

Project Name: Gameroom: A video sharing platform for gamers.

Team Members:

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Proposal: A video sharing platform where a content creator can show their skills, share their insight and tell the story of becoming the best in their respective games. There is also a forum where they can discuss issues of their respective games, their Esport scene and help each other out. This platform would be especially helpful for the newcomers. As a newcomer to the gaming scene it becomes quite difficult to choose from a huge archive of contents to follow. So we tried to make a platform where users can easily interact with the experienced gamer and get their insights.

Technology used:

- Javascript
- React
- Firebase (BaaS)
- Firestore (Database)
- Firebase Storage (For data storage)
- UI library:
 - Bootstrap
 - Material UI
 - Semantic UI

Current support: Currently we have support for 3 games with a rich Esport scene. Rainbow Six Siege, Counter Strike Global Offensive and Valorant.

Features:

- User Role:
 - While registering in this app the user can register as either:
 - - Content Creator
 - - Viewer
 - App provides different type of features based on user role
- Features for a non-registered user:
 - Can view the list of available videos
 - Cannot watch a video
 - Can view the forum posts
 - Can view the comments on the posts
 - Can not comment on the post

- Cannot view user profile
- Can create account
- Features for viewers:
 - Sign up using email and username
 - Does not require email verification
 - Can view all their forum posts in their respective profile page
 - Can Update profile information
 - Can Update email and password
 - Can update their profile picture
 - Can interact with others through forum
 - Can view forum posts
 - Can post in forum
 - Can comment on the posts
 - Can watch the uploaded video
 - Can comment on the uploaded video
 - Can like the video
 - Can sort the videos by time and popularity(likes)
 - Can filter the videos according to category(R6, Valorant, CSGO)
 - Can view other user's profile
 - Reset password using reset link if they forget password
- Features for Content creator:
 - Has all the features as the viewer
 - Verified by email
 - Without verification will have same feature as a viewer
 - After verification can upload videos
 - Preview the uploaded video
 - Add video details
 - Upload a thumbnail for a video
 - Edit video
 - Delete video

- Timeline:
 - October:
 - User role implementation
 - Conditional rendering of features based on user role
 - Get videos based on popularity and upload time on Homepage
 - November:
 - Forget password module
 - Update profile module
 - Update email and password
 - Changed old video upload module
 - Added video preview after upload
 - Upload profile picture
 - Added page containing all the videos
 - December:
 - Implemented video category
 - Error handling(Back end error)
 - User error handling for better user experience(User input error)
 - Redesigned Authentication modules(Signup and Login)
 - Edit and delete video
 - Changed used UI library from only Material UI to Semantic UI and added Bootstrap
 - January:
 - Like video(Like count)
 - Comment on video
 - Added video filter(based on category and popularity)
 - February:
 - View User profile
 - Implemented private routing
 - Added upload thumbnail module
 - User email verification and restriction for unverified users
 - View uploaded video on user profile(Content Creator)
 - User profile information
 - Started working on forum
 - March:
 - Added forum
 - User can post on forum
 - Comment on forum post
 - View forum post on user profile
- Future works:
 - Recommendation module
 - Follow a content creator
 - Push notification
 - Specify best comment from forum comments
 - Search video