

Youth App: A Short Video Application

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Abstract- In the past few years, the craze for short video apps has reached another level. Everyone from child to the old person is watching and enjoying the short video apps. People got praise online and offline by making and posting videos on these platforms. These platforms provide popularity, earning, and entertainment at the same time. For that, people have to post the video of their talent, acting, or daily routine on a continuity basis. The purpose of this paper is to build a short video app like TikTok called YouthApp. We have added features for upload videos, record videos, View other's posts, search for any person, check own profile, View own's followers View liked Videos, Update profile, and many more. We have developed this app using Android Studio with Java programming language. We have developed a web portal using which we can handle users and the content of this Youth App. This web portal is developed in PHP to manage the Youth App.

Keywords- Short Video Apps, Youth App, Android Application

I. INTRODUCTION

The use of the Internet is increasing day by day. Most of the people have smartphones in their hands. They use different social media platforms in their spare time. Social media platform becomes the place where people come closer, share knowledge, and earn money. Because of the Internet facility and smartphone in the hand, people can share their talent, daily life to their friends and to the whole world. Many short video apps are available in the market like Instagram reels, TikTok, and Youtube shorts. The popularity of these types of platforms is increasing drastically. These applications are more popular in youth and children. They make videos and share them on these platforms to get popularity. They spend most of their spare time in watching such short video applications.

This paper proposes a short video application implemented using Android Studio in Java programming language. User can upload video, watch videos, send messages to friends, manage own's profile, search friends, and make more friends. We have developed a web portal to manage this application.

II. LITERATURE SURVEY

Short video applications have many uses in entertainment, learning, and education. Audiovisual feature in these apps attracts more users. TikTok is a widely known short video app which has a great user base. It is useful if used properly. Also, TikTok needs to improve its supervision related to content and quality [1]. TikTok became popular in a very short period of time. We can get useful information from this platform. The analysis process that finds the location and obtains information from the mobiles having the TikTok app installed is given here [2]. Using this data, we can reconstruct follower lists, favorites, searching keywords, and messages that have been exchanged by users. Many people, children watch short video apps and their loyalty related to these platforms can be measure using a model that calculates values of satisfaction, ease of use, time-flexibility, entertainment, social value, perceived usefulness, and celebrity attractiveness[3]. They have used structural equation modeling for data analysis.

III. PROPOSED SYSTEM

We have developed a short video app called Youth App using Android studio. We have used the Java programming language to implement this application. We have developed a web portal that can manage this Youth App. This web portal is developed using PHP.

3.1 System Architecture

When a user opens Youth App, he has to log in using his Gmail account or Facebook account. After login, the user can create or select a video from his mobile phone, send messages to friends, check profile, update profile, watch videos, search people, and upload videos.

If user logout himself, he can view videos and also discover people. But user has to login if he wants to upload any video or send any message or update profile. See Fig. 1.

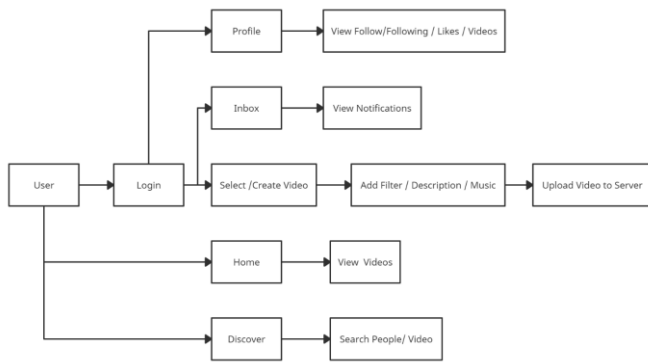


Fig -1: System Architecture

3.2 Upload Video

Users can create a video using a Youth App that is a maximum of 30 seconds long. They can add filters, descriptions, background music to this video before uploading. Sample audio tracks are provided that can be used as background music. After this user can upload this video to the server. This video uploading process takes a very short time. See Fig. 2.

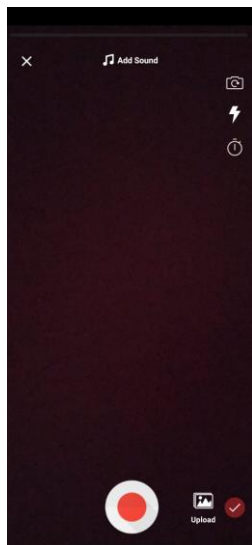


Fig -2: Upload Section

Users can select already created videos from their mobile phone to upload on the server. This video must be less than or equal to 30 seconds.

3.3 Watch Videos

Users can watch videos uploaded by other users. Users can like videos, comment on them, share videos with friends. We have used exoplayer, a media player for android apps. Using this exoplayer, we played the videos retrieve from the server. See Fig. 3.

3.4 Discover People

We can search any person who is a user of the Youth App by typing his/ her name in the search box. Results will be shown having that keyword in their name. We can follow and send a direct message to the person after searching for him.

3.5 Inbox

We can send messages, images to our friends. For this, we have to follow that person. Also, that person should follow you back. After this only, both can send messages to each other. See Fig. 5.

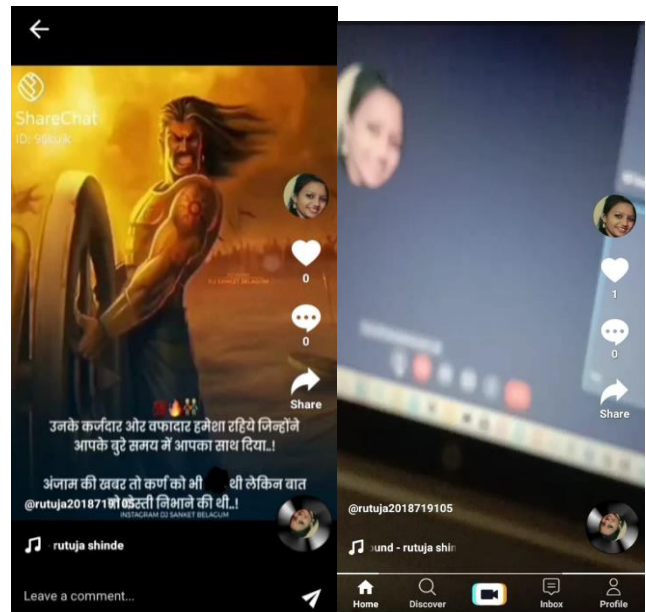


Fig -3: Home Section

3.6 Profile

User can check his/her followers, edit profile, view liked videos, see own posts. See Fig. 4.

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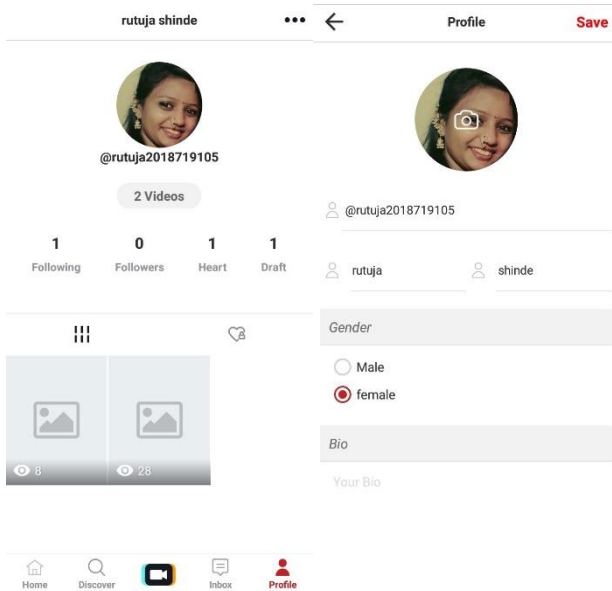


Fig -4: Profile Section

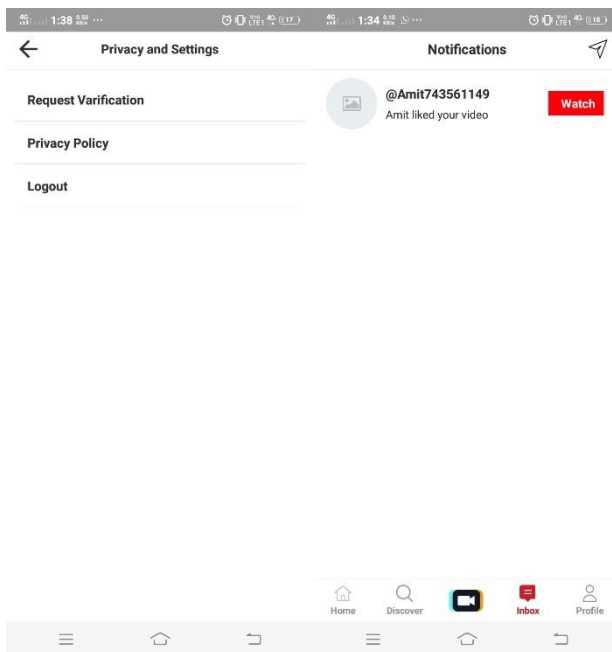


Fig -5: Inbox Section and Settings

IV. CONCLUSIONS

This system helps youth to showcase their talent in front of the whole world. They can share their daily life with other people and get popularity. If used properly, this platform will provide jobs to the youth. They can earn money here. In the future, we can add more features to this app so that people will not get bored of this app. We can use a better recommendation system so that the customer will stick to our app.