



ANDROID XXIII

WRAPPING UP ANDROID



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What are we covering today?

- What have we learned?
- What else can Android do?

WHAT HAVE WE LEARNED?



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What have we learned?

- How to create a responsive user interface
 - ViewGroups and Views, drawables and resources
- How to write Java in Android
 - Android lifecycle (onCreate etc.), Intents, Sharing, Listeners, Adapters
- How to create dynamic graphics
 - Subclassing View, drawing in Android
- How to use Android sensors
 - Permissions, Android features, Sensors, Accelerometer
- How to create an interactive Android application
 - Touch and Gestures

WHAT ELSE CAN
ANDROID DO?



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What else can Android do?

- Connectivity
- Data Storage
- Audio and Video
- User location
- Google (and other) APIs

Connectivity

- Bluetooth
- NFC
- Wi-Fi
- USB
- NSD
- + more



Connectivity

- Bluetooth <https://developer.android.com/guide/topics/connectivity/bluetooth>
- NFC <https://developer.android.com/guide/topics/connectivity/nfc>
- Wi-Fi <https://developer.android.com/training/basics/network-ops>
- USB <https://developer.android.com/guide/topics/connectivity/usb>
- NSD <https://developer.android.com/training/connect-devices-wirelessly/nsd>
- + more <https://developer.android.com/guide/topics/connectivity>

Data storage

- Files
- SQLite
- Sharing
- + more



Data storage

- Files <https://developer.android.com/training/data-storage/files>
- SQLite <https://developer.android.com/training/data-storage/room>
- Sharing <https://developer.android.com/training/secure-file-sharing>
- + more <https://developer.android.com/guide/topics/data>

Audio and Video

- Media player
- Media recorder
- Streaming
- Android Auto
- + more



Audio and Video

- Media player <https://developer.android.com/guide/topics/media/mediaplayer>
- Media recorder <https://developer.android.com/guide/topics/media/mediarecorder>
- Streaming <https://developer.android.com/guide/topics/media/exoplayer>
- Android Auto <https://developer.android.com/training/cars/media>
- + more <https://developer.android.com/guide/topics/media>

User location

- Last known location
- Geo-fencing
- Adding maps
- + more



User location

- Last known location <https://developer.android.com/training/location/retrieve-current>
- Geo-fencing <https://developer.android.com/training/location/geofencing>
- Adding maps <https://developer.android.com/training/maps>
- + more <https://developer.android.com/training/location>

Google Play Services

- Google Maps API
- Google Drive API
- Google Fit API
- + more



User location

- Google Maps API <https://developers.google.com/maps/documentation/android-sdk/intro>
- Google Drive API <https://developers.google.com/drive/api/v3/about-sdk>
- Google Fit API <https://developers.google.com/fit>
- + more <https://developers.google.com/android/guides/overview>



ANDROID XXII

WRAPPING UP ANDROID



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