

Creating a Search App

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Video production by: Spoken Tutorial Team

IIT Bombay

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Learning Objectives



Learning Objectives

- **Create a Search App for Spoken Tutorial Project**



Learning Objectives

- **Create a Search App for Spoken Tutorial Project**
- **Run the Kotlin App to see the output in an Android phone**



System Requirements



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To record this tutorial, I am using



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To record this tutorial, I am using

- **Ubuntu Linux 16.04 operating system**



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- **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



Pre-requisites

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



Pre-requisites

- **Java programming language**
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Pre-requisites

- Java programming language
- Android Studio

If not, then go through the relevant tutorials on this

<http://spoken-tutorial.org>



Search App - Spoken Tutorial



Search App - Spoken Tutorial

- We will create a Search App



Search App - Spoken Tutorial

- **We will create a Search App**
- **Using this App, the user can search and find video tutorials from the Spoken Tutorial server**



Search App - Attributes



Search App - Attributes

Tool	Attributes	Value
Textview1	Text	Select Foss
Textview2	Text	Select Language
Spinner1	ID	Spinner1
Spinner1	layout_width	Spinner1
Spinner2	ID	Spinner2
Spinner2	layout_width	Spinner2
Button	ID	searchButton
Button	Text	Search



Spoken Tutorial - Data Identification



Spoken Tutorial - Data Identification

- **Every FOSS in Spoken Tutorial has an ID associated with it**



Spoken Tutorial - Data Identification

- **Every FOSS in Spoken Tutorial has an ID associated with it**
- **Each language also has an ID associated with it**



Spoken Tutorial - Data Identification



Spoken Tutorial - Data Identification

- **These IDs fetch the related videos from the Spoken Tutorial web server**



Spoken Tutorial - Data Identification

- **These IDs fetch the related videos from the Spoken Tutorial web server**
- **Those particular videos are displayed for the user to watch using the **ST Search** app**



Code Files



Code Files

- The source code used in this tutorial are available in the **Code files** link of this tutorial page



Code Files

- The source code used in this tutorial are available in the **Code files** link of this tutorial page
- Please download and make use of it when you are practising



Summary

In this tutorial we learnt to

- **Create a Search app for Spoken Tutorial**
- **Run the Kotlin App to see the output in an Android phone**



Assignment

- 1 **Select various FOSS ID and Language ID in the App**
- 2 **Click on the Search button**
- 3 **Check the output**



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

- **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- **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**

