STREAMING APP

LIVE TV

MAD PROJECT

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01

ABSTRACT

ABSTRACT

- Streaming is the method of data transmission used when someone watches video on the internet. Live streaming is a broadcasting practice that brings audio and video of real time happenings to the viewers over the internet. The term live streaming usually refers to broadcasting live streams: one-to-many connections that go out to multiple users at once.
- Our project of My Live TV is a free live TV app that lets you watch free tv channels on your Android-supported device. It offers a very clean and uncluttered app experience. The app is well polished with proper navigation and options to quickly access the content without any login or subscription issues.

ABSTRACT

- You get a major of Indian Live TV Channels but assured you will get plenty of international channels to choose from. Just click on the Live TV channels of your choice and stream. The app streams Live TV in HD quality.

- You can watch live tv on the go from anywhere in the world. You can also stream live sports from across the globe. An easy-to-use quick app for your live tv needs.

02

INTRODUCTION

INTRODUCTION

- A survey said that the live streaming market will be worth over $70 billion by 2021 and we have witnessed it only growing even more. While there are other live streaming platforms like twitch, youtube live, facebook live, younow, etc. We stand a place to provide the same broadcasts live and in a better quality in a user friendly app.

- Statista surveys that there are 159.7 million TV subscribers in India, which means huge outlay is made by the people on TV channels. It is glad to announce once again that our live streaming app is gratis for all the people.

INTRODUCTION

- Although India has a very high growth rate in DTH and OTT subscription, about 80+% of the population belong to middle class or lower class in the economic section.
- Not everyone can afford these subscriptions, this is where our App comes into play. Our App helps fulfill customers desire of watching live tv without any subscription.

INTRODUCTION

- Users can also stream live sports which tends to be costly in the subscription of the OTT apps.
- Our App does not need even authentication, Major population holds android mobile phones and a basic Internet connection which major percentage of people have as a basic necessity.
- Users can utilize our app and stream their favorite channels 24/7.

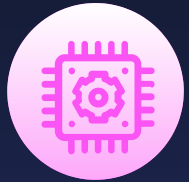
03

REQUIREMENT SPECIFICATION

REQUIREMENT SPECIFICATION

SOFTWARE

- OS: Windows or Linux
- Android Studio
- Emulator for testing the App
- External android phone if having less RAM for testing



HARDWARE

- Processor: Intel Core i5 and above
- RAM: 8 GB and above
- Monitor: Resolution of 1024 X 768 or higher
- Keyboard and Mouse

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DESIGN

MODULES

Main Activity

Main Activity is the home page which consists of all channels that can streamed

Channel Activity

Channel Activity is the activity responsible for streaming channel on the App

DESIGN

Main Activity

- The Main Activity is the Landing page or the Home page as the App opens. It consists of all the channels in an order, these channels are paced under a specific category
- This division of section of channels will help users locate the channels easy or give users ease of access for a particular section of channels.

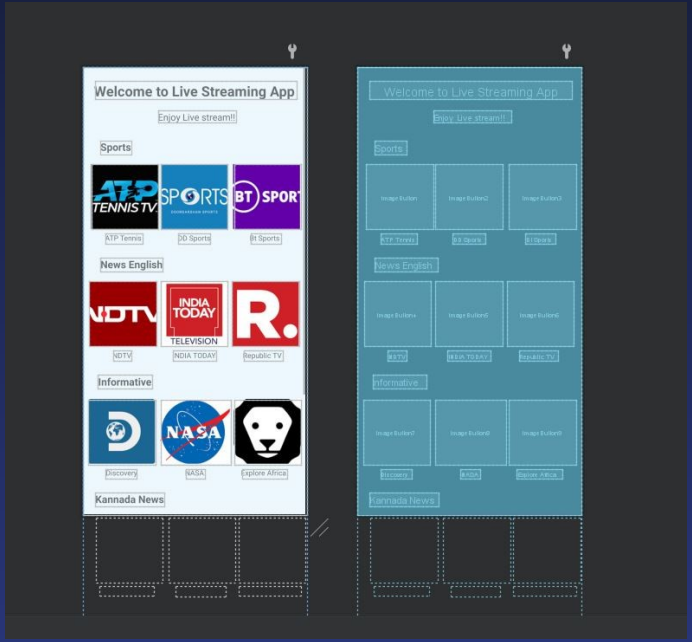
DESIGN

Main Activity

- The Main activity is a scroll able activity as there a lot of channels and sections that users desire to watch and fitting those on one static page is really difficult.
- The Main activity UI is simple and user friendly which many users like rather than complex and bulky UI.

DESIGN

Main Activity



Structure of main activity

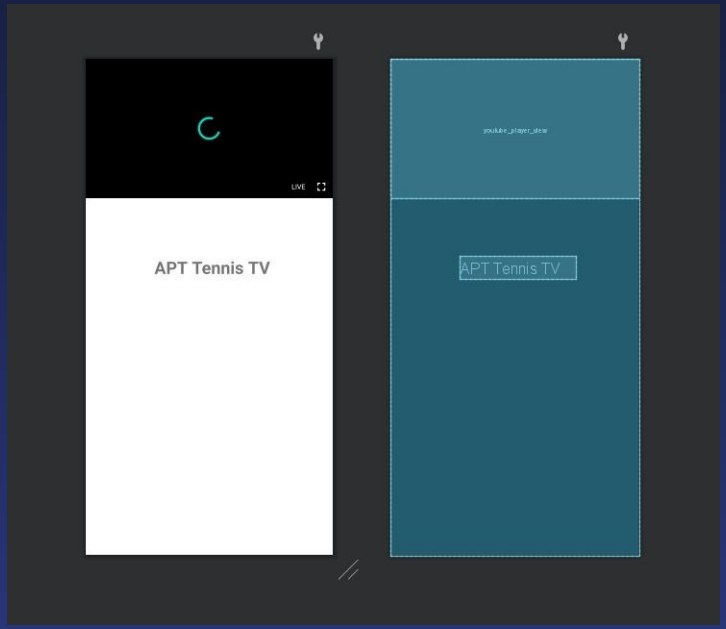
DESIGN

Channel Activity

- This Activity is related to all the channels on the app. Once the users click on the desired channels on the Main activity, it launches the channels activity of streaming the channel.
- The design of all channels activity is similar except that they stream different channels. The streaming activity consists of a media player screen specifically youtube API, Name of the channel is written in bold in the below space.

DESIGN

Channel Activity



Structure of channel activity

05

IMPLEMENTATION

IMPLEMENTATION

- This project is Designed using Android studio using java and XML language. It uses Youtube API for streaming channels over the Application. Using API makes the application lite which increases the overall performance. Android Emulator is used for testing the App. For this project we used PIXEL 3XL with android R which is API 30.

IMPLEMENTATION

- We created a Main Activity for the home page of the App. This will consist of all the channels which are stream able over the app. The channels will be displayed by using the channels logo in the UI in the app.
- These logos are made as image buttons which when clicked which lead to the channels activity which will stream the app.
- The Channels activity are then cloned to other channels and then the streaming links are changed for displayed correct content for the channel.

IMPLEMENTATION

- The youtube streaming API is used for this purpose known as android youtube player which is a open source platform for streaming video.
- The Main Activity consists of constraint layout inside the scroll able view. The other elements such as Image Buttons text view etc are constrained inside the constrained layout. Where as the Channels layout uses Linear layout for displaying the content.

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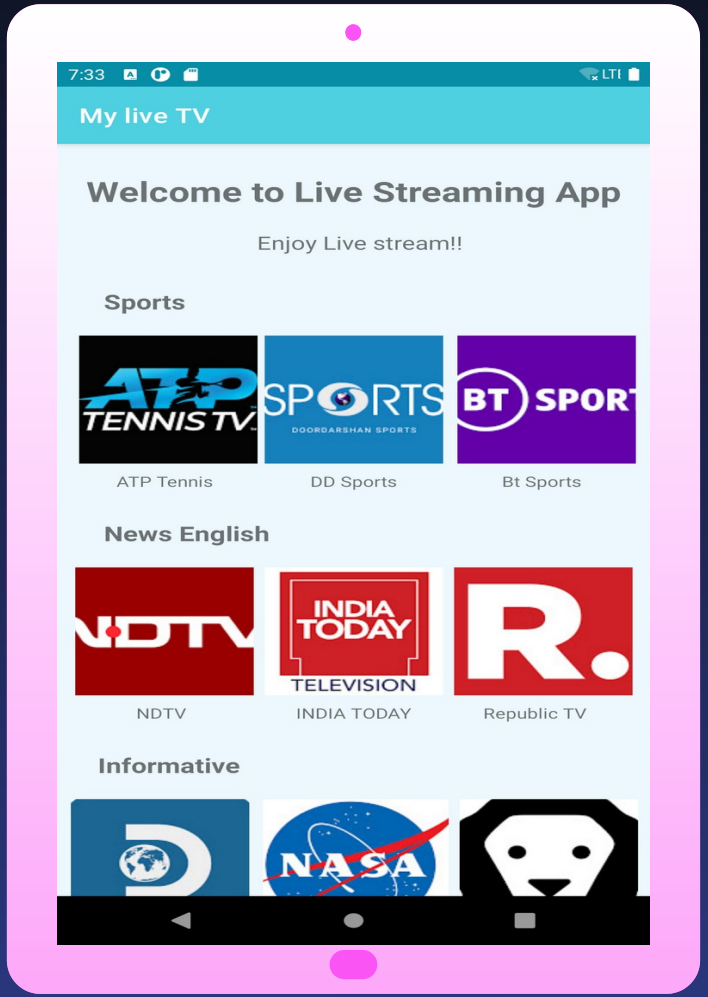
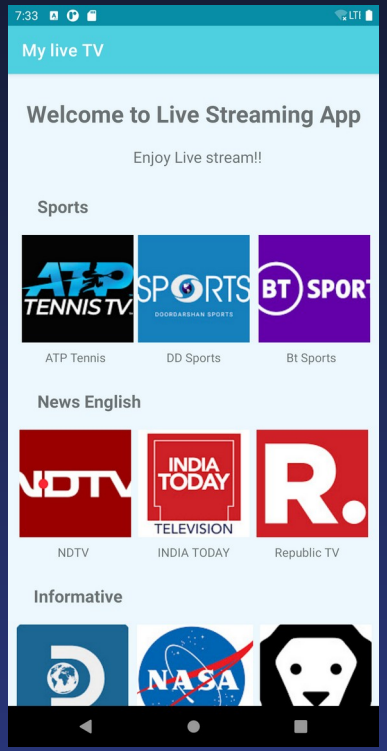
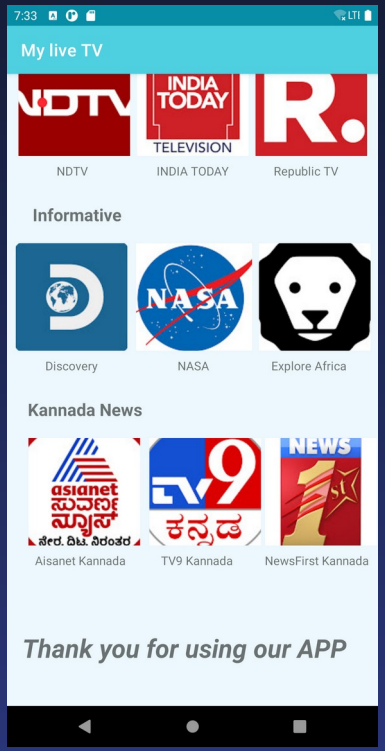
RESULTS

OUTPUT


7:33
My live TV
Welcome to Live Streaming App
Enjoy Live stream!!
Sports
ATP Tennis
DD Sports
Bt Sports
News English
NDTV
INDIA TODAY
Republic TV
Informative

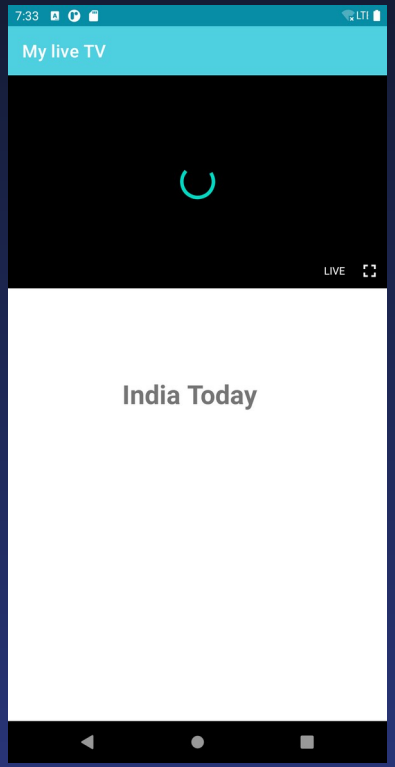
RESULT

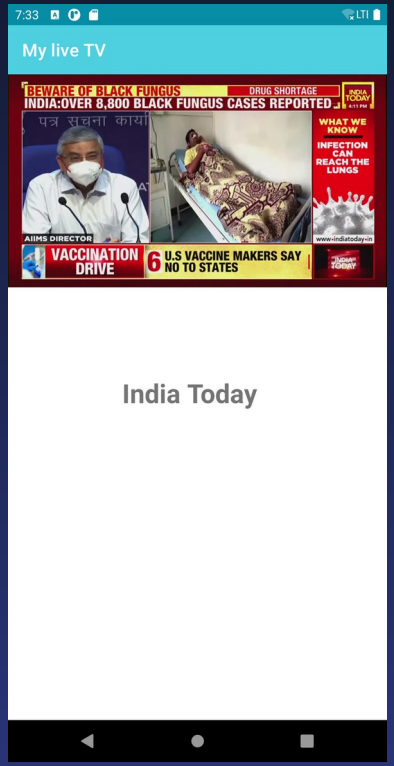




HOME PAGE(Main Activity)

RESULT





CHANNEL PAGE

RESULT

FULL SCREEN

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CONCLUSION

CONCLUSION

- In this project we created an App that live streams TV channels with help of youtube API. This App will be helpful for people who have issue paying subscriptions for channels. This App can be used for people to watch TV on the stream.

CONCLUSION

FUTURE ENHANCEMENTS

Future enhancements of this project could be:

- Adding more channels
- Making UX interface better
- Adding Web series and movies for movie lovers

THANK YOU