

CS-360-J7037 Mobile Architect & Programming
Module 2-2 Assignment: User Components and Data
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1. Discuss the features of the mobile app. After you have chosen a mobile app to analyze, briefly identify the app and explain its purpose. Then address each of the following:

- **Describe the app's screens and features.**
- **List the major UI components on each screen.**
- **Identify where data is included in the app.**

I have been exploring different mobile apps, and the one I have selected, which I use often, is the YouTube app. The app works on both desktop and mobile devices but based on my experience, it works better when using it on your mobile device. The app works on Android and iOS platforms and has an excellent screen feature. With the various screen interfaces, users can explore the data content uploaded by other users through the app. Users can watch videos from YouTube without even having an account, but if you want to explore more features on the app, you need to create a Google account and use it to create a YouTube channel to enjoy those features better.

When you open the app, it takes the user to the home screen, which contains different videos, the YouTube logo at the top left corner, a notification button, a search button, and a user account profile, all at the top of the screen. Each video contains mute and subtitle buttons that users can turn on and off. If you find a video you are interested in and want to watch, you can unmute the mute button and start watching the video without even clicking on the video itself.

Users can also tap on the video to start playing. While the user is on the playing section of the screen, there is a button that you can tap to enlarge the video to a full screen. Users can forward or backward the video as the video plays by double-tapping the video screen. One double click to

the right of the screen will forward the video by 10 seconds, while one double tapping to the left will backward the video by 10 seconds. Multiple quick taps will forward or backward the video, increasing or decreasing the time. There is left and right arrows you users can click to switch to new video and watch.

Users can read other users' comments and are also able to write their comments in the comments sections. The actual channel owners can see all the comments, read them, and delete any inappropriate comments. The app allows users to subscribe to other users' channels and turn on the notification buttons so that any time the creator upload a content, the user is notified. The search button will enable users to search for videos they want to watch by entering the name of the video or even the channel name. When you open the app, and you go down to the home screen, there is a home button where all videos are displayed, a 'short' button that contains 'short' videos other users have uploaded, a button with a plus in a circle (+) which users tap on to create short videos, upload videos, go live, and create a post. It also has a subscription button containing all the channels the users have subscribed to. The library also displays all the videos the user has played, letting users explore content and organize their playlists. Users can refresh the home videos on the home screen by using any of their fingers to rub down the screen.



All

SVTV Afr... Magrahe... Smart G... Oman Ch... Shugatiti

All

Today

Live

Continue watching

Unwatched



HEART AFFAIRS; Latest Nollywood Movie
starring (Splendid TV) (Splendid Cartoon)

Splendid TV · 19 watching

21:17



History

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HEART AFFAIRS;
Latest Nollywood...
Splendid TV



PREZ AKUFFO
ADDO HIT HARD ...
SOLID TV



Oliver Khan
ship dealer
OLIVER KHA



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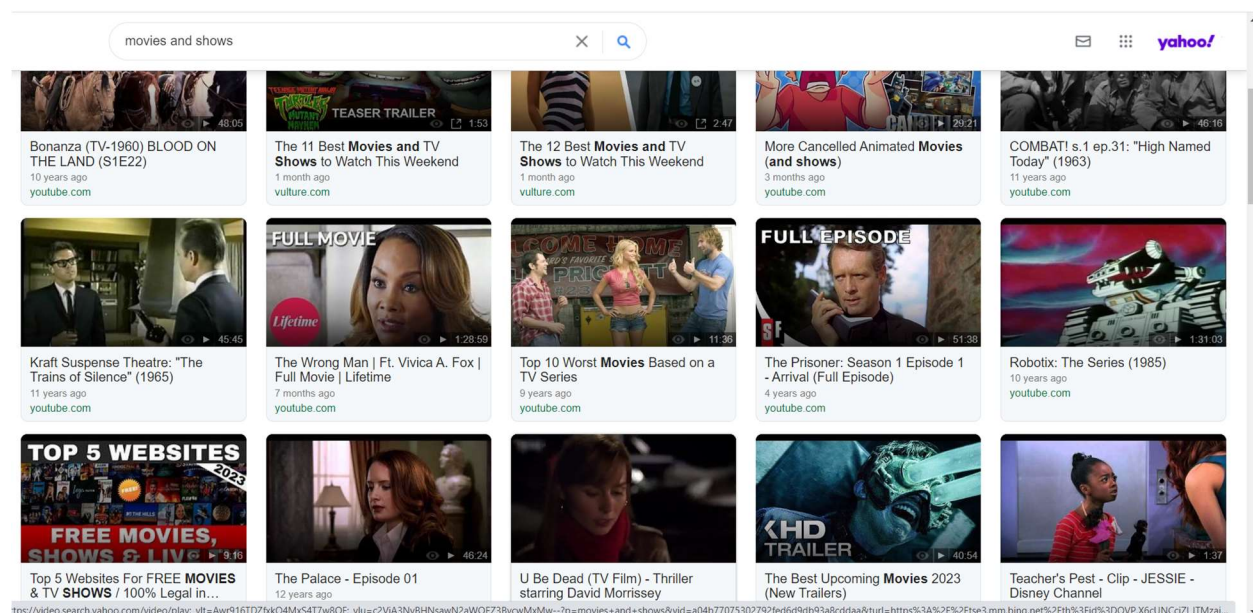


Library



Discuss the possible data sources of the mobile app. Determine what data each component of the app either displays or accepts as input. Then, think about where the data might come from. Note that sometimes it may come from external sources, and sometimes from users.

YouTube uses data API to provide different data types, such as channel names, titles, thumbnails, and descriptions. It also provides video data and playlist information such as views, subscribers, comments, search results, watch duration, views, and likes. All the data available in the YouTube mobile app comes from content that the user and other user's post. Users produce content like videos and shorts, share it online, and then post it to their YouTube channel using the website or the mobile app on their devices. Users can purchase a monthly premium subscription, which is ad-free and has more benefits compared and features the free one. When users upload contents like videos on YouTube via their mobile devices, they or other user can also access the same content on the website online through a desktop. The external data sources can come from different platforms and websites that direct other viewers to your YouTube channel.

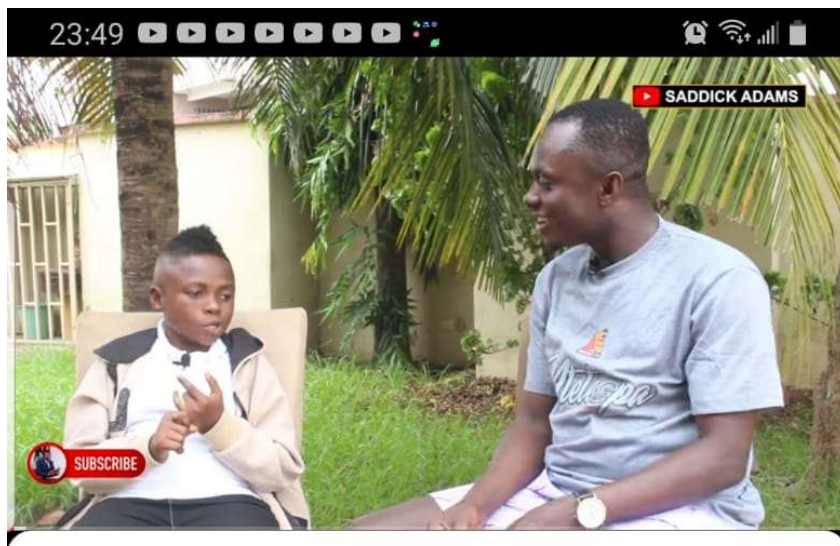


Explain how the data that users interact with helps them meet their goals. Begin by identifying what kinds of data users are interacting with in the app. Then, discuss how that

data helps users meet a need. Think about how that data is being displayed and why that would be beneficial for a user.

The primary purpose of the YouTube mobile app is to amuse users and feed them with relevant information and events. The app allows users to interact in a variety of ways with both other users and the data that has been published or uploaded to the app or website. Users can select the 'like' and 'dislike' buttons to express their interest and feelings to the content creator when they open the app and watch videos. Since the content uploaded is in the public domain and accessible to other users, it is helpful for these content creators to see what kind of content users enjoy and find objectionable.

Users can distribute videos via various communication channels to other YouTube users by clicking the Share button. Sharing the video to other platforms like Facebook, Instagram, and WhatsApp will help other users to access the content. When users continuously watch videos from a particular channel, YouTube uses such data to determine what the users like. The subscribe button shows the number of people who have subscribed to the channel, and the view button also helps users see the number of viewers of the particular video. The YouTube mobile app lets users leave comments at the bottom of videos to express their opinions and engage in amusing conversations with other users. The creator can also view, edit, or turn off the comments.



Description



Yaw Dabo Talks Black Stars Players Issues With Inaki Williams And His New Sports Complex Project

107

Likes

2,657

Views

Sep 9

2023

#blackstars

#yawdabo

Yaw Dabo Talks Black Stars Players Issues With Inaki Williams And His New Sports Complex Project

[#blackstars](#) [#yawdabo](#)

References:

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<https://search.yahoo.com/search?fr=mcafee&type=E211US1451G0&p=YouTube>

YouTube. (2023, September 9). *Yaw Dabo talks black stars players issues with Inaki Williams and his new sports complex project*. YouTube.

<https://www.youtube.com/watch?v=wUYxZvi8MPE>