



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

J Component Project Report

on

YOUTUBE

to be submitted in partial fulfilling of the requirements for the course on

Human Computer Interaction – SWE1018 (A1)

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- **ABSTRACT:**

This survey centered its attention on the people's understanding of and frame of idea about one of the most famous online video sharing and social media platform. With the help of this survey we became acquainted with the fact that even one of the most used video streaming platform can still use changes and be even more convenient for the user. To obtain a detailed understanding this survey was circulated from only viewers to content creator and their reviews can introduce novel challenges and opportunities for optimizing the performance of short video sharing services.

- **INTRODUCTION:**

YouTube is 12 years old now. What started with a single website that supported a single video format, 320x240 at 4:3 aspect ratio, today is a hub of entertainment in itself. The world has also changed a lot in this period with the introduction of new devices- mobile, Tablets, wearables and Smart TVs etc., and new technologies that has unleashed new ways to discover and consume content. In the last decade, we've also seen a significant change in the ways a user interacts with the device, majorly with the touch replacing the tab and the press button. Also, new video viewing platforms like Vimeo, Netflix etc., have brought in a range of features like multi format video support, new ways to search content and the screen interfaces to fit into a multiscreen world and accentuate the user experience. So, it was about time, YouTube also transform itself in sync with the new-age user needs and modern UI/UX design philosophy.

- **FUNCTIONALITIES INVOLVED:**

YouTube consists many functionalities such as: Videos on each and every topic around the world, YouTube search, YouTube explore to see the trending videos in our region, YouTube shorts for short videos, YouTube create, YouTube watch later and many more.

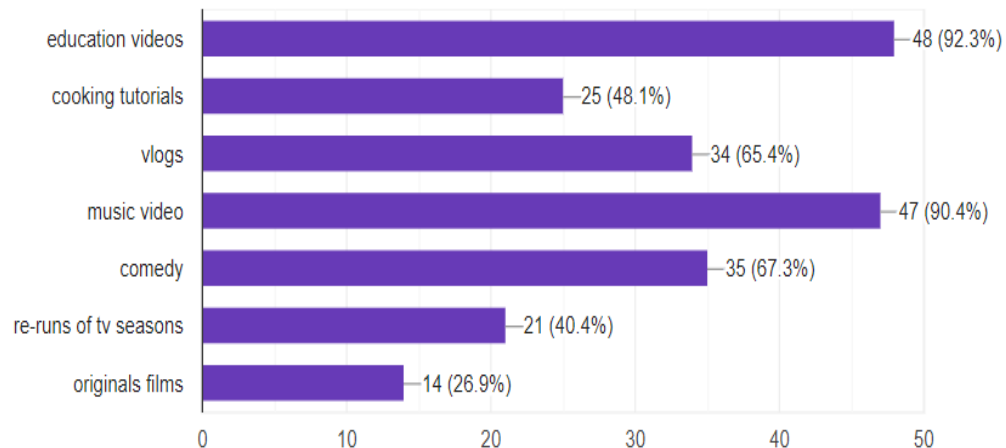
Review-1 Research and Analysis:

A Google forms with the below questions was distributed to collect reviews from the users.

1. What do you use YouTube for?

what do you use youtube for?

52 responses

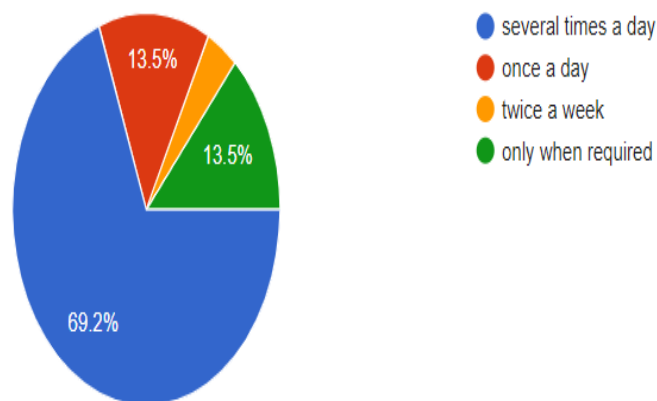


92.3% according to this survey use YouTube for educational videos. The next thing that YouTube is used for it's music videos 90.4%. The next popular thing on YouTube are vlogs and standup comedy apart from all this YouTube is used for shows and cooking tutorials. Least people watch YouTube originals this means most of the people are not interested in paying money for it.

2. How often do you Watch videos on YouTube?

How often you watch videos on youtube?

52 responses

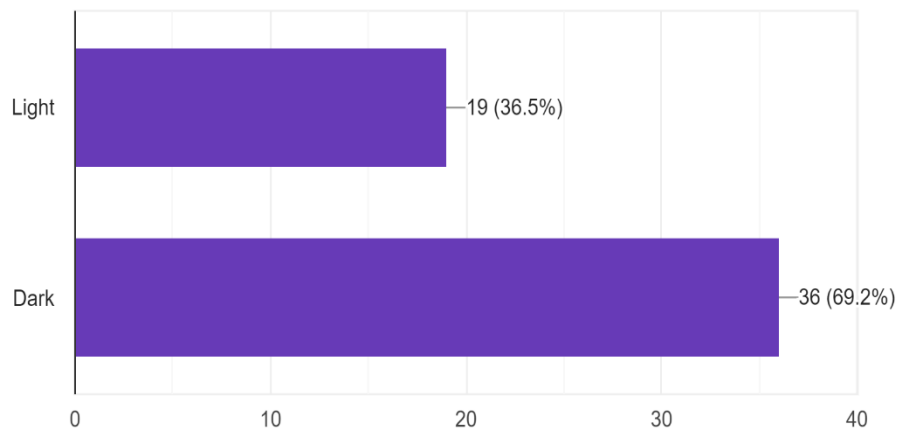


Most of the (69.2%) people watch videos several times in a day which means YouTube is used by people in on daily basis and have become a part of their lives.

3. What Theme do you prefer while using YouTube?

What theme do you prefer while using Youtube?

52 responses

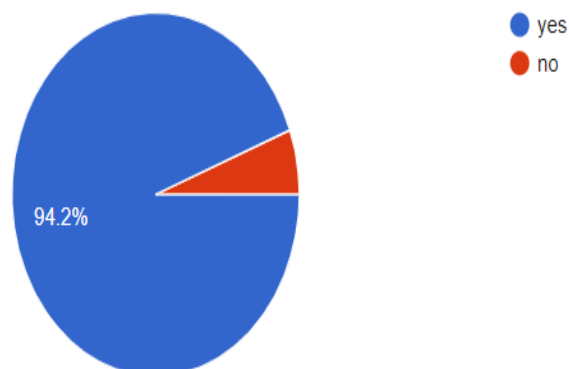


According to the survey of conducted by the team for over 50 people about 69.2% people liked using the YouTube in the latest and trending Black Theme while 36.5% people like it using it in its conventional light theme.

4. Do you Find YouTube's search function easy to use?

Do you find youtube's search function easy to use?

52 responses

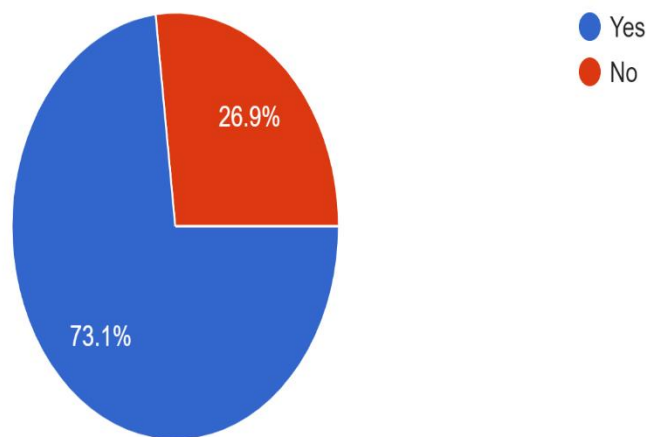


According to the survey conducted by our team for over 50 people about 94.2% people found YouTube's search function easy.

5. Do you like the placing of buttons on YouTube page?

Do you like the placing of tabs(buttons) on YouTube page?

52 responses

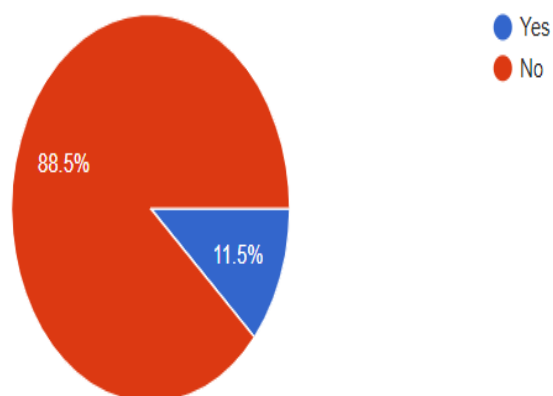


According to the survey of conducted by the team for over 50 people about 73.1% people like the overall placement of the functional buttons(tabs) on the homepage of YouTube while the rest (26.9%) found some inconvenience.

6. Do you find any difficulty in uploading your content on YouTube?

Do you find any difficulty in uploading your content on youtube?

52 responses



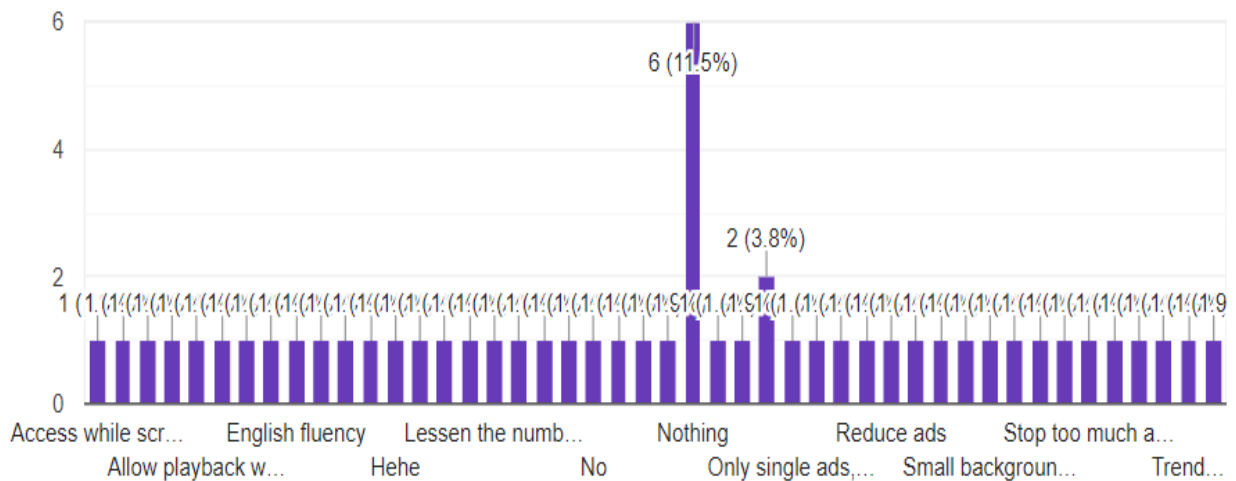
According to the survey 88.5% of people are not facing any difficulty in uploading their content

which means easily they are able to upload their videos.

7. What is the thing you want YouTube to adapt as soon as possible?

What is the one thing you want youtube to adapt as soon as possible?

52 responses



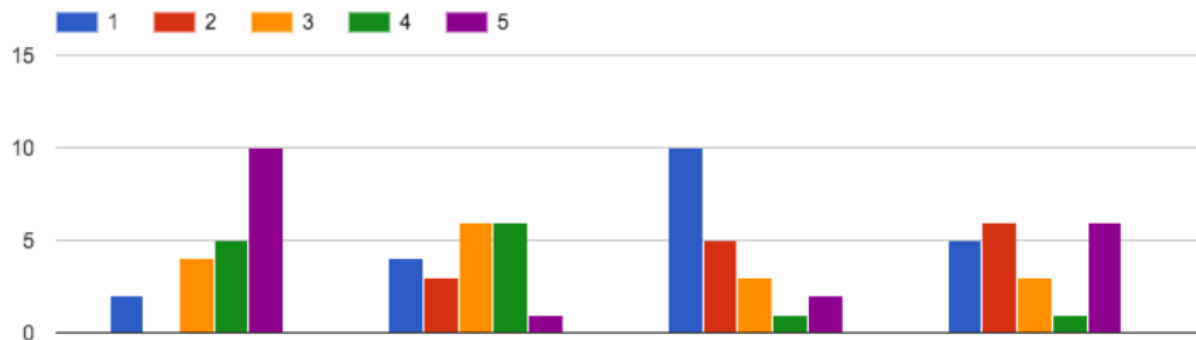
Different users have different perspectives about the changes they want such as reduced ads, see trending videos more, easy playback, more control and some people are ready to adjust.

7.

on a scale of 1 to 5, what do you most likely do first when you open the YouTube mobile app? (1 for what you do least, 5 being the most)

	1	2	3	4	5
Search to watch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
watch frm home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Go to TRENDING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Go to Subscript...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Go to Library	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Upload somethi...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

On a scale of 1 to 5, what do you most likely do first when you open the YouTube mobile app? (1 for what you do least, 5 being the most)



Users responded as follows —

Search: **4.2**

Subscription: **3.00**

Home: **2.85**

Library: **2.3**

Trending: **2.15**

Activity: **2.1**

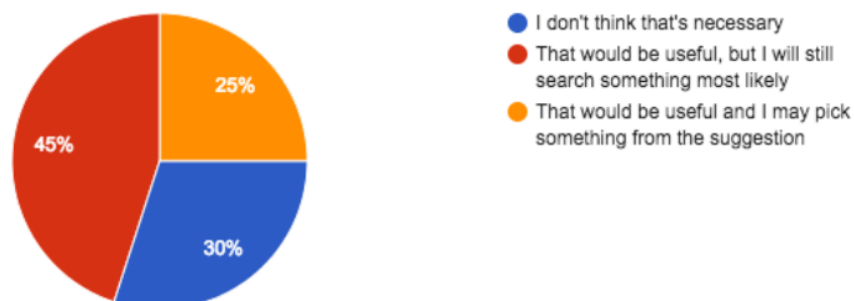
Upload: **1.35**

Many users start by Search option.

8. How would you react if YouTube showed visual video suggestions on the search page based on your browsing habit?

How would you react if YouTube showed visual video suggestions on the SEARCH page based on your browsing habit?

20 responses



Many users responded affirmative but with some restrictions as they are most likely to search it own their own.

9. Mention the problems you face with YouTube.

Mention up to 3 problems you faced, or features you disliked on Youtube app. Tell us why.

20 responses

To be honest, I have never had any problem with the application. However, I have never tried to upload something, but actually, I think if I had a problem, it would be because of my phone :D

Scrolling to comments takes forever, lag on when videos show up in subscriptions, auto rotate not always functional

Subscriptions sometimes doesn't show up on the feed, there are times that it automatically enables notifications when I don't want them, and... (I can't think of a third one. Sorry.)

You cannot watch a video while you are using other apps

When you block the phone youtube stops working!

Full screen (often difficult to manage on my small mobile screen), Playlist (it disappears every time I reset my phone), Algorithm of suggestions (it suggests exactly the same videos if I turn on the auto play list)

It's not as easy to see the suggested videos based off of the current one I'm using

Sharing videos on youtube feed, Story option of youtube

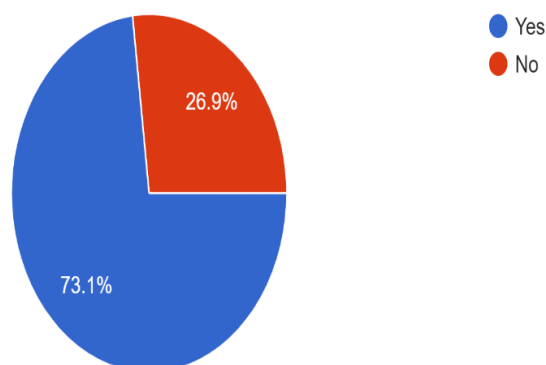
Too many ads, the ad is forced to be long, seeing the same ad frequently, because the ads delay my time to watch my video

I hate not being able to listen to music while using other apps

10. Do you like the recently introduced shorts feature?

Do you like the recently introduced shorts feature?

52 responses

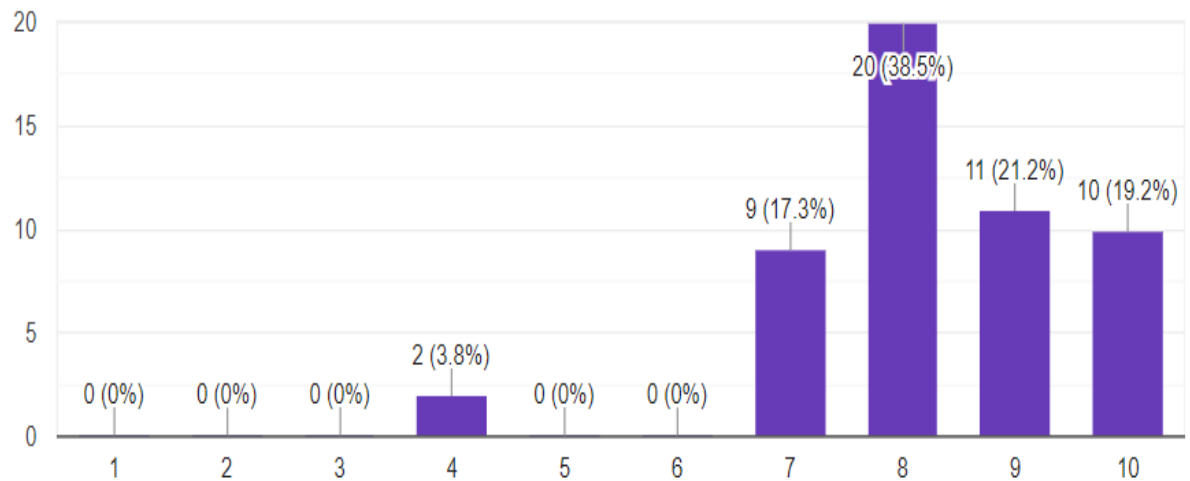


Majority Users like this feature along with the Live videos it is a great source of entertainment.

11. On the scale from 1 to 10, how will you rate YouTube?

On the scale from 1 to 10, how will you rate youtube

52 responses



According to the survey 38.5% of people had given the rating of 8 which means this application fulfills people needs to every extent, still improvement needs to be done to meet future requirements.

According to the responses received the Areas where we can work:





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J Component REVIEW-2

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REVIEW-2 (Requirement Gathering & Prototype Design)

REQUIREMENTS GATHERING:

Requirements gathering is one of the most essential parts of any project and adds value to a project on multiple levels. When it comes to smaller budgets, tighter timelines and limited scopes, exact documentation of all the project requirements become crucial.

Requirements gathering is easier said than done, it is generally an area that is given far less attention than it needs. Many projects start with basic lists of requirements only to find out down the line that many of the customers' needs may not have been fully understood and implemented.

Statistics show that over 70% of failed projects are a result of a lack of effective requirements gathering. So, below we'll delve into what exactly is involved in requirements gathering, why it's important, and provide requirements gathering template.

FUNCTIONAL REQUIREMENTS:

In software engineering and systems engineering, a functional requirement defines a function of a system or its component, where a function is described as a specification of behavior between outputs and inputs.

▪ Login

Use Case: Login

Primary Actor: Admin or User

Goal in Context: Accessing to YouTube account

Scenario:

1. The system prompts the user for their username and password.
2. The admin enters username and password.
3. The system gets password registered to the user name.
4. The system verifies the password and sets the admin's authorization.
5. The admin is given access to the system to perform their job

▪ YouTube Channel

Use Case: Create YouTube Channel

Primary Actor: Admin

Goal in Context: Create a YouTube channel to upload videos

Scenario:

1. If the admin wants to upload videos to YouTube website, then he must create a YouTube channel first.
2. Admin must have an email address to create a YouTube channel.
3. Admin must be able to go to his channel from any page by clicking on the profile icon.
4. A profile icon must be displayed at the corner on each page.
5. All of the videos must be displayed on the admin's YouTube Channel.
6. The admin must have a subscribe button on their YouTube channel which has a counter. It increments by one every time a user clicks on it and decrements if the same user clicks on it again. Users must be able to subscribe to any channel by clicking on the subscribe button.
7. Every time the user clicks on the profile icon, the system must take them to the admin's YouTube channel.
8. A subscribe button must be displayed below every video of the admin.

▪ **Uploading**

Use Case: Uploading

Primary Actor: Admin

Goal in Context: Uploading videos on YouTube

Scenario:

1. The system shall have an upload button for videos.
2. The system can upload videos from the system.
3. Video format of the videos must be MOV, MP4 (MPEG4), AVI, WMV, FLV, 3GP, MPEGPS or WebM.
4. Standard YouTube accounts must have videos of length under 15 min.
5. Users connected with YouTube partnership program can upload videos of any size and length.
6. The admin must have a youtube channel created on their account in order to upload videos.

▪ **Category**

Use Case: Choose Category

Primary Actor: Admin

Goal in Context: Choosing which category the uploaded video belongs to.

Scenario:

1. After Uploading, in the settings admin can choose a category of the uploaded video from Auto & Vehicles, Beauty & Fashion, Comedy, Education, Entertainment, Family Entertainment and people and blogs.
2. The default category of YouTube is People and blogs. Admin must also be able to change the default category of YouTube.
3. The category of the video must be displayed in the video description when the video will be watched by viewers.

▪ **Date, time and location**

Use Case: Choose Date, Time and Location.

Primary Actor: Admin

Goal in Context: Admin chooses date, time and location of the video.

Scenario:

1. In the uploaded video settings, admin must have the option to select date, time and location of the video.
2. The default date, time and location of the video will be set to none.
3. Admin must have the option to change the date and location of the video whenever he wants but the date of publishing the video must not be changed and will displayed in the video description.

▪ **Language and License**

Use Case: Choose language and license.

Primary Actor: Admin

Goal in Context: Admin selects language and license.

Scenario:

1. In the uploaded video settings, admin must have the option to choose the language and license of the video.
2. The default license of the video will be set to standard. The default value of language is set to none. Admin must be able to change the default value.
3. Admin must have the option to change the language and license of the video whenever he wants.
4. Admin can choose license from two options, first is creative commons and second is standard license.

▪ **Monetization**

Use Case: Monetization

Primary Actor: Admin

Goal in Context: Enable or disable monetization

Scenario:

- 1.If the admin has a standard youtube channel, then he must not have monetization enabled on their video.
2. If the admin has YouTube Partner verified channel, then he must have the option to enable or disable monetization.

▪ **Verification**

Use Case: Verify YouTube Channel

Primary Actor: Admin

Goal in Context: To verify YouTube channel of the admin.

Scenario:

- 1.If the admin has a YouTube channel, he must have the option to verify their YouTube channel.
2. On clicking the verify button, the admin must be prompted to enter their phone number. In the next step, the admin must have the option to verify phone number either through SMS or phone call.
3. When the admin will choose SMS, a verification code must be sent to the admin's entered phone no. The admin must be prompted to enter the verification code sent to their phone. The system must match the verification code entered by the admin to the one sent to the phone number. If both match, the admin's YouTube channel must be verified. Else the admin must be prompted to enter phone number again.
4. If the admin chooses phone call, an automated phone call must be made to admin asking him to enter the verification code.
5. A verified YouTube channel must be able:
 - To upload videos longer than 15 min of any size and length.
 - To have the option to upload custom made picture as the thumbnail of their videos.
 - To apply for YouTube partner Program in order to enable monetization on their YouTube videos.
 - To live stream on their YouTube Channel.
6. An unverified YouTube channel must not be allowed to upload videos longer than 15 min.

They must not be allowed to apply for YouTube partner program. They must not have the option to upload custom thumbnails to their videos.

▪ **Video Title and Description**

Use Case: Video title and description of the video

Primary Actor: Admin and User

Goal in Context: User and admin role on Video title and description of the video

Scenario:

1. The title of the video must be less or equal to 100 characters.
2. The description of the video must be less or equal to 5000 characters.
3. Admin must be given the option to edit video title and description any of his videos on the channel.
4. User must be able to see the title and description of every video below the video itself.
5. The title of the video must not contain any URL links. The description of the video can contain external links.

▪ **Subscription and Playlist**

Use Case: Subscribe button and Playlist.

Primary Actor: Admin and User

Goal in Context: User and admin role on Subscription and Playlist.

Scenario:

1. The admin must have subscribe button on their YouTube channel which has a counter. It increments by one every time a user clicks on it and decrements if the same user clicks on it again. Users must be able to subscribe to any channel by clicking on the subscribe button.
2. Subscribe button must be displayed below every video of the admin.
3. Add to playlist button must be present on the right side of share button just below the video. The user must be able to save any video to the playlists he creates on his channel. The user must also have the option to create a new playlist from the add to playlist button. The new playlist created must be saved on his YouTube channel.
4. The admin must have the option to create playlists on their channel and put videos in them accordingly.
5. Liked Videos playlist must contain every video the user has liked by clicking the like button.

6. Every playlist must be present in the YouTube channel of the user. The user must be able to delete or edit the playlist any time.
7. The admin must have the option to make their playlist private or public.
8. In public playlists, every user coming to admin's channel must be able to see it. Private playlists must be only be seen by the admin.

▪ **Like, Dislike, Share and Add to Playlist:**

Use Case: Like, Dislike, Share and Add to playlist button.

Primary Actor: User

Goal in Context: User role on Like, Dislike, Share and Add to playlist button below the video.

Scenario:

1. Every video must have a Like, Dislike, Share and Add to playlist button below the video.
2. The like button must increment by 1 every time a user clicks on it. The counter must be displayed just below the Like button. The like button must decrement by 1 if the same user clicks on it again.
3. The dislike button must increment by 1 every time a user clicks on it. The counter must be displayed just below the dislike button and just on the right side of the Like button. The dislike button must decrement by 1 if the same user clicks on it again.
4. A share button must be present on the right side of dislike button. When the user clicks on the share button, the system must display all social media sharing platforms. The user must be able to share the video on any one of the platforms.
5. Users connected with YouTube partnership program can upload videos of any size and length.
6. The admin must have a YouTube channel created on their account in order to upload videos.
7. Add to playlist button must be present on the right side of share button just below the video.

The user must be able to save any video to the playlists he creates on his channel. The user must also have the option to create a new playlist from the add to playlist button. The new playlist created must be saved on his YouTube channel.

▪ **Comment section**

Use Case: Comments on video

Primary Actor: User

Goal in Context: Leaving comments on video

Scenario:

1. Every video must have a comment box below the video.
2. Every user can comment on the video by going to the comment box and clicking on the comment button.
3. Every comment must have like and reply button beneath it. Every user can reply to each other's comments and like them. The like counter will increment or decrement by 1 based on the user response.
4. The video owner must have the option to remove any comment from their videos. Admin must also have the option to hide any user from their channel so the users comments won't be visible to other users and admin.
5. The admin must also have the option to choose which words they don't want in the comments section. The system must be able to detect these words and block the comments containing them.

▪ **Notifications**

Use Case: Notifications

Primary Actor: User and System

Goal in Context: Notifications in the system

Scenario:

1. The user must receive notifications for new videos from their subscriptions, if someone likes their comment or replies to it, when someone has made a comment to their YouTube Video.
2. User must have the option to disable or enable notifications from the system.
3. The user must receive notifications through the email and their account.
4. There must be a notifications button in their account which allows to see all their notifications.
5. If the user clicks on the notification, the system must open the particular video.

▪ **Home, Trending and Suggested Videos**

Use Case: Home, Trending and Suggested videos

Primary Actor: User

Goal in Context: How should the Home, Trending and Suggested videos tab should be used

Scenario:

1. The system must always open the home page first when the user opens the system. The home page must contain videos based on the watch and search history of the user. The algorithm of the system must be developed in such a way that the home page must contain videos that the user is interested in based on the web history of the User.
2. The user must have a trending button on the homepage. When the user goes to the trending tab, most popular videos in the user's country must be displayed from top to bottom. The users must also have the option to change country location. When the country is changed, trending tab must also change to display videos trending in the changed country.
3. When the user is watching a particular video, suggested videos must be displayed below the video user is watching. The Suggested videos must be selected by the algorithm of the system which shows those videos that user is interested in based on their web history.

▪ Views and Analytics

Use Case: Views and Analytics

Primary Actor: User and admin

Goal in Context: Views and analytics of the video

Scenario:

1. Every video must display the number of times the video has been viewed below the video.
2. The user must watch the video for at least 3 sec to count it as a view.
3. The admin or owner of a YouTube Channel must have access to channel analytics which must contain information on views, subscribers, watch time, copyright, geography and audience.
4. Admin must have the option to see the analytics of any of their videos.
5. Admin must be able to download their own videos.
6. Admin must be able to see the analytics of their channel since the origin of the channel or lifetime.
7. Admin must have the option to choose any time period for which they want to see the analytics.
8. Analytics tab must also display the information of copyright. The copyright button must display the number of copyrights on the admin's channel.
9. The channel must be deleted if the 3 copyrights are issued within 3 months. Each copyright

must be removed after 3 months.

NON-FUNCTIONAL REQUIREMENTS:

In systems engineering and requirements engineering, a non-functional requirement (NFR) is a requirement that specifies criteria that can be used to judge the operation of a system, rather than specific behaviors. They are contrasted with functional requirements that define specific behavior or functions.

1) Availability:

- a) The service should be available all the time.
- b) The website and the application should be responsive to the client all the time.
- c) Anything searched by the client must be found.
- d) Every video must have a unique identification through it could be searched and easily found.
- e) Related searches must be shown.

2) Adaptability:

- a) The finished application and the server must allow new server to login.
- b) The software must be flexible.
- c) The software must be adaptive.
- d) The data can only be changed by the account holder.

3) Aesthetics:

- a) The text must of a suitable color which could be visible and easy to read.
- b) The application and the website must a light and a dark theme. Which could be chosen by the user on their free will.
- c) It must have a presentable look.

4) Compatibility:

- a) The website should be compatible with all the browsers such as google, Mozilla, Opera and etc.
- b) The application must be able to run on both android and apple products.

5) Consistency:

- a) The website must be consistent.
- b) The website must perform accurately every time its accessed.
- c) The application must be responsive all the time and should never lag the device.
- d) The website must accommodate all the active users and should be responsive to every user.

6) Understandability:

- a) A novice user must be able to understand the format.
- b) The user must able to adapt and change the UI to its personal requirements.

7) Extensibility:

- a) The user must be able to upload .mp4 and .mp3 files all the time
- b) No restriction on the size of the file.

8) Frequency:

- a) The system will not crash no more than once per 100000 searches.
- b) The incorrect user input must be handled with a message to inform about the error.

9) Human factors:

- a) The UI must be user-friendly.
- b) The UI must be intuitive.
- c) All menus must have consistent format.

10) Install ability:

- a) The application should be easy to install.
- b) It should be available to install on both android and apple products
- c) There should not be a further requirement to install to run the application.

11) Localizability:

- a) The application and the website must be available in every language.
- b) All user interface components must be able to use locale of the system and if not available it must use US English.
- c) The UI language should be changed according the users desires.
- d) The search should be able to convert different languages without using any external

software.

12) Maintainability:

- a) A software developer with a year of experience must be able to correct any known defect.
- b) The maintenance group must be able to maintain the website and the application.

13) Predictability:

- a) The website and application should never crash.
- b) The system must produce predictable results.

14) Recoverability:

- a) During a system restart the system should return to its working state.
- b) There should be no lost data on system restart.
- c) If there is the data must be recoverable by the user.

15) Reliability:

- a) The system will be available 100% of the time.
- b) The system should never crash.
- c) Back up servers must be available all the time.

16) Response Time:

- a) Query response time must be fast.
- b) All queries must return a response in <2 seconds.

17) Reusability:

- a) Only the account holder can change its upload.
- b) The security must be upgradeable.

18) Security:

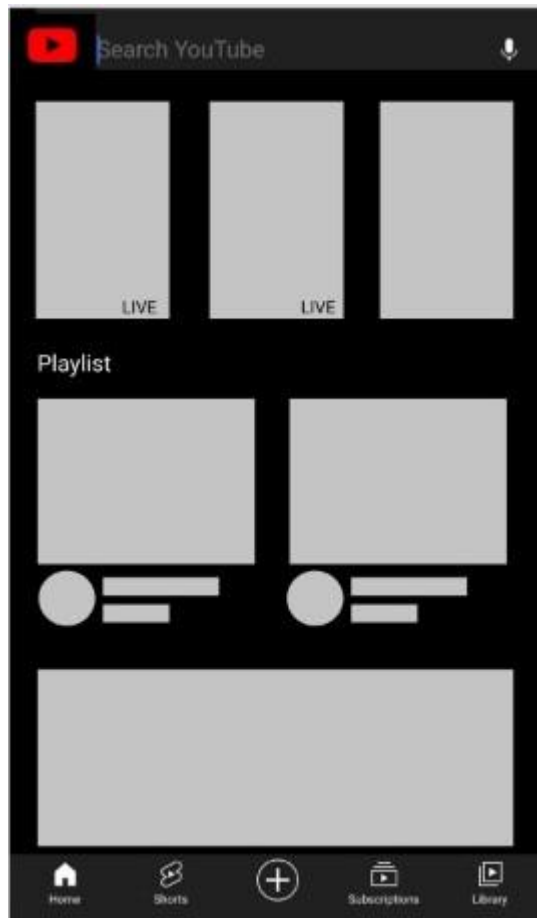
- a) No one other than the user should be allowed to change their uploads.
- b) The accounts must have unique passwords and id for every user.
- c) No other user should use the content of any other user.
- d) Copy rights should be set.

19) Quality:

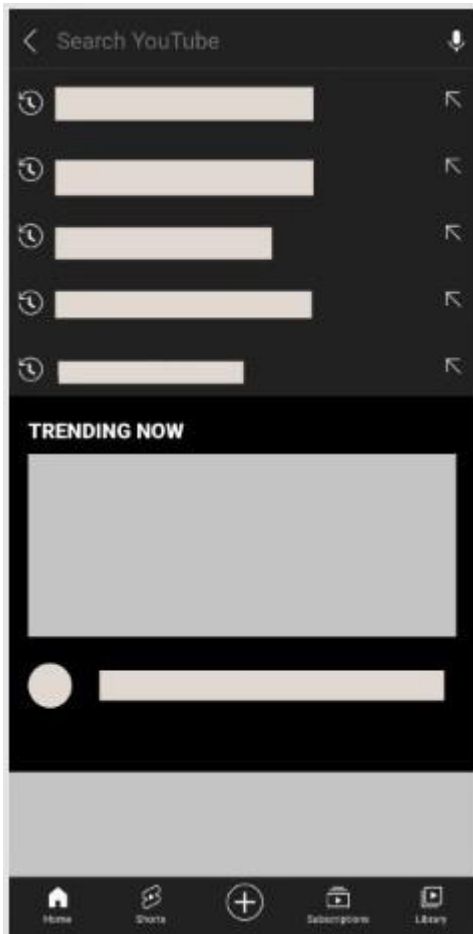
- a) The software must ensure the quality of the video which is being uploaded to be in 480p or above.
- b) The user must get the desired video quality.

🚦 PROTOTYPE DESIGN:

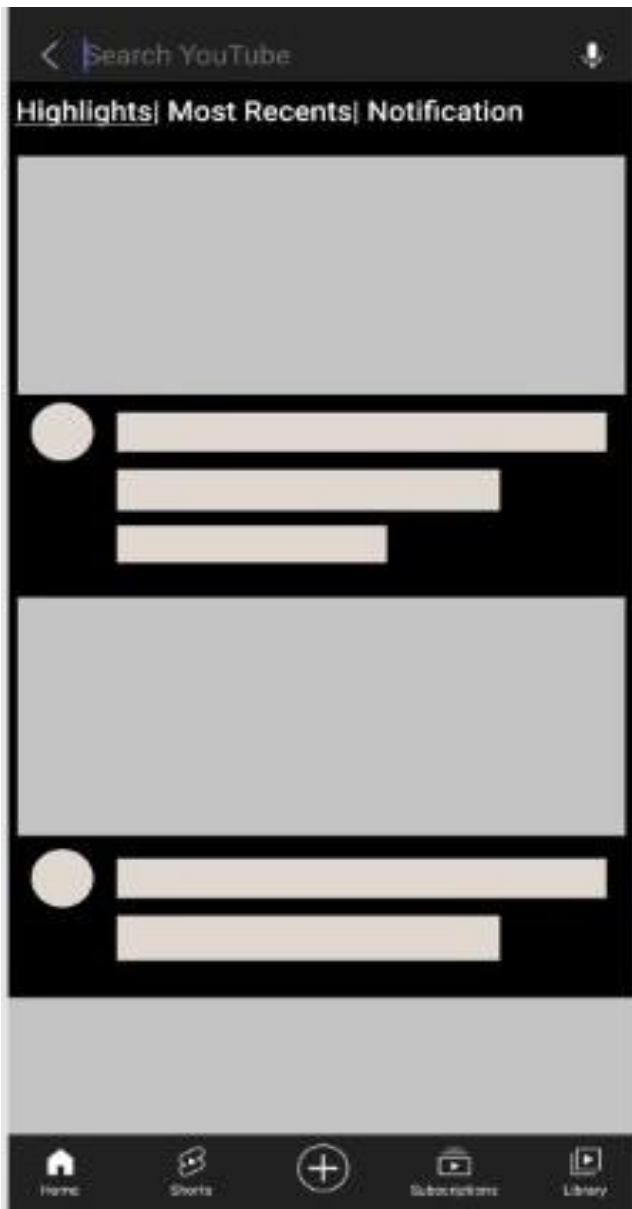
1. HOME PAGE:



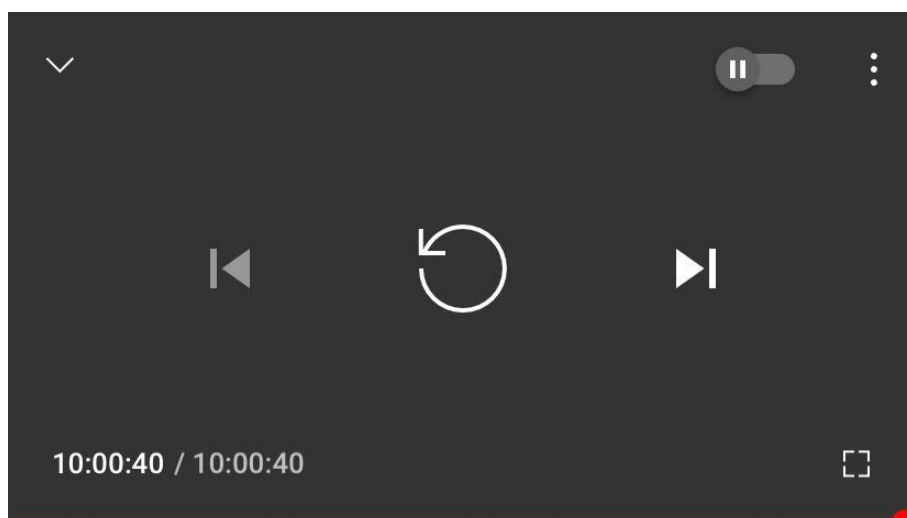
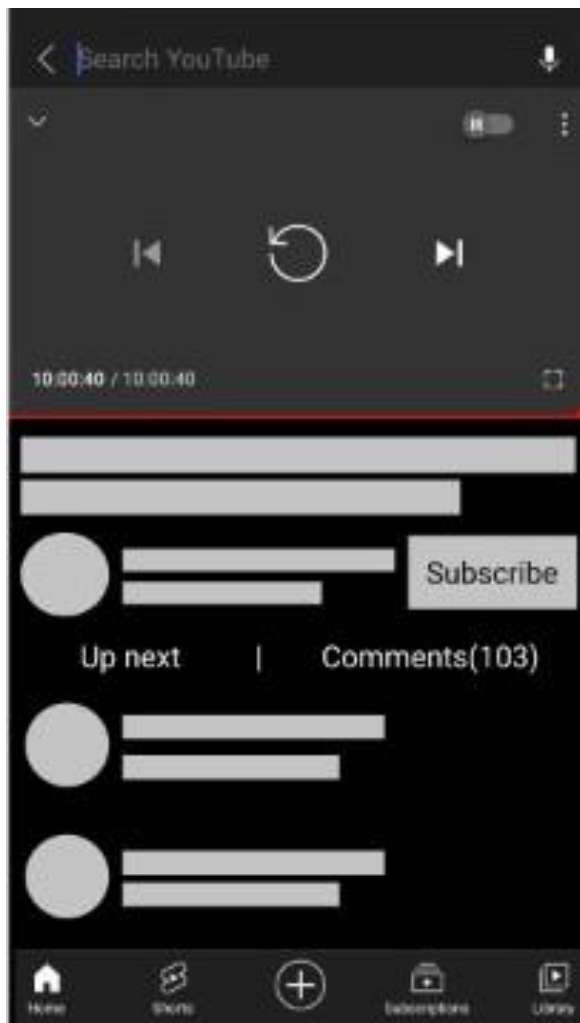
2. SEARCH:



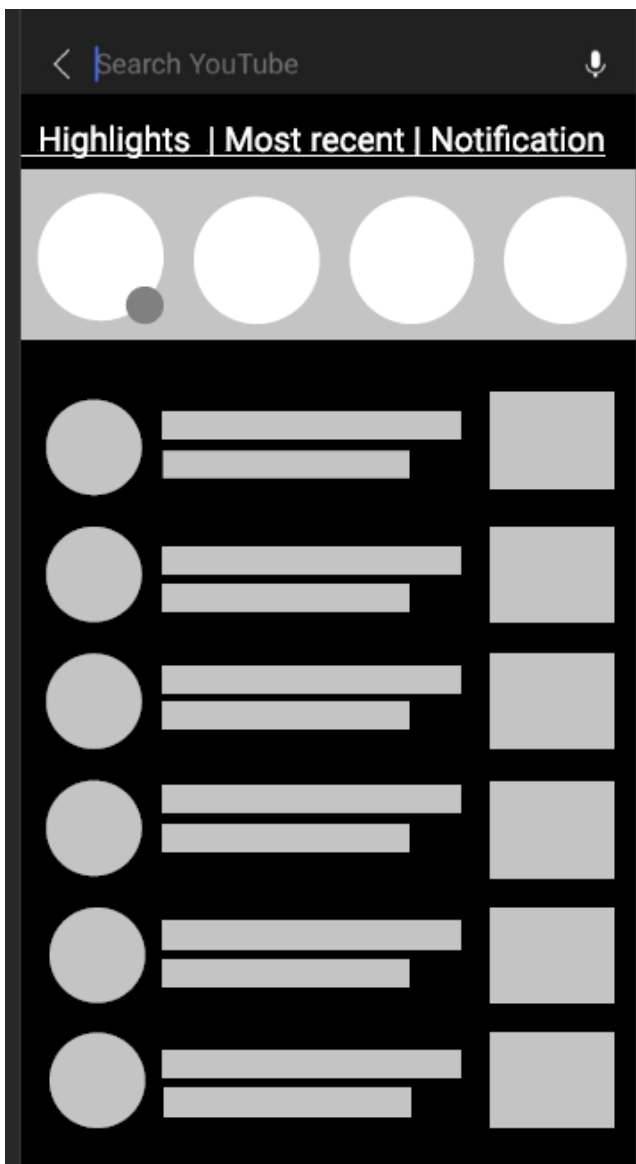
3. SUBSCRIPTIONS:



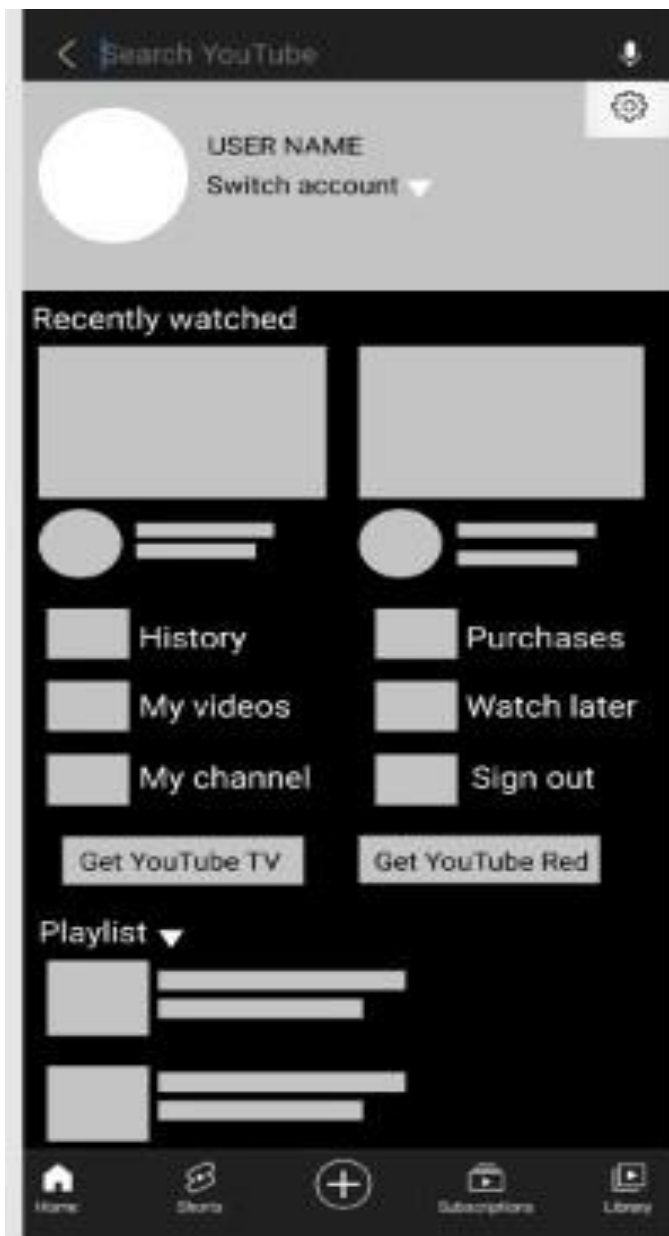
4. Video:



5. Notifications:



6. Account and Settings:





J Component REVIEW-3

on

YOUTUBE

to be submitted in partial fulfilling of the requirements for the course on

Human Computer Interaction – SWE1018 (B1)

By

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EVALUATION

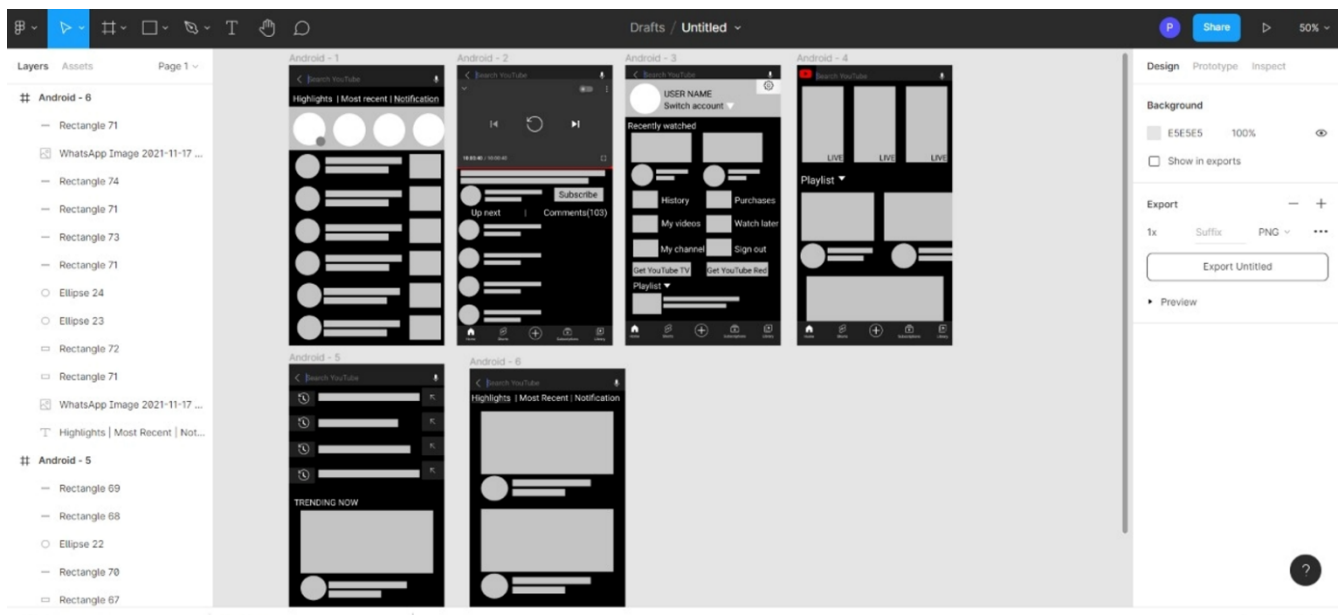
DESCRIPTION:

YouTube is the second most popular Search Engine in the world, And the biggest video website with 1,000,000,000 Estimated Unique Monthly Visitors. We took a big challenge to do a research and find the redesign points in YouTube. It has features such as live streaming, short videos, video sharing and creation. Consumers are increasingly using live video streaming app to interact with friends, family and followers.

PROJECT DETAILS:

- ☐ **APPLICATION TITLE:** YouTube
- ☐ **TOOL CHOSEN:** FIGMA TOOL
- ☐ **MOBILE INTERFACE MODEL:** ANDROID/iOS
- ☐ **APPLICATION USAGE:** WORK ACTIVITIES AND DAILY ACTIVITIES.
- ☐ **APP CATEGORY:** SOCIAL VIDEO SEARCH ENGINE

Working in Figma



DRAWBACKS RECOVERED:

Intercepts & Interviews

Through our intercepts and interviews, We learned about users' habits and pain-points of using YouTube. Some of the pain points interviewees identified were:

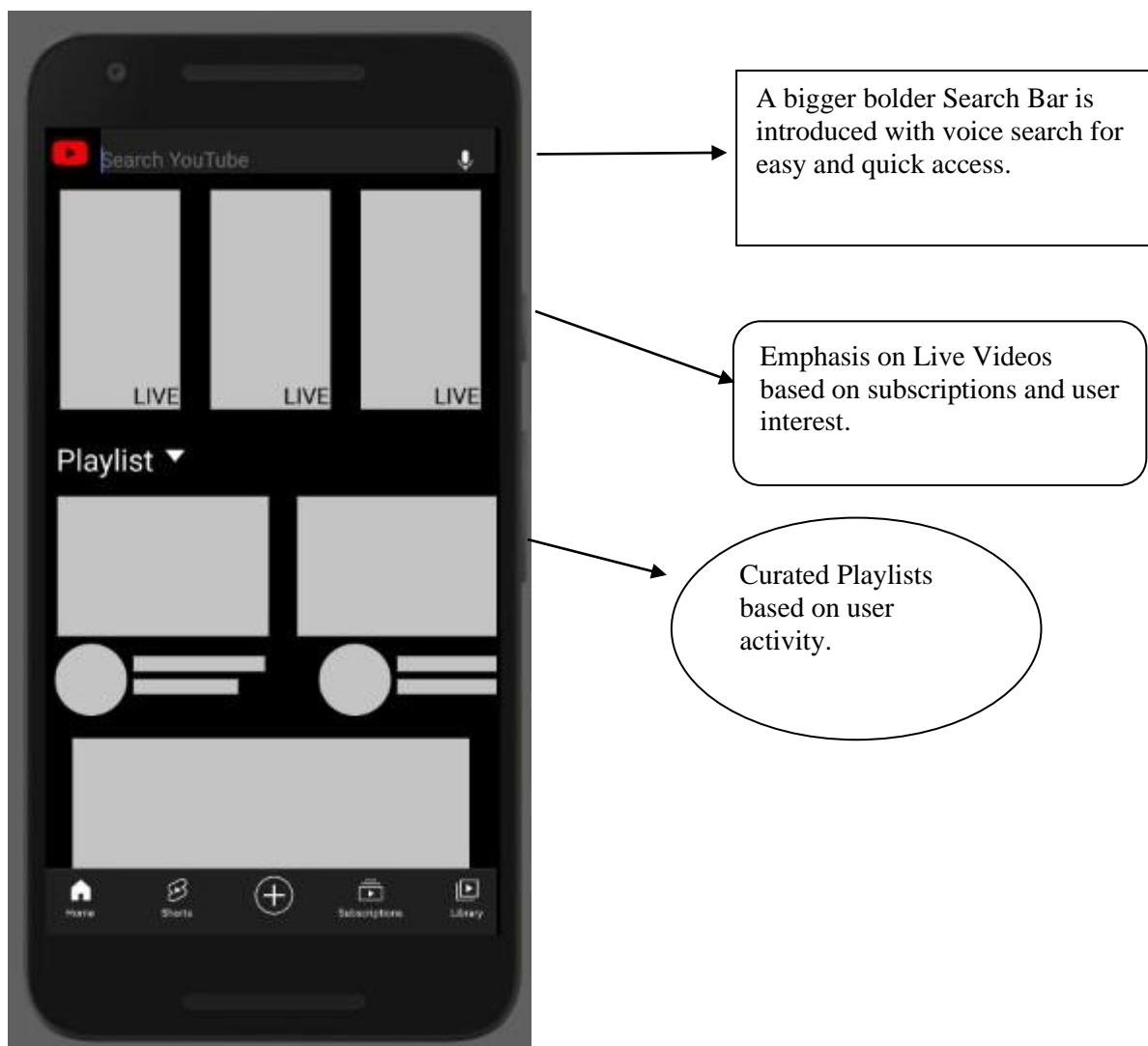
1. Advertisements
2. Video suggestion changes if a user goes back
3. Can't find the watch history
4. Lack of playback control on videos (repeat play, rewind, etc.)
5. Problem scrolling "up next" videos and comments

Survey

A survey was conducted to gather more information on users' pain points with the current app and how they browse around the app.

Redesigning:

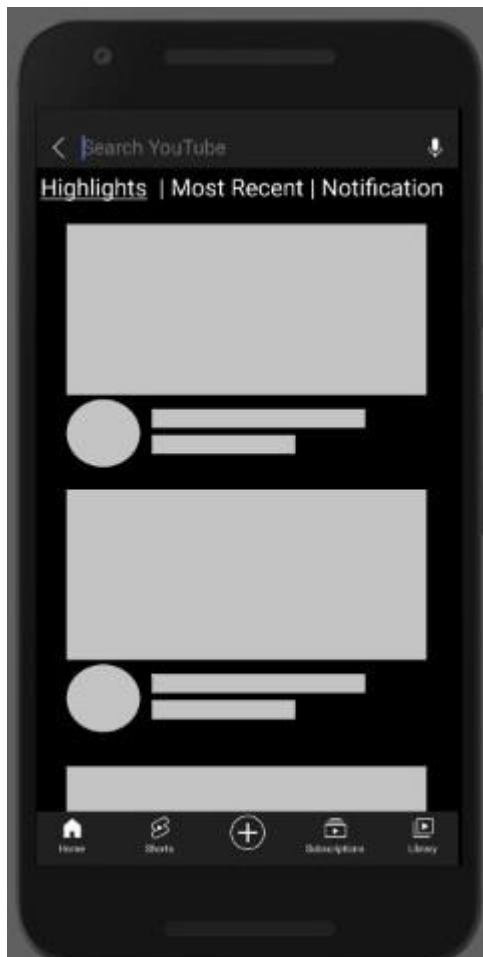
1) Home Page:



Key Changes:

1. YouTube is the second largest search engine in the world. Research suggests 82% of the users start browsing YouTube with a search. Hence a bigger bolder search bar is introduced in the header that is available.
2. Researchers show that live video trend is on the rise. Hence a prominent placement of the live video on the homepage which is horizontally scrollable.
3. simplified the navigation based on user feedback. Kept only those which users use most often and renamed and merged a few for better understanding.
4. The overall look of the UI is kept very similar to the existing one for brand consistency. However, subtle rounded corners are introduced.

2. Subscriptions:



Improved Navigation in Subscriptions section With more control.

Key Changes:

- Tabbed navigation is introduced in place of a drop-down menu. The navigation sticks to

the top to make it easy for the user to see and browse through all the filter options.

3. Search:

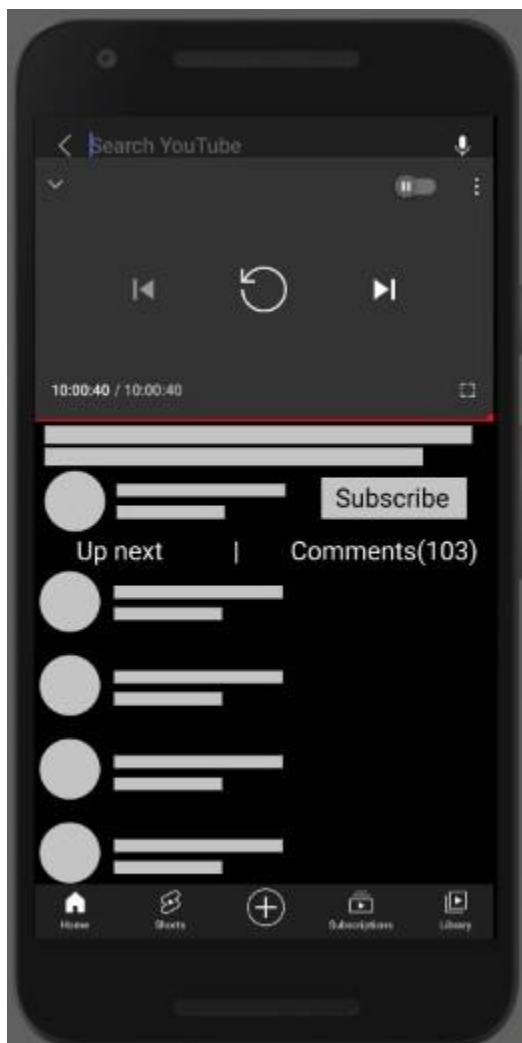


Trending Now introduced in Search Page so that users can discover something New.

Key Changes:

Current search page offers nothing to discover to the users though it is the most preferred entry point for the users. However, along with other video suggestions, trending video suggestions can be added on the search page since users are already in a discovering mindset at this stage and more likely to be receptive to suggestions that may not fit their regular interests. According to survey, 70% of the users agreed that video suggestions on the search page would be useful to them.

4. Video:



Status bar of mobile removed for better viewing and more video control for forwarding pausing and rewinding.

Subscribe button made prominent for benefit of creators.

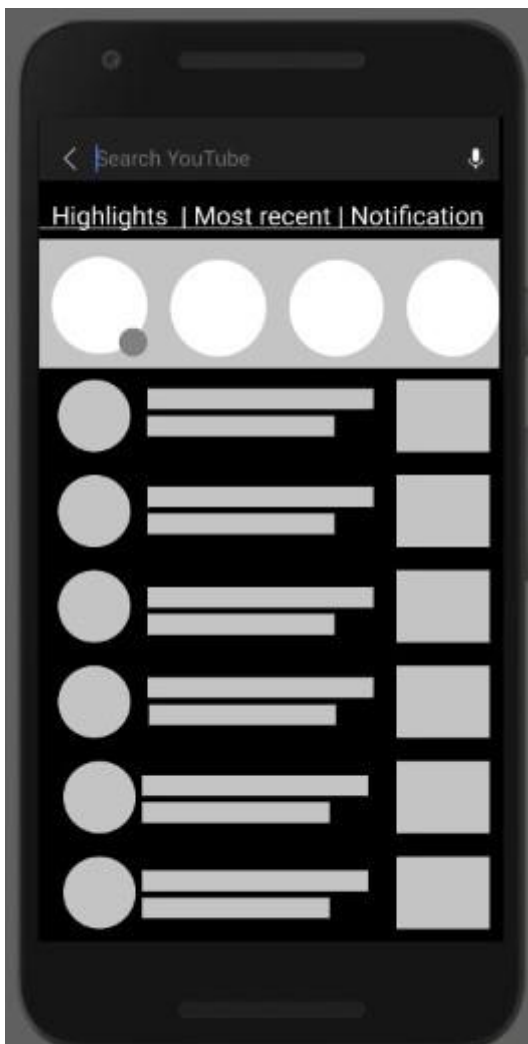
Tabbed navigation in Up Next and Comments for easy access to comments and next video recommendation.

Key Changes:

- Mobile's status bar removed for extra real-estate.
- Subscribe button made more prominent which is also visually similar to the desktop version.

- Engagement made easy with tabbed navigation to switch between “up next” and “comments”. Immediate visibility of the comment section and the sticky comment box will encourage users to participate.
- Interaction with the content made easy and always available by placing them on a sticky footer. Dislike option is removed, both for the video and the comment, to help maintain a positive vibe in the community. However, a prominent report button is added to the video, which was previously hidden, to combat harmful content and empower users.
- New options added for video control. Current app has a double tap gesture for forwarding or rewinding by 10 seconds, but We found many users are not aware of that as it has no signifier. So, two additional control buttons added to forward or rewind the video. A repeat play button is also added because We found users want that. Repeat play or loop is available on the desktop version of YouTube but that is actually hidden. On mobile, We didn’t find any way to play a video on loop.

5. Notifications:

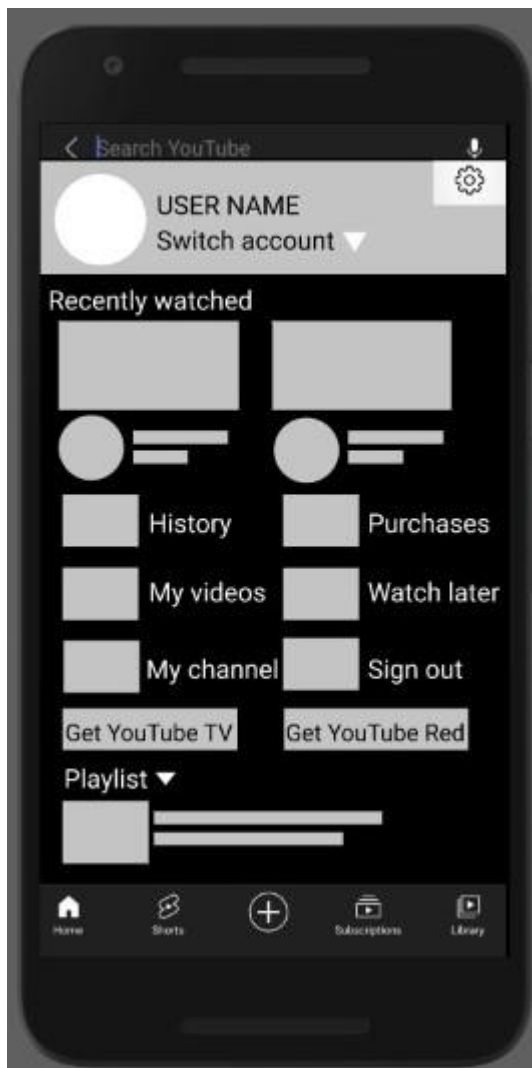


Notification access given just below the search bar in the subscriptions section for easy access and user control.

Key Changes:

- Notification is moved under Subscription. Originally it was under Activity section. The notification is full of updates from the subscribed pages, so it only feels relatable under the Subscription section. Users could never find notifications in the existing app, but they will be able to find it in the proposed design.

6. Account and settings:



More User Control in Library Section with all account Settings and Watch history, purchases and watch later sections combined under one place.

Key Changes:

In the current app, “activity” and “library” seem to be confusing to many users. There is also an “account” section. When asked to find watch history, many people tried to find it under “account”, some tried “activity”. We merged existing “account” and “library” under one umbrella “library”.

TOOL ADVANTAGES:

- ☐ Interface is very clean.
- ☐ Filling UI with content is very simple.
- ☐ Repeat grid feature is amazing.
- ☐ It has much less functionality but just enough to design the required app.

TOOL DISADVANTAGES:

- No copy style button.
- No border control.
- Layer’s do not have blend option.
- Unable to create shapes other than a circle or square.

CONCLUSION:

The overall conclusion is that the better design gives the better user experience. The design part is main thing which may evaluate the whole application, where the appearance also plays the key role which attracts or distracts the user to use the application. Finally, we have redesigned the YouTube application such that it has been modified totally based on the user needs such as library, search page, notifications, shorts, subscriptions etc. and also, we have included different haptic movements by which the users feel comfortable.

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