

Playing Video Using YouTube API

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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IIT Bombay
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Learning Objectives



Learning Objectives

- Create a project in **Google cloud**



Learning Objectives

- Create a project in **Google cloud**
- Enable the **YouTube API**



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- Create a project in **Google cloud**
- Enable the **YouTube API**
- Initialise the **YouTubePlayerView** in **Android studio**



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- Initialise the **YouTubePlayerView** in **Android studio**
- **Run the Kotlin App**



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- Create a project in **Google cloud**
- Enable the **YouTube API**
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- Run the Kotlin App
- Play the selected video



System Requirements



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To record this tutorial, I am using



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- **Ubuntu Linux 16.04 operating system**



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- Ubuntu Linux 16.04 operating system
- Android Studio version 3.x



System Requirements

To record this tutorial, I am using

- Ubuntu Linux 16.04 operating system
- Android Studio version 3.x
- Android Phone with minimum of Android OS version 4.03



Pre-requisites



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- Java programming language



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- **Java programming language**
- **Android Studio**



Pre-requisites

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Pre-requisites

- Java programming language
- Android Studio

If not, then go through the relevant tutorials on <https://spoken-tutorial.org>



Tool - YouTubePlayerView



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- In Android Studio, we don't have any tool in the palette which can play YouTube videos



Tool - YouTubePlayerView

- In Android Studio, we don't have any tool in the palette which can play YouTube videos
- But YouTube provides its own YouTubePlayerView which we can use



Tool - YouTubePlayerView



Tool - YouTubePlayerView

- The view just needs to be initialized directly to play a video from YouTube, by giving the video ID



Publish Apps on Google Play Store

- Please follow the steps in the given link to become a publisher

<https://docs.microsoft.com/en-us/xamarin/android/deploy-test/publishing/publishing-to-google-play/?tabs=vswin#becoming-a-publisher>



Publish Apps on Google Play Store

- This is the official link where the registration is to be done :

[**https://play.google.com/apps/publish/**](https://play.google.com/apps/publish/)

- Once completed, you will be able to publish/upload your Android App on Google Play Store



Summary

In this tutorial we learnt to

- **Create a project in Google cloud**
- **Enable the YouTube API**
- **Initialise the YouTubePlayerView in Android studio**
- **Run the Kotlin App**
- **Play the selected video**



Assignment

- 1 **Select different FOSS and Language combinations and play the selected video**



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- It summarises the Spoken Tutorial project
- If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates on passing online test
- For more details, please write to contact@spoken-tutorial.org



Forum for specific questions

- Do you have questions in **THIS Spoken Tutorial?**
- Please visit <http://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from our team will answer them



Acknowledgements

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- It is supported by the National Mission on Education through ICT, MHRD, Government of India
- More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>



Thank you

- The **Android app** and the script for this tutorial was contributed by **Abhishek Shah** (*FOSSEE Fellow 2018*)
- The video has been created by **Spoken Tutorial team, IIT Bombay**

