

Enhancing the Android Application Experience

DESIGNING AND PLANNING OUR APP



Jim Wilson

MOBILE SOLUTIONS DEVELOPER & ARCHITECT

@hedgehogjim blog.jwhh.com



What to Expect from This Module



Improving Note List Appearance

Improving Note Interaction

Expanding Navigation

Automated Testing of New UI Features

Enriching App Appearance

Providing Consistency and Branding

Customizable Content and Behavior



Improving Note List Appearance

NoteKeeper

android_intents|Dynamic intent resolution|
Wow, intents allow components to be
resolved at runtime

android_intents|Delegating intents|
PendingIntents are powerful; they delegate
much more than just a component
invocation

android_async|Service default threads|Did
you know that by default an Android Service
will tie up the UI thread?

android_async|Long running operations|
Foreground Services can be tied to a
notification icon

java_lang|Parameters|Leverage variable-
length parameter lists

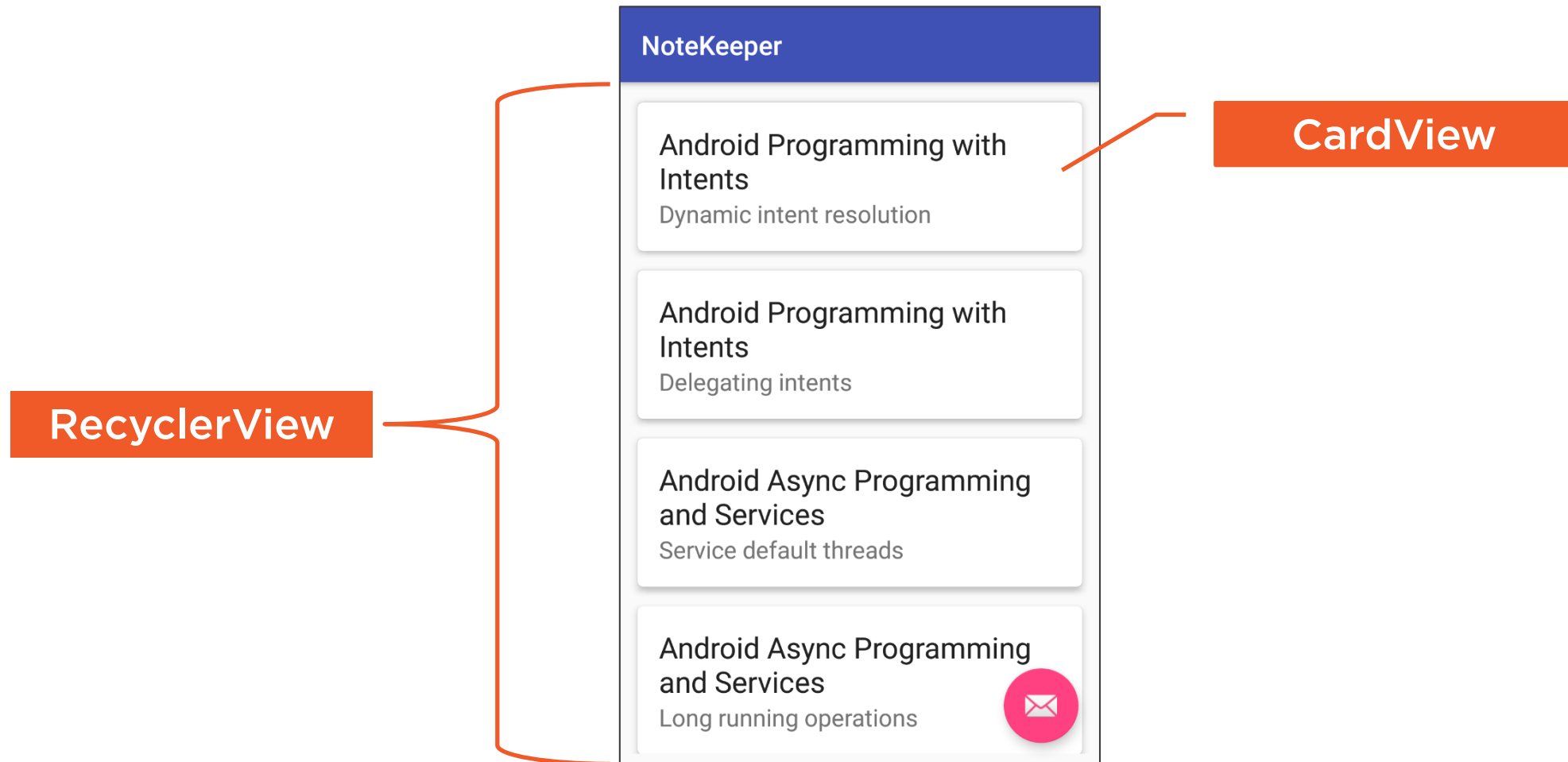
java_lang|Anonymous classes|Anonymous
classes simplify implementing one-use
types

java_core|Compiler options|The -jar option
isn't compatible with with the -cp option

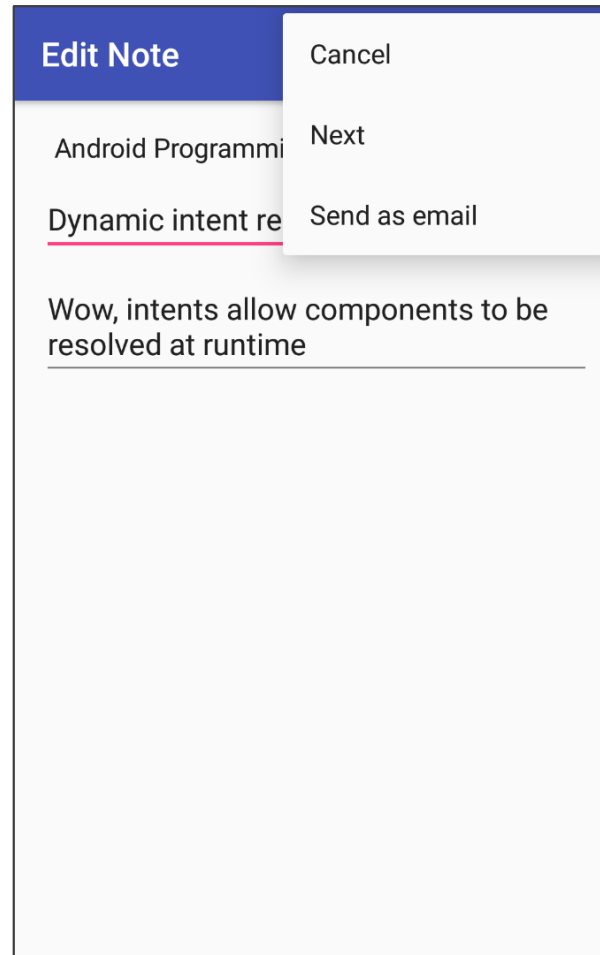
java_core|Serialization|Remember to
include SerialVersionUID to assure ver
compatibility



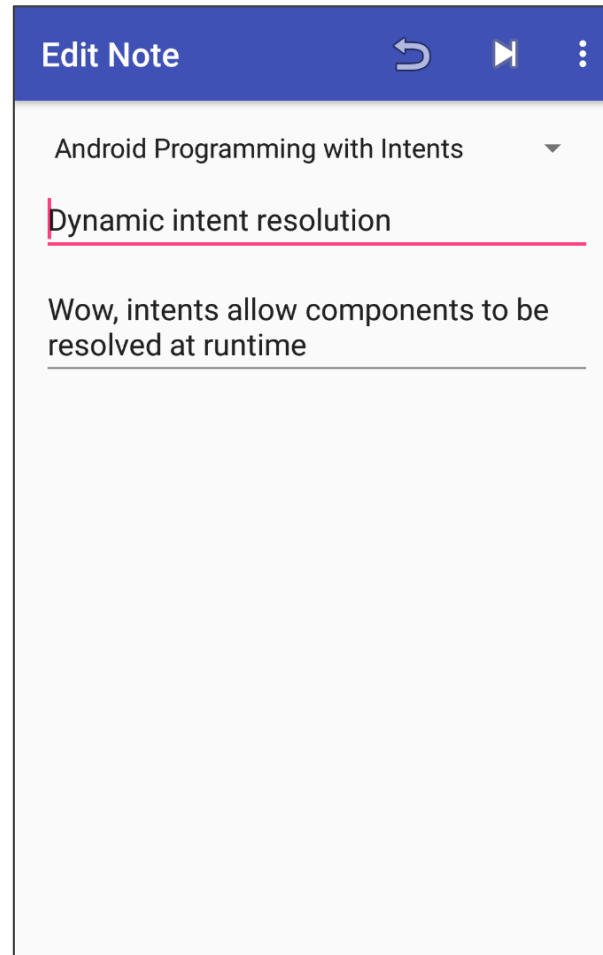
Improving Note List Appearance



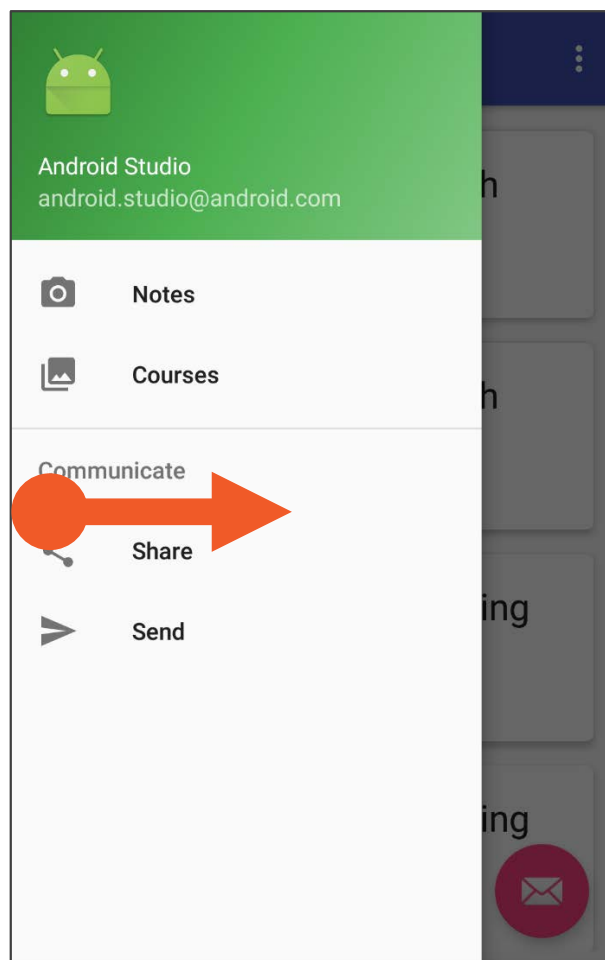
Improving Note Interaction



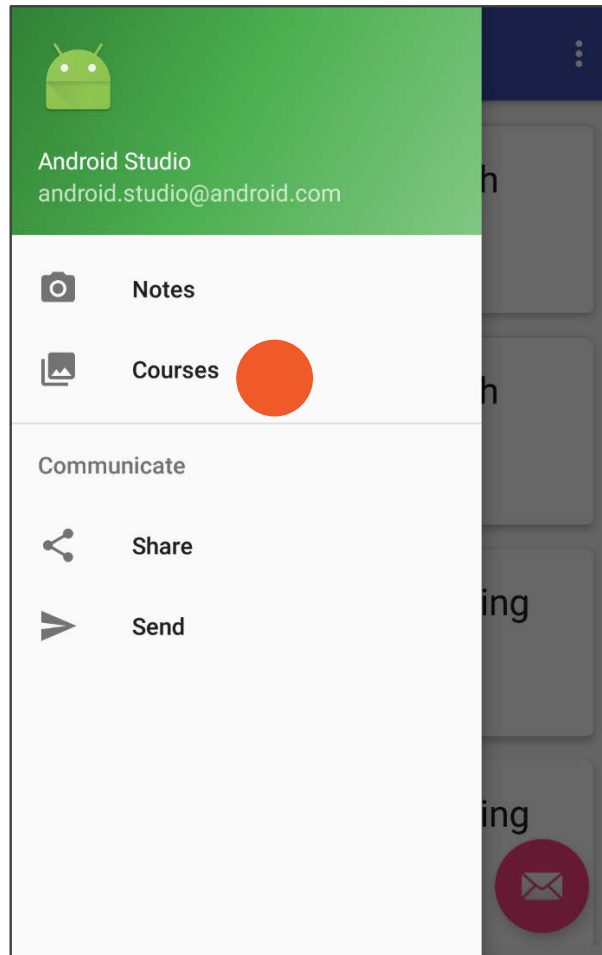
Improving Note Interaction



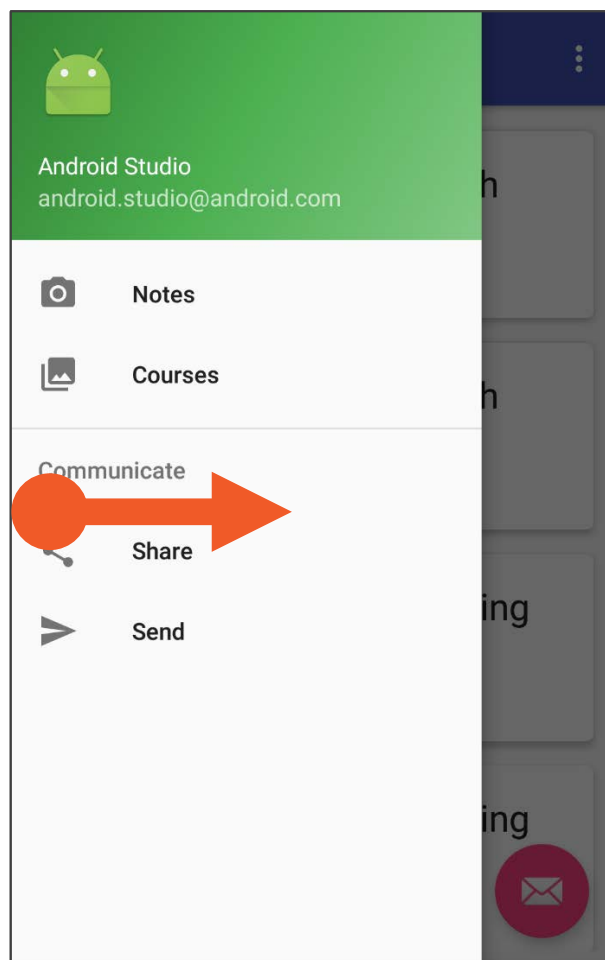
Expanding Navigation



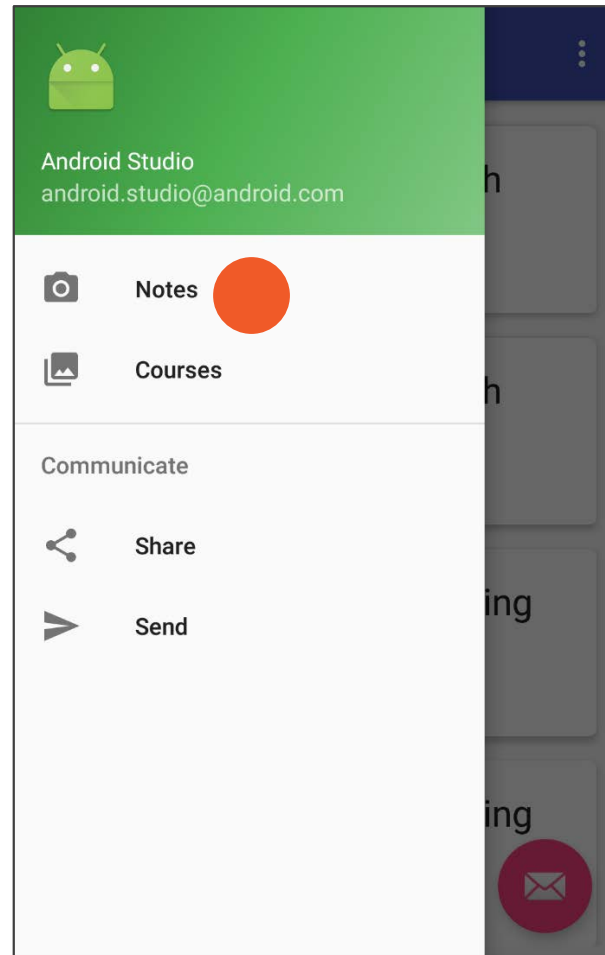
Expanding Navigation



Expanding Navigation

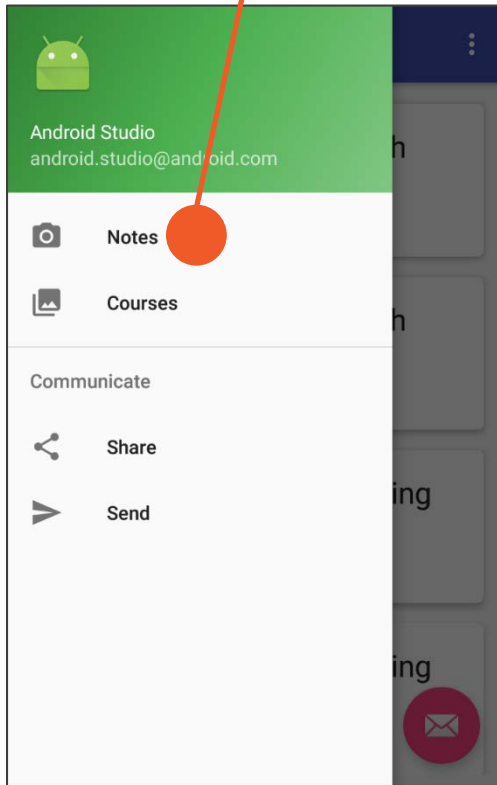


Expanding Navigation

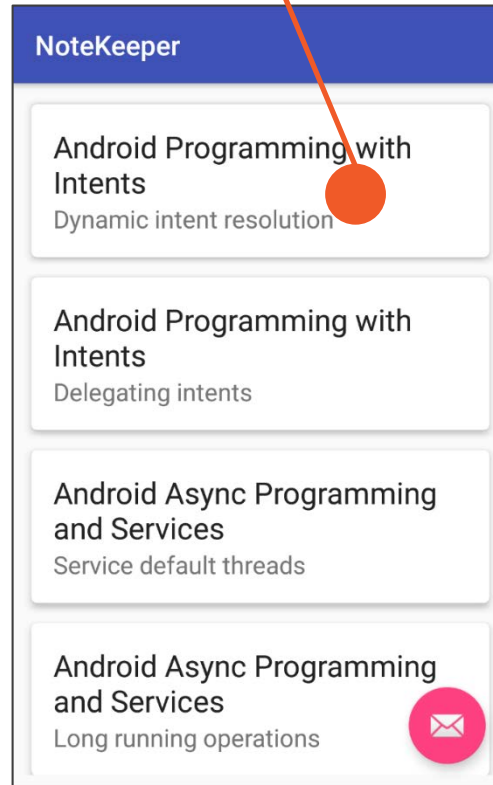


Automated UI Testing

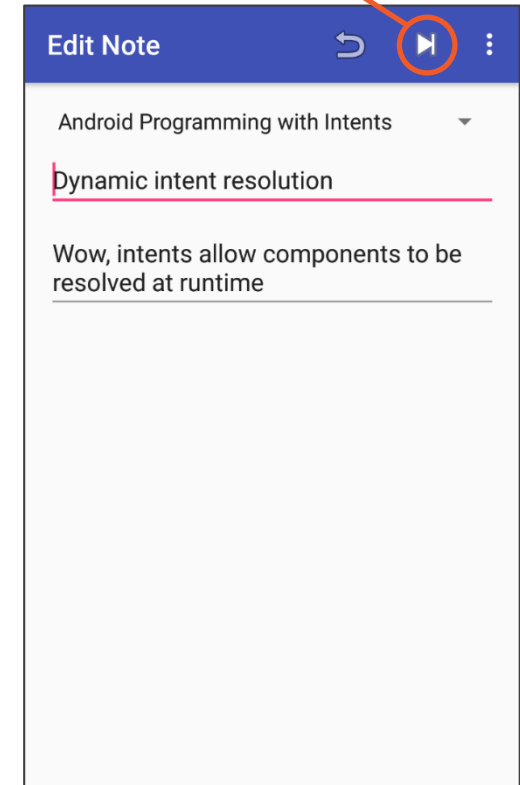
Navigation
Drawer



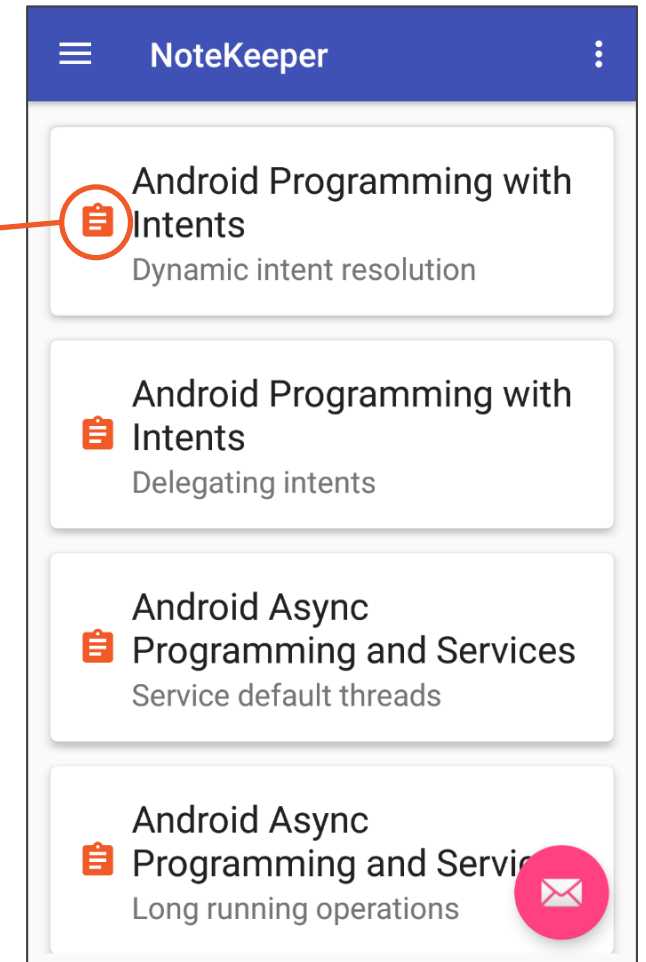
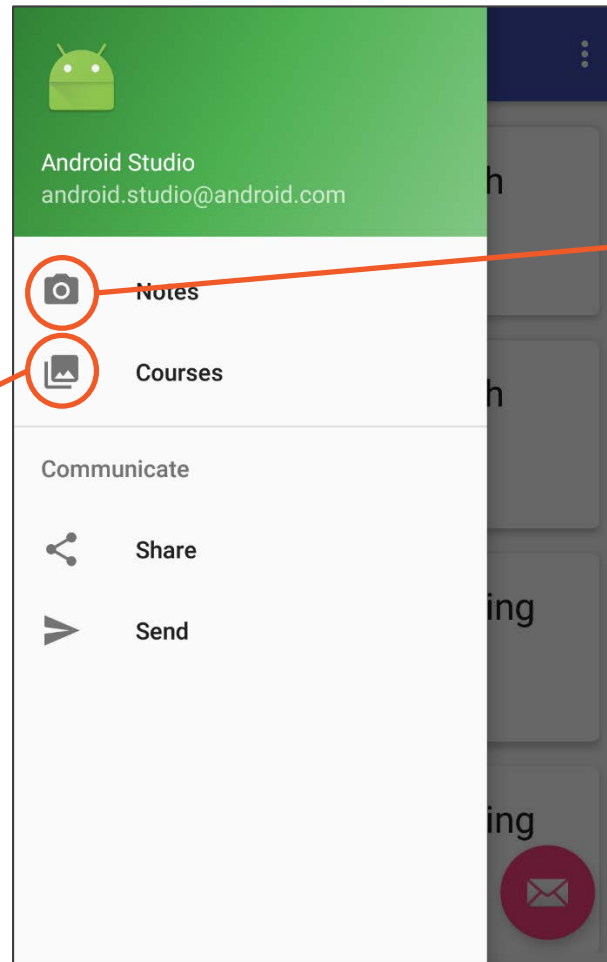
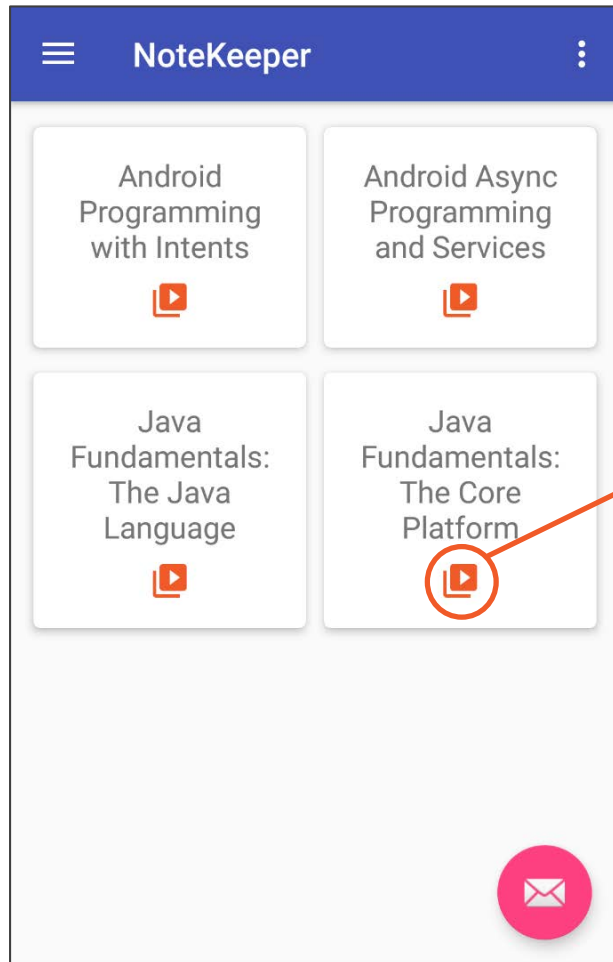
RecyclerView



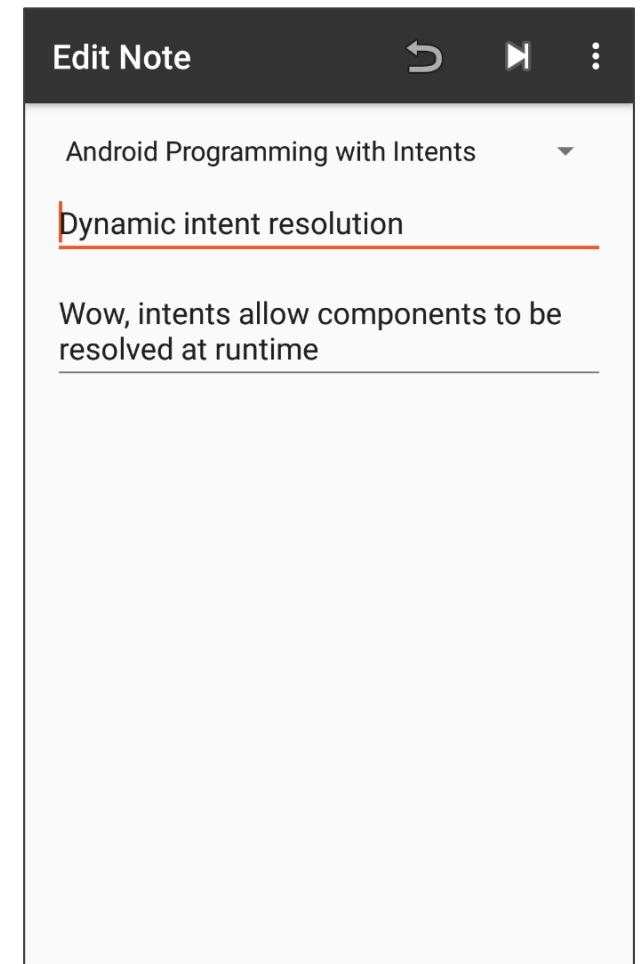
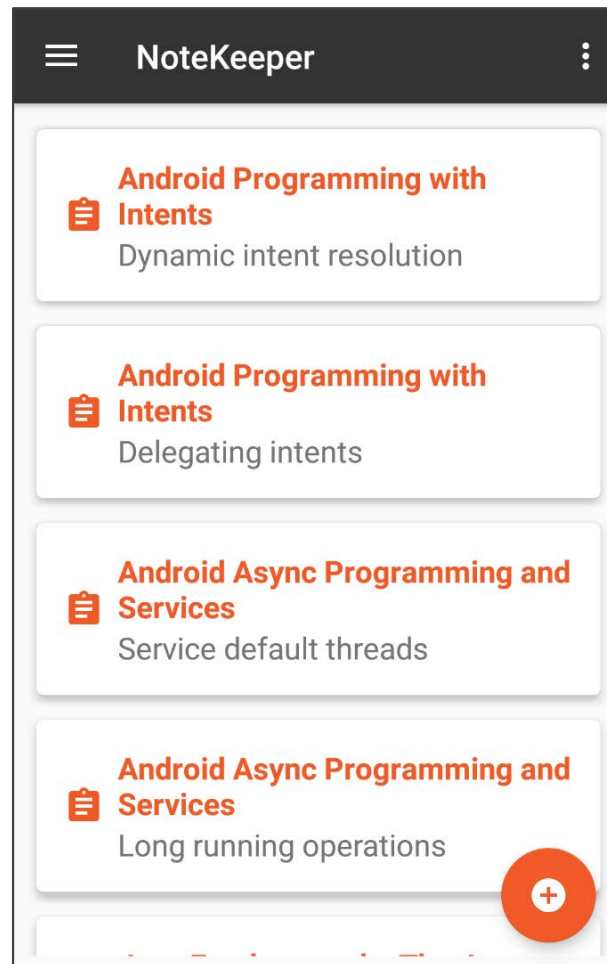
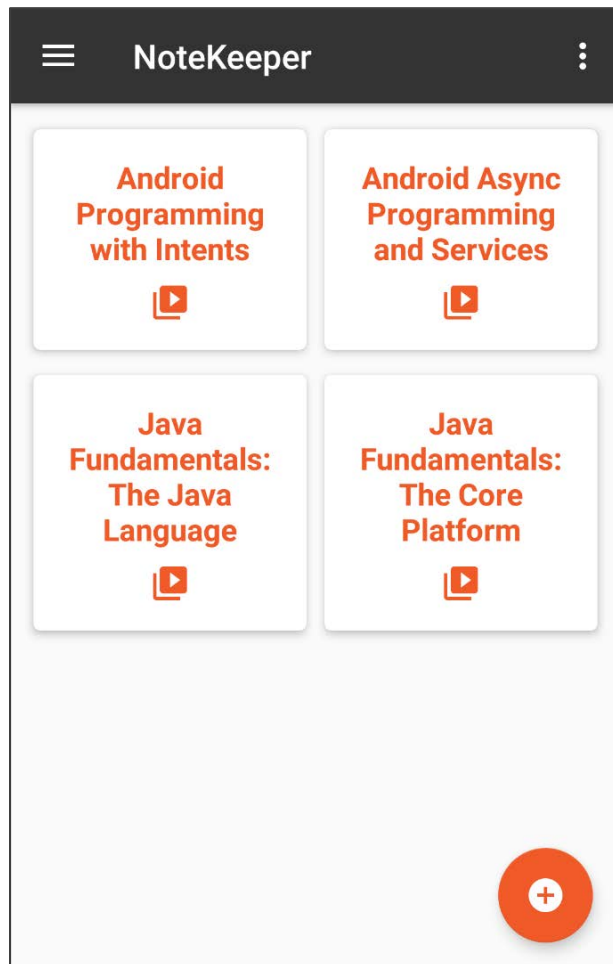
Options Menu



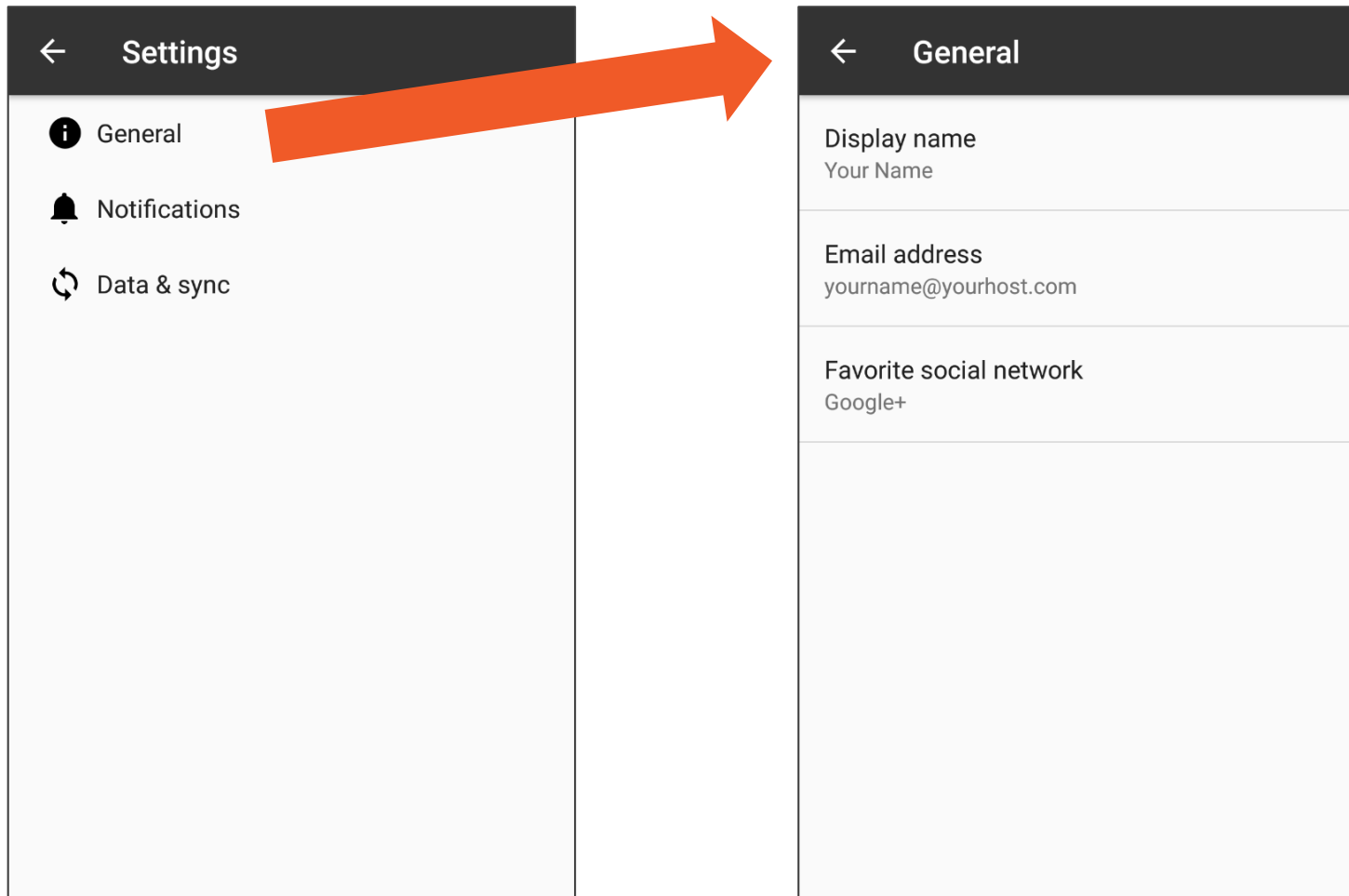
Enriching App Appearance



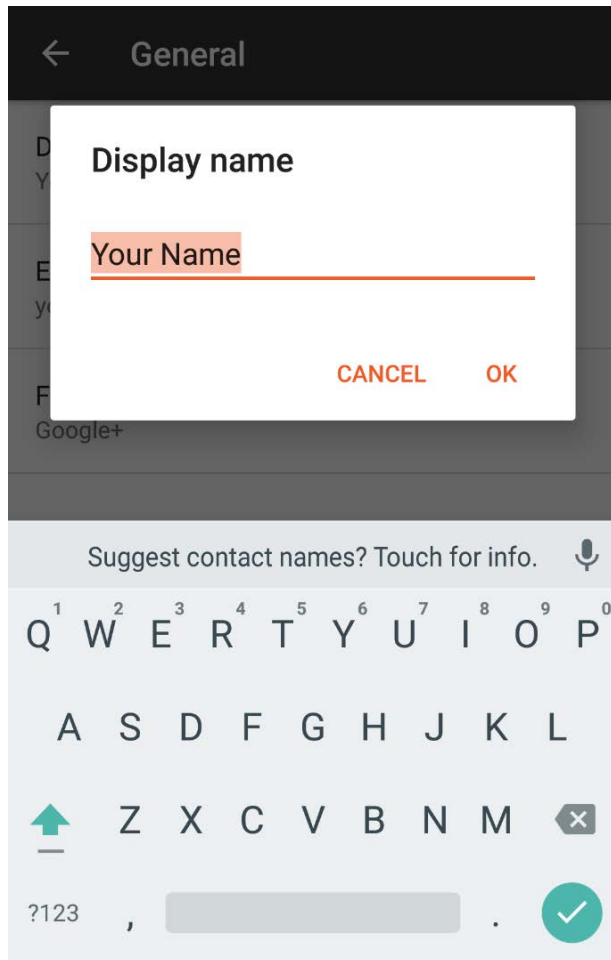
Enriching App Appearance



Customizable Content and Behavior



Customizable Content and Behavior




← General

Display name

Your Name

CANCEL OK

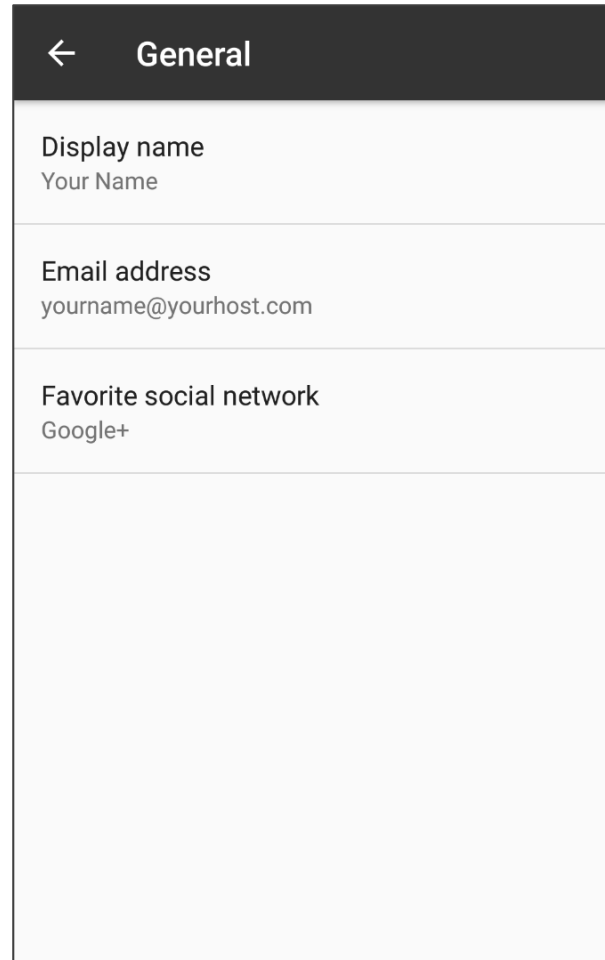
Suggest contact names? Touch for info. 

Q W E R T Y U I O P

A S D F G H J K L

↑ Z X C V B N M ✕

?123 , . ✓

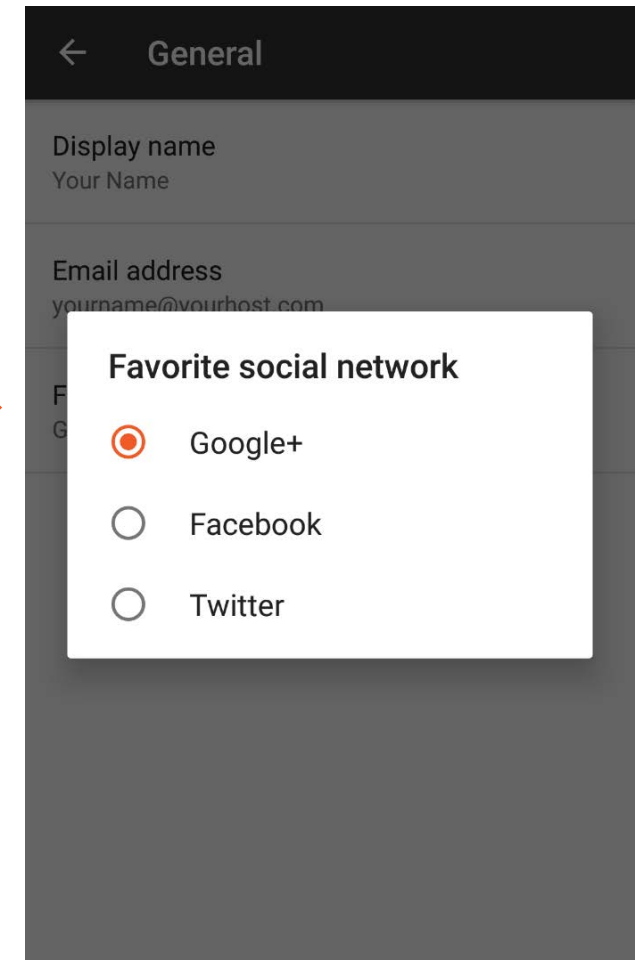


← General

Display name
Your Name

Email address
yourname@yourhost.com

Favorite social network
Google+



← General

Display name
Your Name

Email address
yourname@yourhost.com

Favorite social network

☒ Google+

☐ Facebook

☐ Twitter

