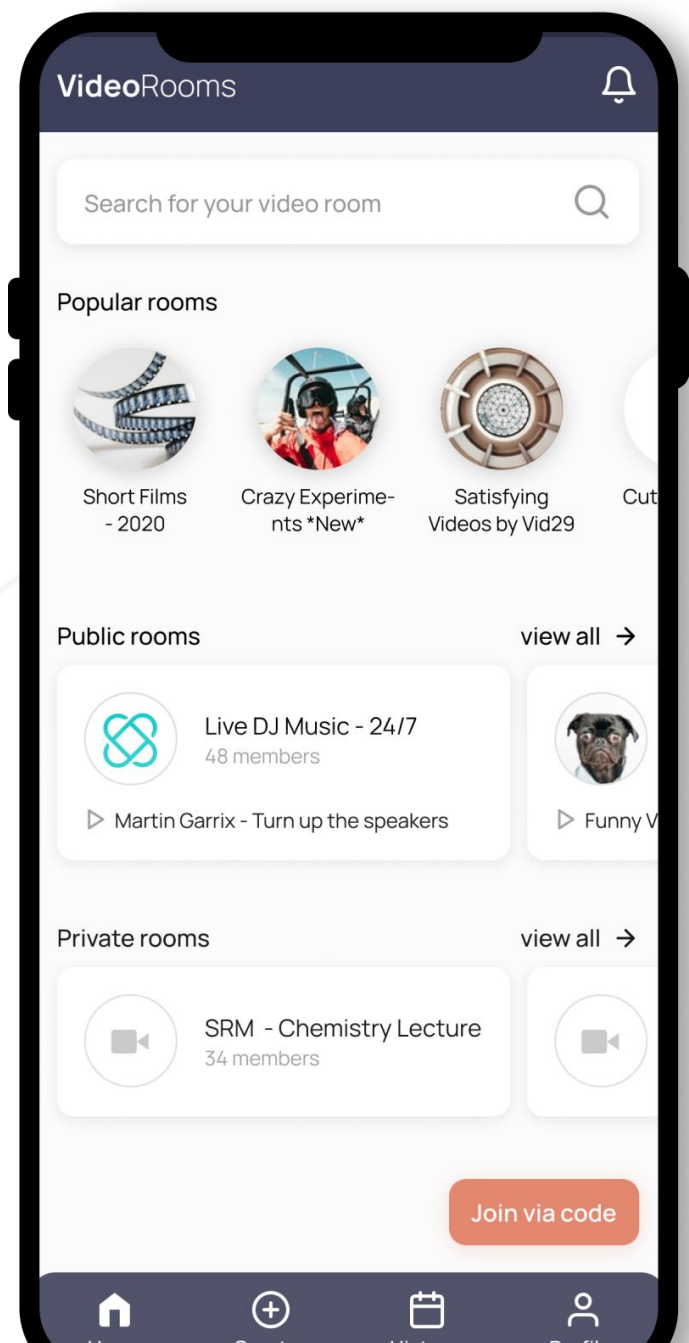- Every user will have their own **profile** and login details.
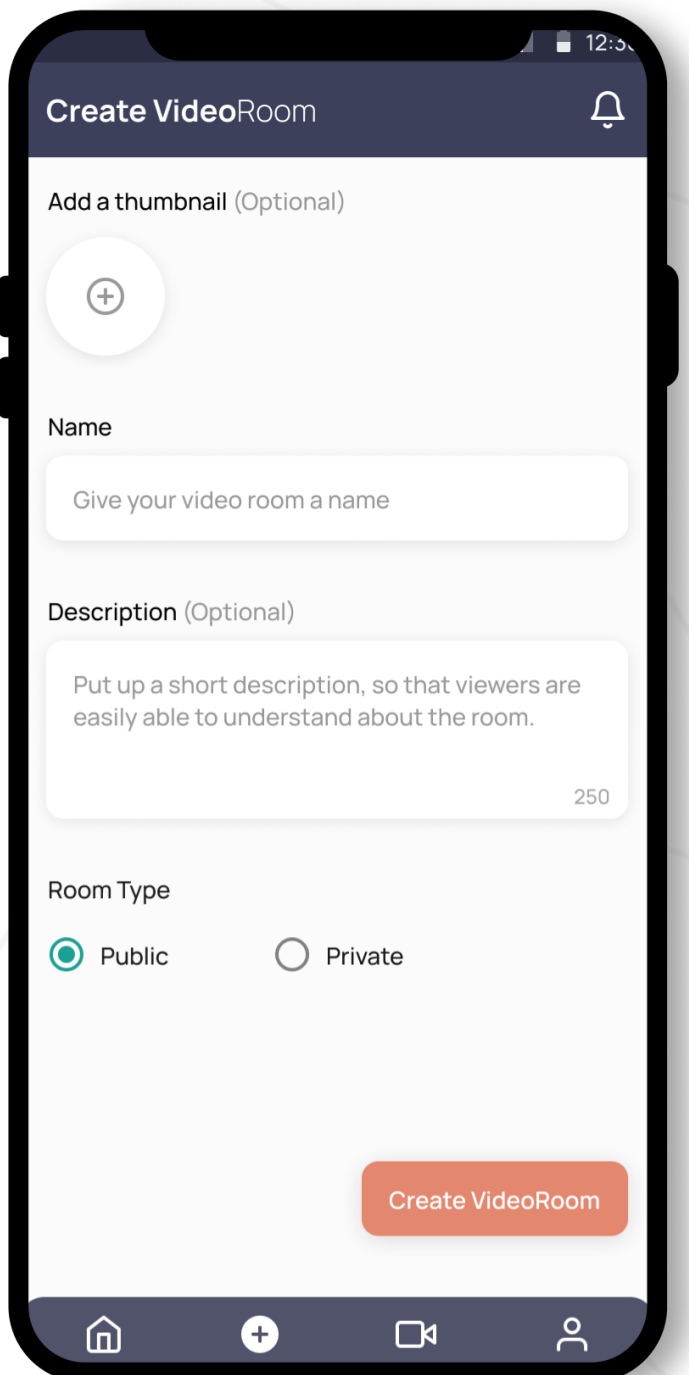
Flow Diagram

VideoRoom App

A mobile app, which will be having real-time group video watching features & much more. Where users will join VideoRooms and watch videos. A VideoRoom will consist of a description about the room. The admin can select a single or multiple videos in a queue, which will be played for all the users.
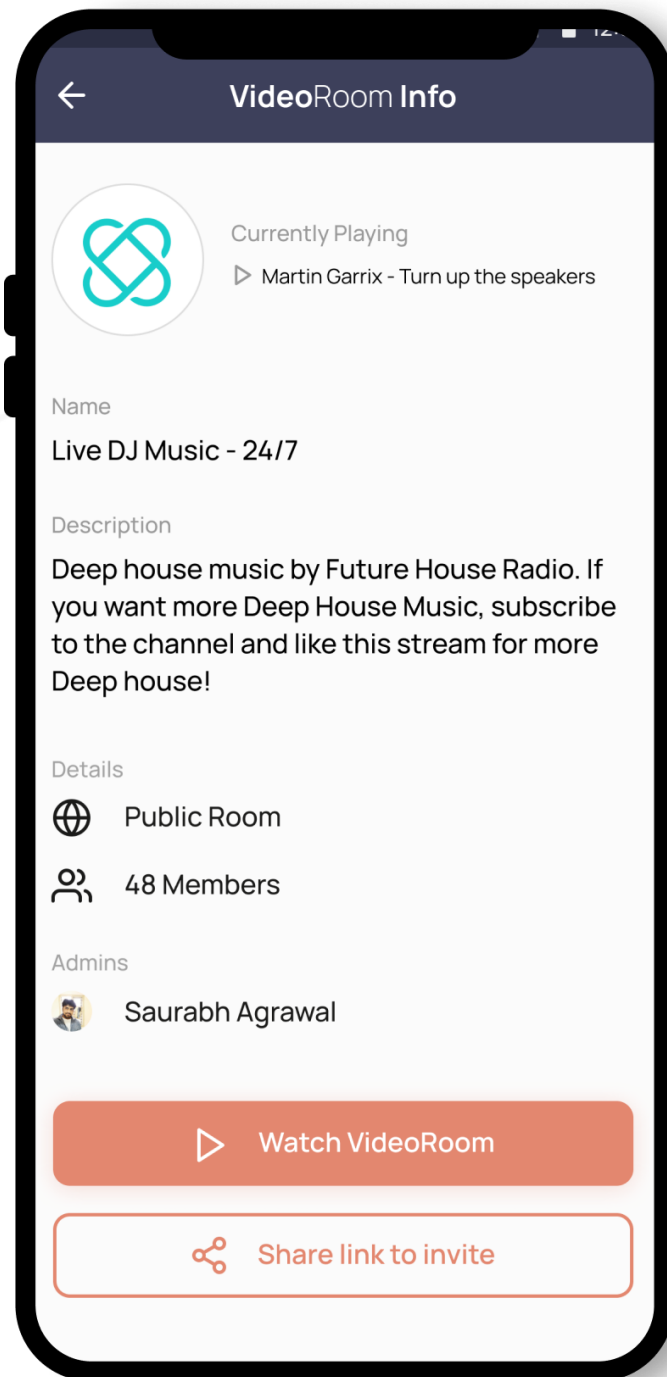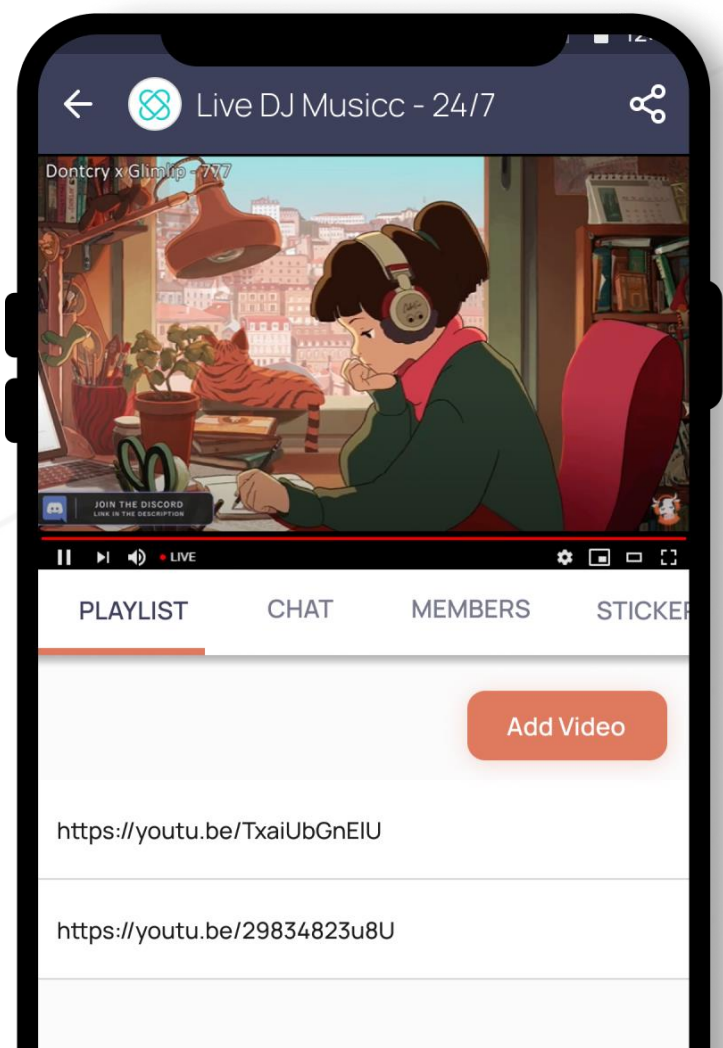
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   │   Home   │     │ Create VideoRoom│  │ History  │     │ Profile  │
   └──────────┘     └────────────────┘  └──────────┘     └──────────┘
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Home	Create VideoRoom	History	Profile
1. Popular VideoRooms 2. Public VideoRooms 3. Private VideoRooms	1. VideoRoom Name 2. VideoRoom Description 3. Type (Public / Private) 4. Create Button	1. List of joined / created VideoRooms	1. Name 2. Profile Photo 3. Log Out

Admin Settings:

1. VideoRoom Name
2. Description
3. Select videos in the queue to be played in the room
4. Play / Pause / Mute the current playing video
5. Create, share, enable/disable invite link for Members to join
6. Share Invite link via email
7. Expel Members
8. Enable/Disable Chat
9. Make admin from Members List
10. Delete VideoRoom
11. Changing the type between Public / Private
12. Size of VideoRoom (no. of Members)

Home Screen

Create VideoRoom

VideoRooms

Search for your video room

Popular rooms

Short Films - 2020

Crazy Experime- nts *New*

Satisfying Videos by Vid29

Cut

Public rooms   view all →

Live DJ Music - 24/7
48 members

▷ Martin Garrix - Turn up the speakers

▷ Funny V

Private rooms   view all →

SRM - Chemistry Lecture
34 members

Join via code

Create VideoRoom

Add a thumbnail (Optional)

⊕

Name

Give your video room a name

Description (Optional)

Put up a short description, so that viewers are easily able to understand about the room.

250

Room Type

◉ Public   ○ Private

Create VideoRoom

App Prototype

VideoRoom Info

App Prototype

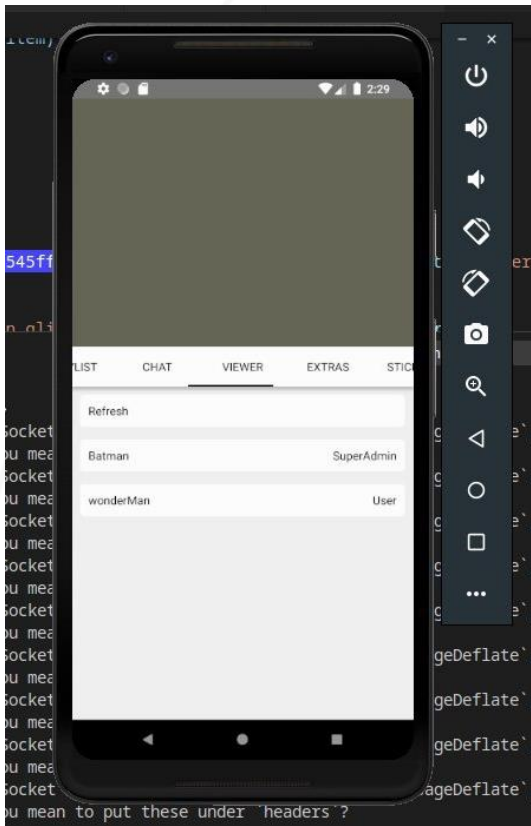# Live VideoRoom

Playlist

Multiple Viewers
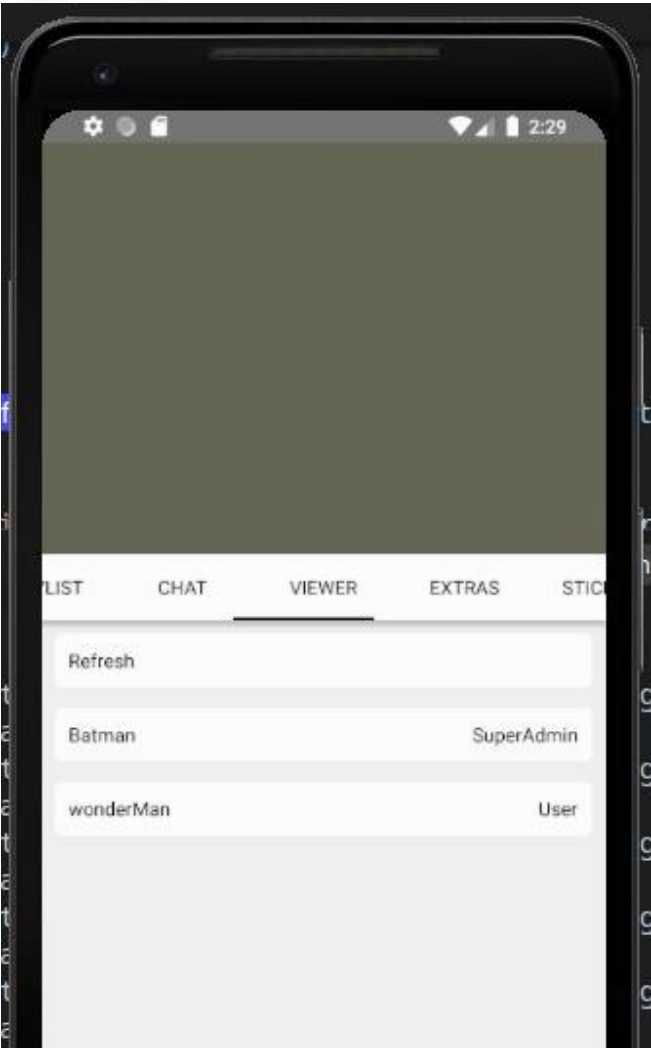
Sticker share
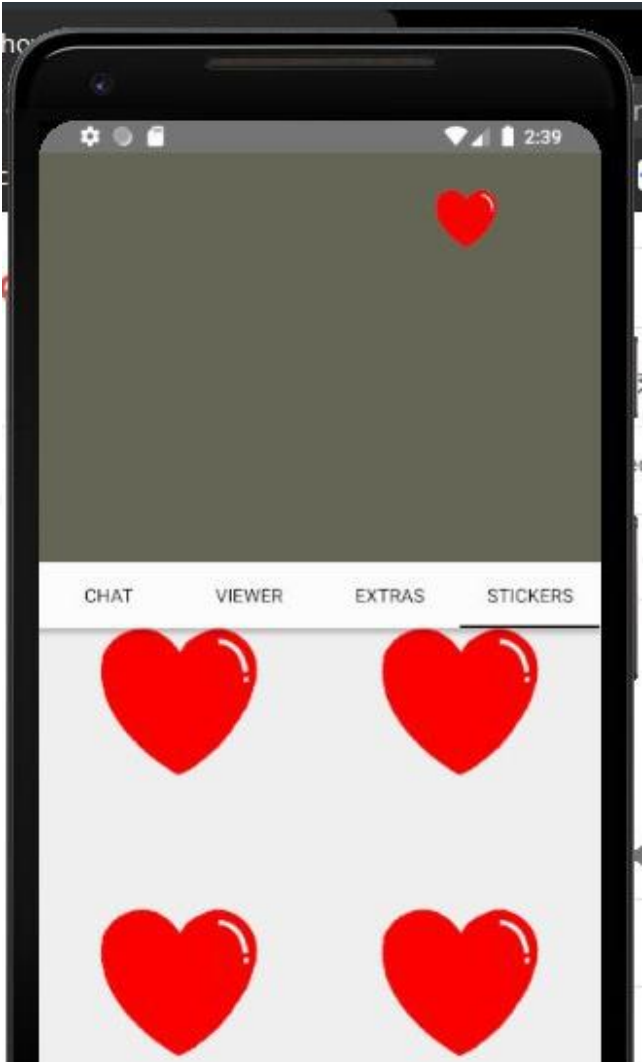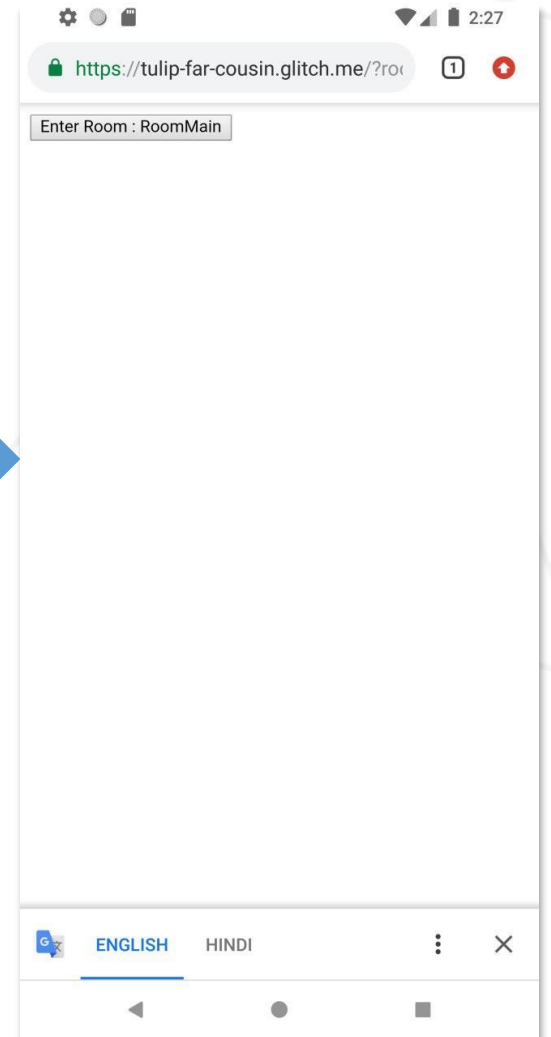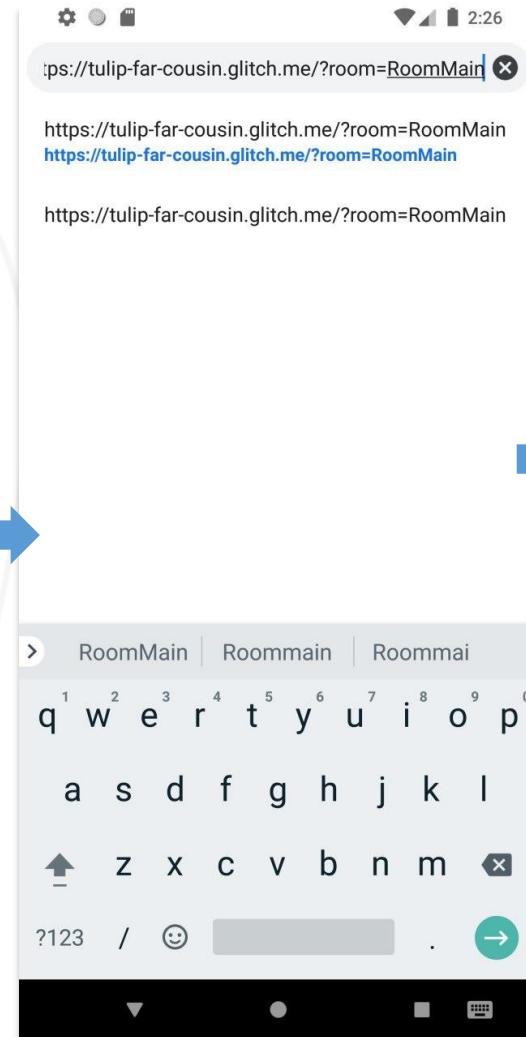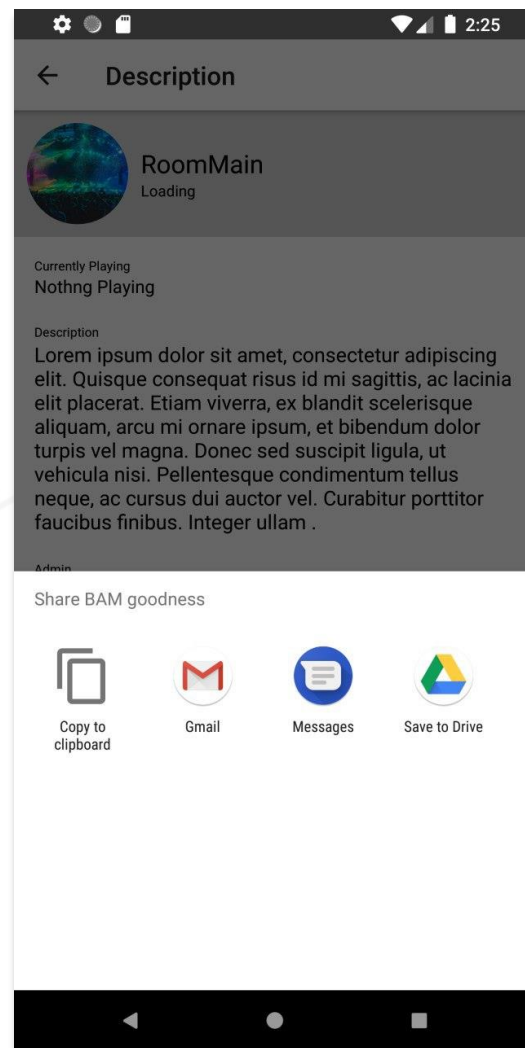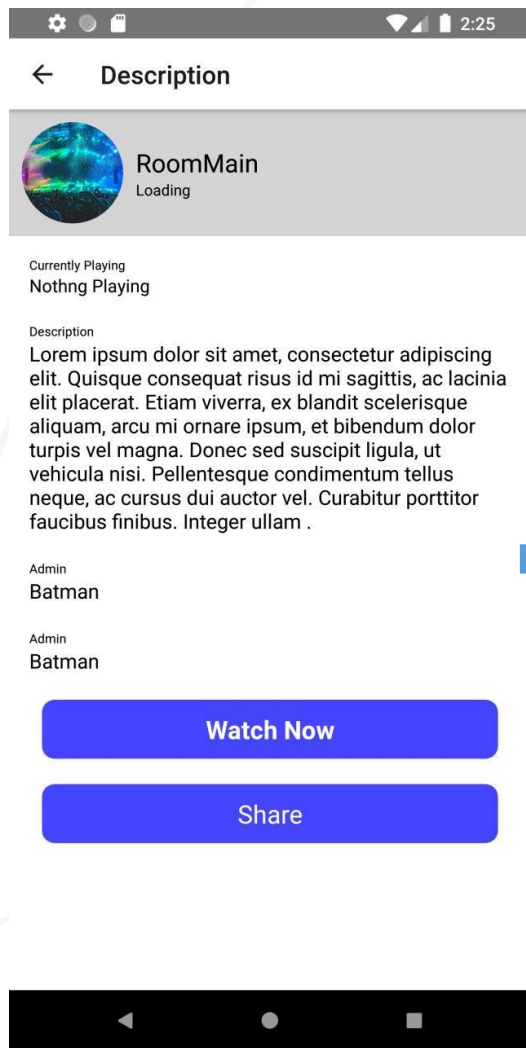
Invite – Link Share
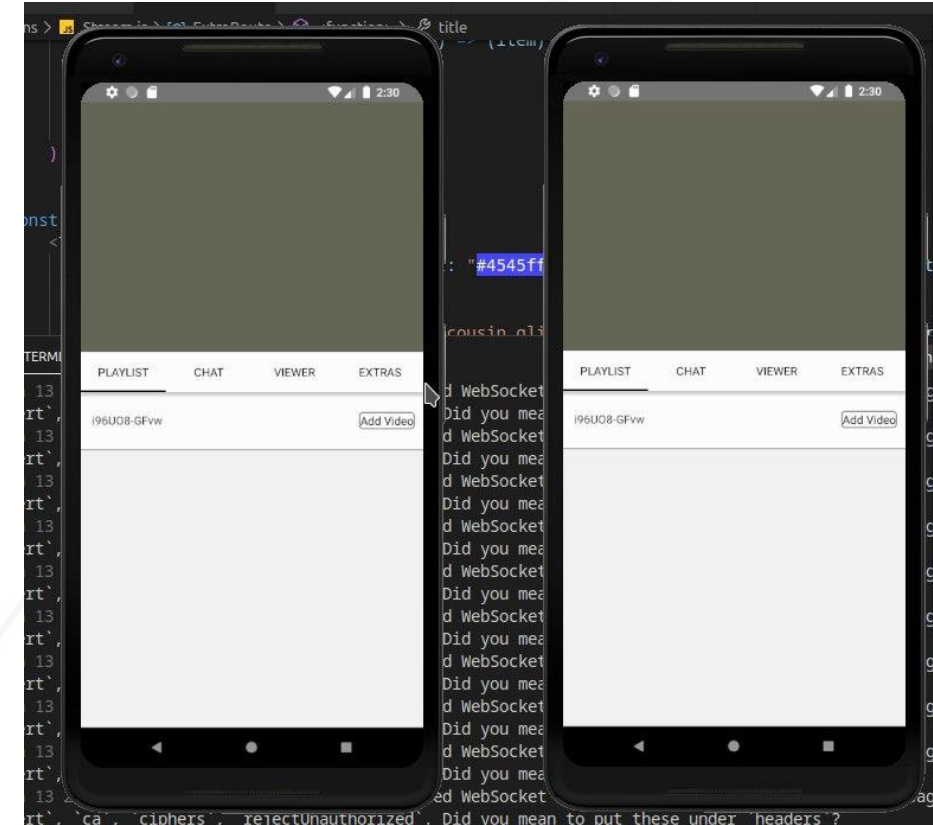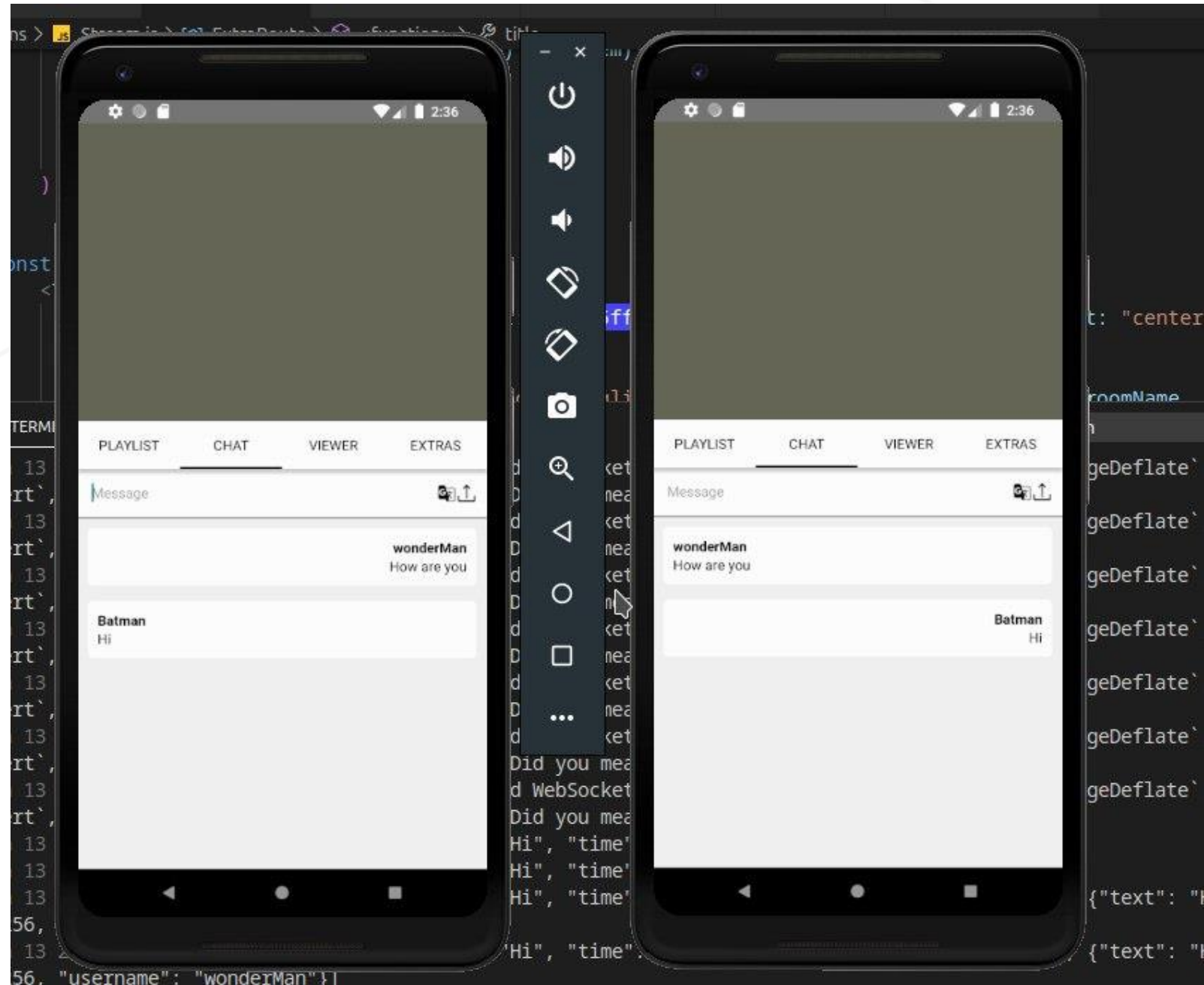
"wonderMan" is **User**
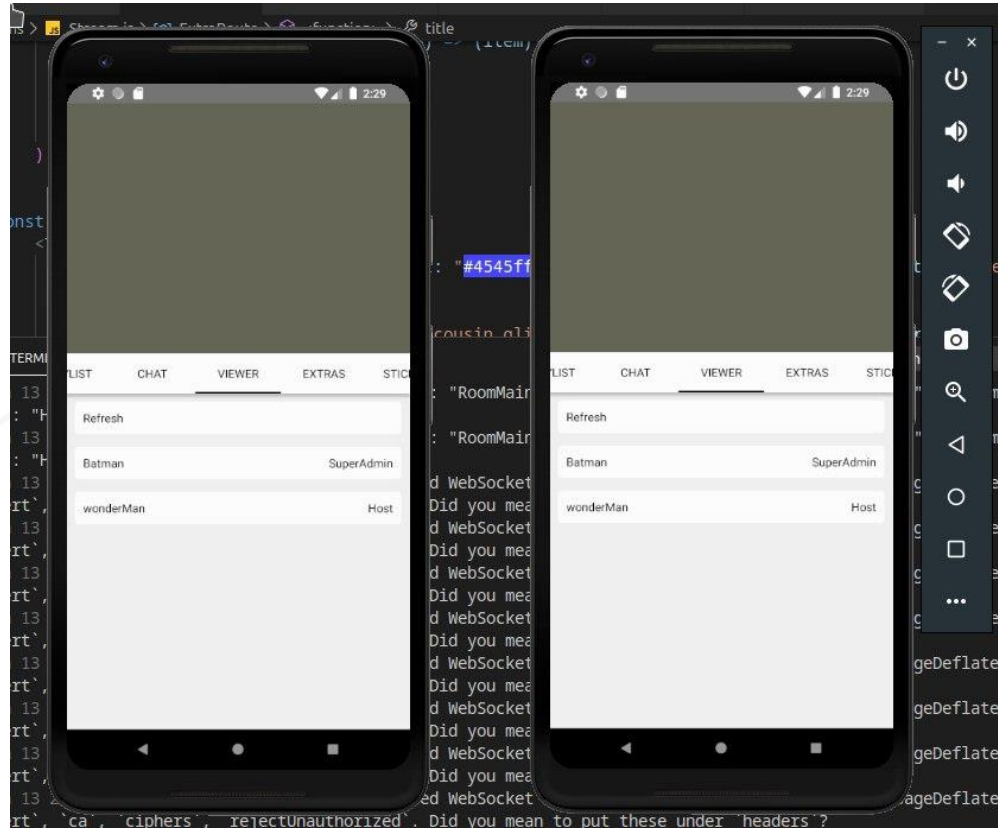
"wonderMan" is assigned **Host by** Admin

Now both Admin & "wonderMan" can
Add videos in playlist

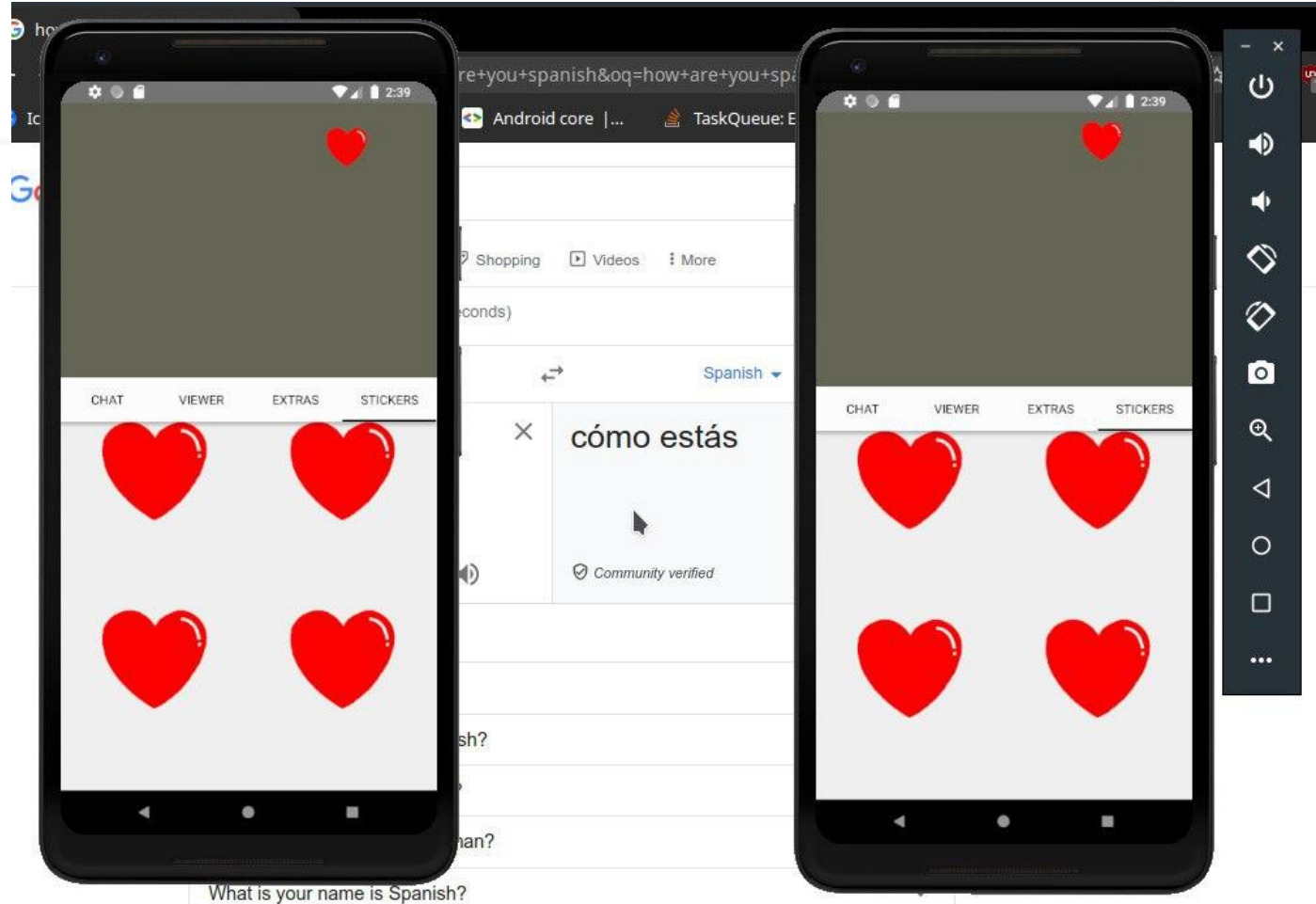# Assigning Admin Rights

Real-time Chat Feature

Extended Features

- **Animation Overlays**

Animation overlays over videos (members can express their feelings while watching the video, example - emojis)
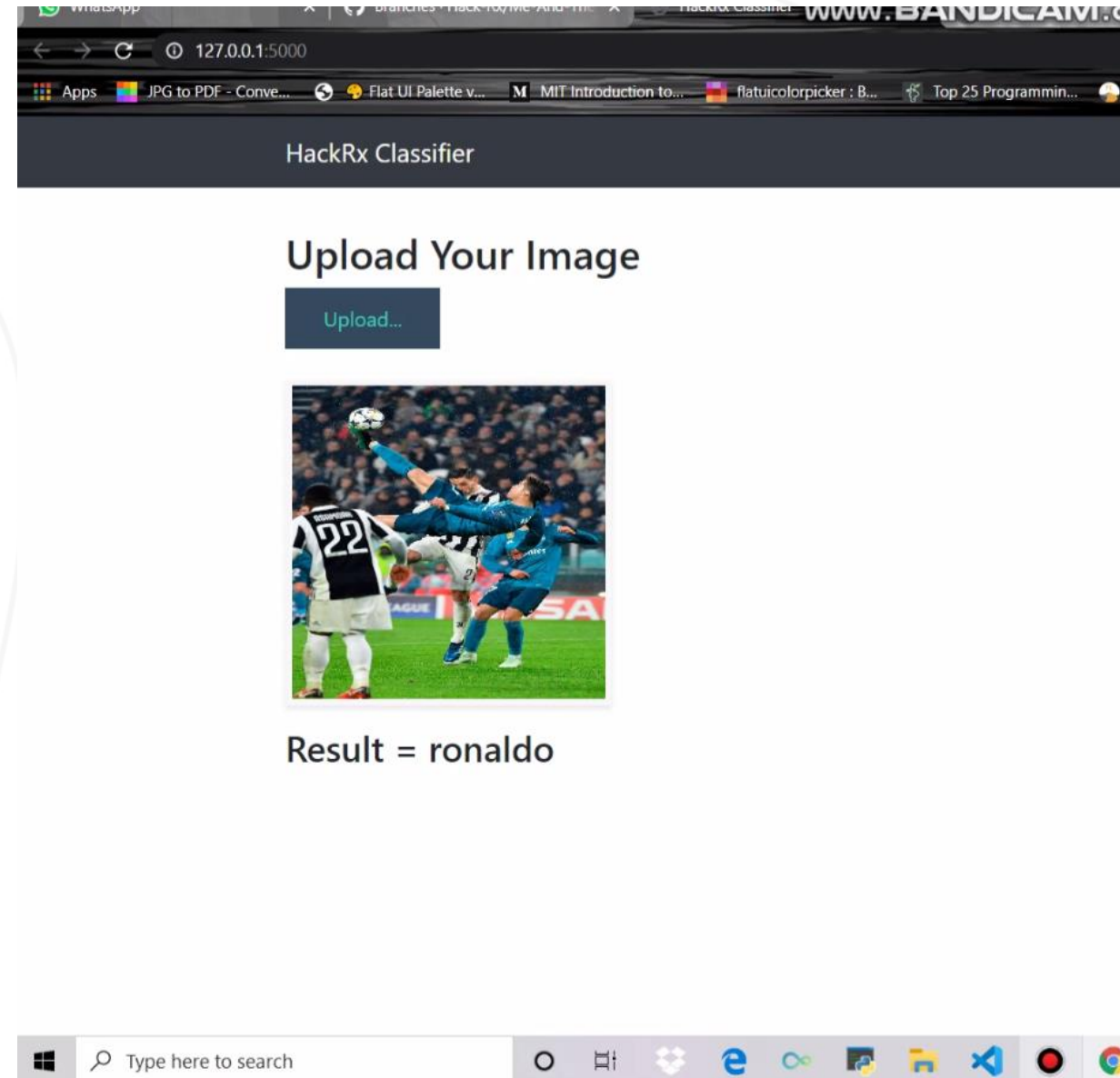
Extended Features

- ## Video Metadata

Videos can have meta data of their own, such as **tagging actors** as they appear in any video, automatic statuary warnings, automatically flagging the **NSFW content** to make the app safe for children.

Working concept on browser

Tech Stack

Design : Figma

Backend : node express

Frontend : (React)

Database : mongoDB Atlas

Cloud Services: HEROKU

ML/Ai: fast.ai YOLO

How is our solution different?

• Anyone can easily create or join a VideoRoom and enjoy the application. We are implementing the all the features in more simpler and easy to understand way to the users.

• Our solution consists of many settings to the admin of the VideoRoom which gives full control to them to host videos for the members

• The UI/UX of the app is also be unique and one of it's kind.

Future possible enhancements

- Screen sharing feature would be a great addon

- Google Assistant can be implemented

- Gamification elements can be added (ratings, points, etc.)

- App can be made Multi-Lingual

- Scheduling a VideoRoom can be done, selecting a future date & time

Business Model (B2C) / Customer Segment

Free Version

- Ads

- 1 free videoroom can be created

VideoRoom Premium

- No Ads

- Unlimited number of rooms can be created

Our Team

Saurabh Agrawal

App Development

Vikash Kumar Jha

Machine Learning

Rishabh Verma

Web Development

Atif Hossain

Web Development

Shwet Mishra

UI/UX Design

Thank You!