



SNS COLLEGE OF TECHNOLOGY

(AN AUTONOMOUS INSTITUTION)

COIMBATORE – 35

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



UNIT 1

GETTING STARTED WITH MOBILITY

Syllabus:

Mobility landscape, Mobile platforms, Mobile apps development, Overview of Android platform, setting up the mobile app development environment along with an emulator, a case study on Mobile app development.

Android AppShortcuts Sample

This sample demonstrates how to use the Launcher Shortcuts API introduced in Android 7.1 (API 25). This API allows an application to define a set of Intents which are displayed as when a user long-presses on the app's launcher icon. Examples are given for registering both links both statically in XML, as well as dynamically at runtime.

Introduction

You can use the shortcuts feature in Android 7.1 (API 25) to bring users from the launcher directly to key actions within your app. Users simply long-press your app's launcher icon to reveal the app's shortcuts, then tap on a shortcut to jump to the associated action. These shortcuts are a great way to engage users, and they let you surface the functionality of your app even before users launch your app.

Each shortcut references an intent, each of which launches a specific action or task, and you can create a shortcut for any action that you can express as an intent. For example, you can create intents for sending a new text message, making a reservation, playing a video, continuing a game, loading a map location, and much more.

You can create shortcuts for your app statically by adding them to a resource file in the APK, or you can add them dynamically at runtime. Static shortcuts are ideal for common actions, and dynamic shortcuts let you highlight actions based on users' preferences, behavior, location, and so on. This sample demonstrates both types of shortcuts.

You can offer up to five shortcuts in each of your apps.

After your app adds shortcuts, they're available on any launcher that supports them, such as the Pixel launcher (the default launcher on Pixel devices), the Now launcher (the default launcher on Nexus devices), and other launchers that provide support.

For more information on creating shortcuts, see the [Shortcuts to App Actions](#) developer guide.

Pre-requisites

- Android SDK 27
- Android Build Tools v27.0.2
- Android Support Repository

Getting Started

This sample uses the Gradle build system. To build this project, use the "gradlew build" command or use "Import Project" in Android Studio.

Support

- Google+ Community: <https://plus.google.com/communities/105153134372062985968>
- Stack Overflow: <http://stackoverflow.com/questions/tagged/android>

If you've found an error in this sample, please file an issue: <https://github.com/googlesamples/android-AppShortcuts>

Patches are encouraged, and may be submitted by forking this project and submitting a pull request through GitHub. Please see CONTRIBUTING.md for more details.

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