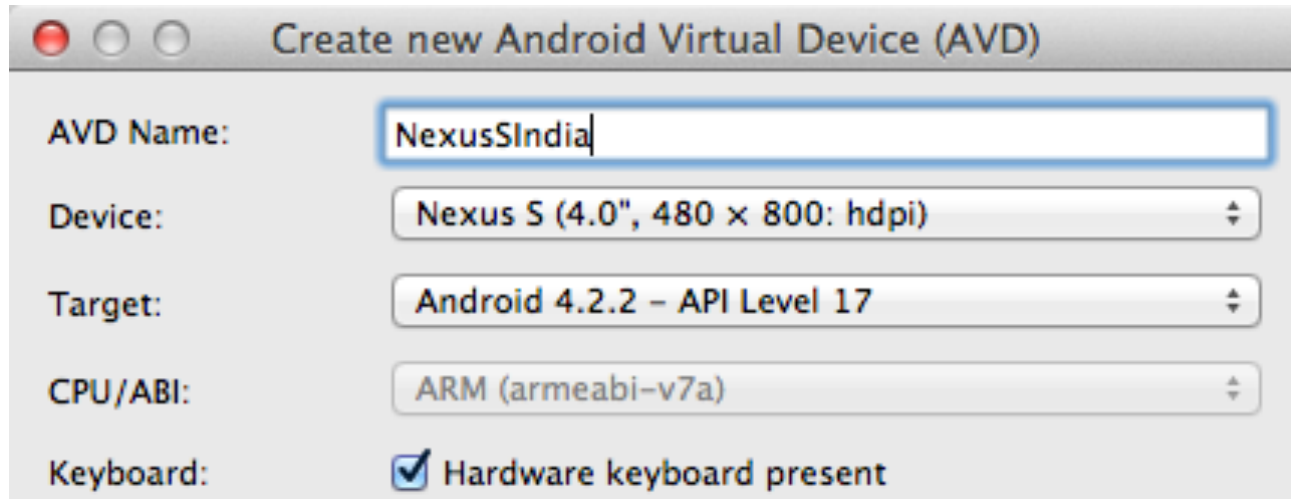# Welcome and ಗುಡ್ ಆಫ್ಟರ್ನೂನ್
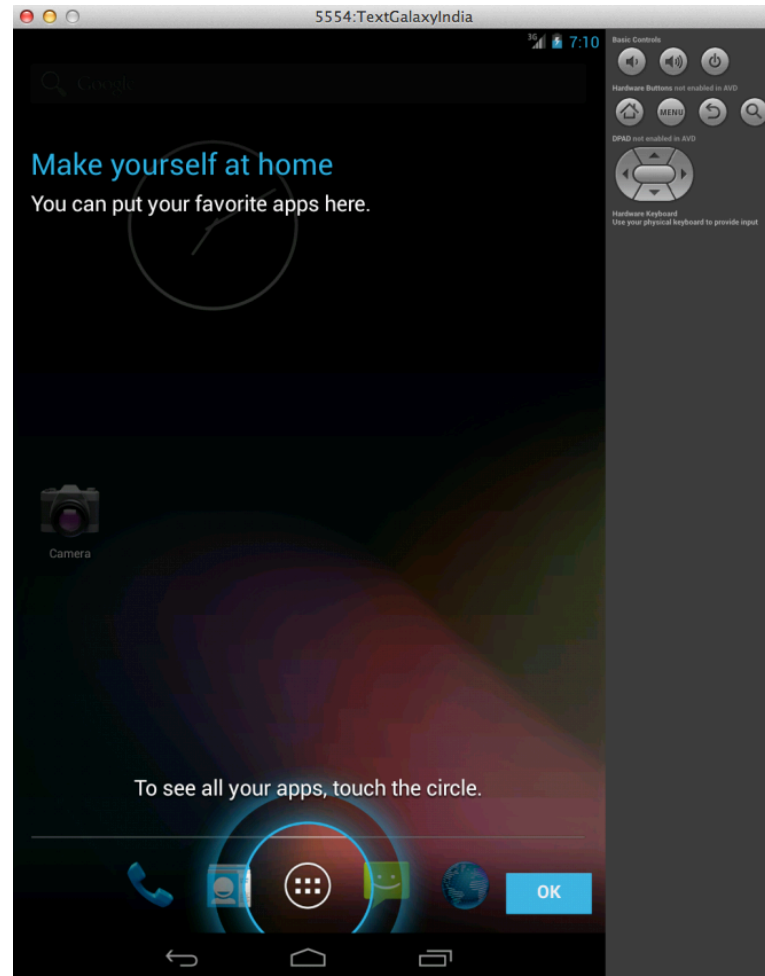
AITI IIT Bombay Class 2013

Lecture 3

Make a Nexus S AVD (this should load faster)

Start your AVD *yawn*

Piazza

- We will post class announcements here

- Did you receive the invitation email?

# Complete the Android Tutorials

Building a Simple user interface
- http://developer.android.com/training/basics/firstapp/building-ui.html

Starting another activity
- http://developer.android.com/training/basics/firstapp/starting-activity.html

- Commit changes to Git after each tutorial
- Don't forget to add the new files to the index and commit them (They will have a "?" next to their name)
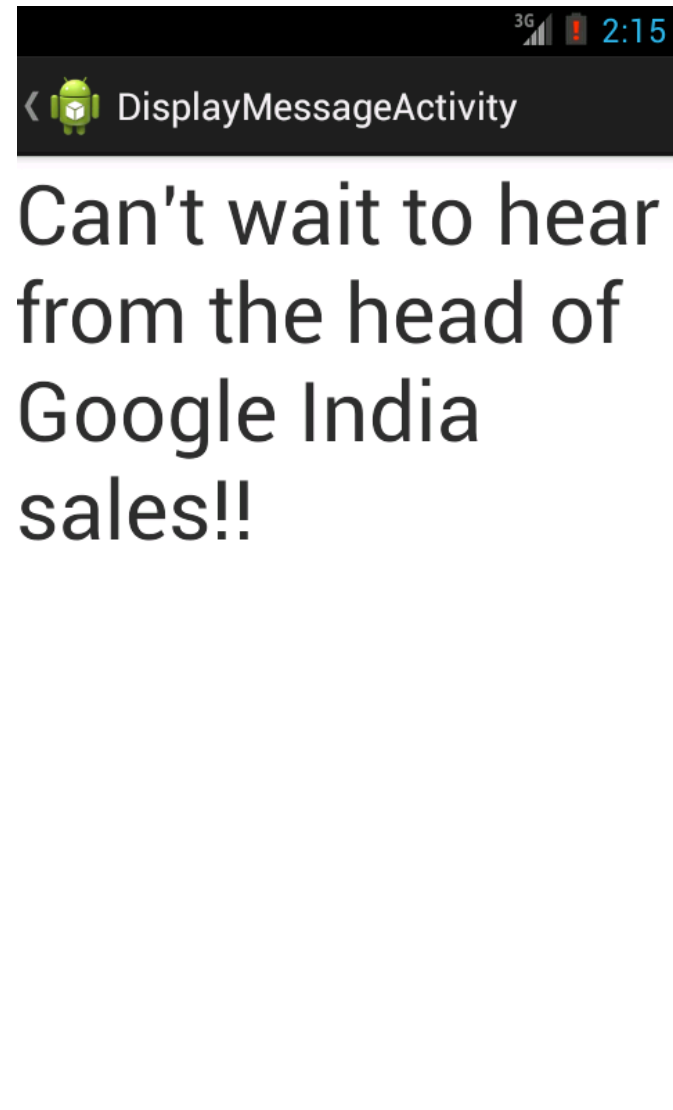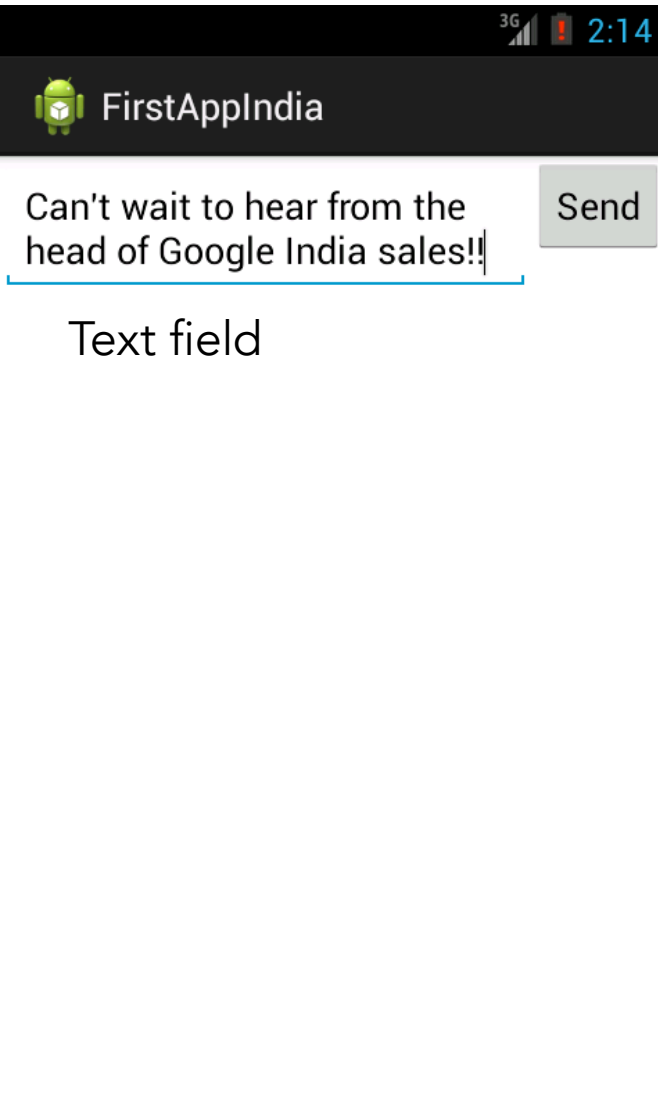- Help other students!!

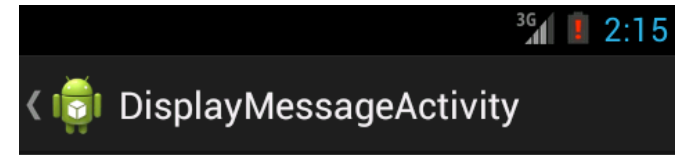# Tutorial Recap

Activity 1

Button

Text field
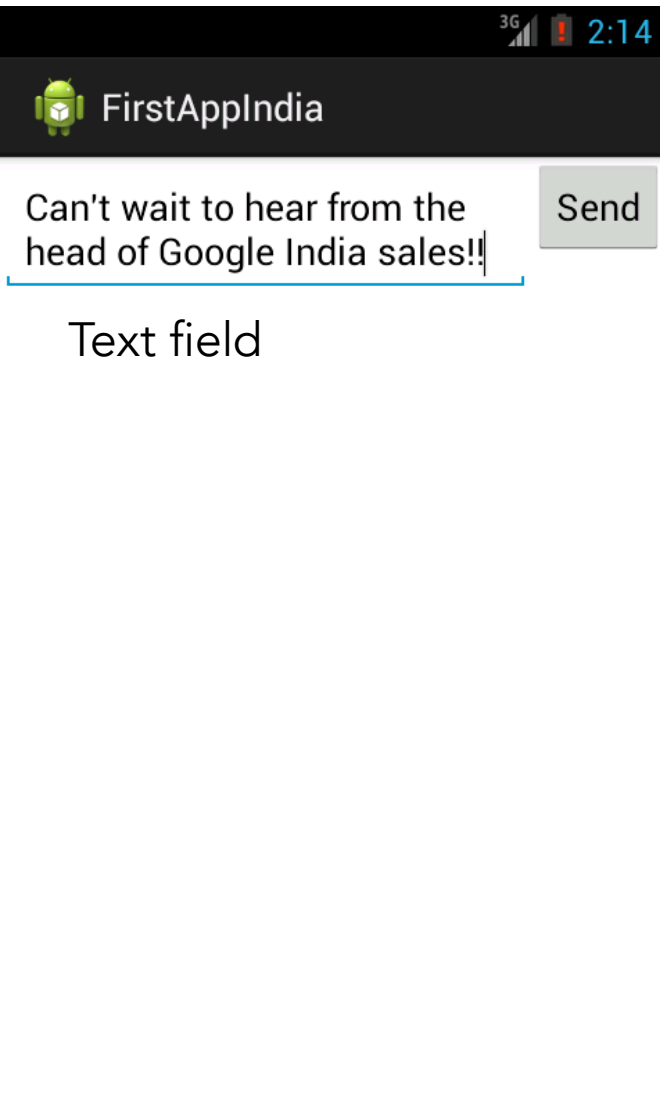
Activity 2

Tutorial Recap

Activity 1

Activity 2

FirstAppIndia

Can't wait to hear from the head of Google India sales!!

Send

Button

Text field

Click Event

Intent

(Contains message object)

DisplayMessageActivity

Can't wait to hear from the head of Google India sales!!

Tutorial Recap: Activities

Activity 1

Activity 1.xml

Activity 1.java

Activity 2

Activity 2.xml

Activity 2.java

Tutorial Recap: Buttons

Activity 1

FirstAppIndia

Can't wait to hear from the head of Google India sales!!   Send
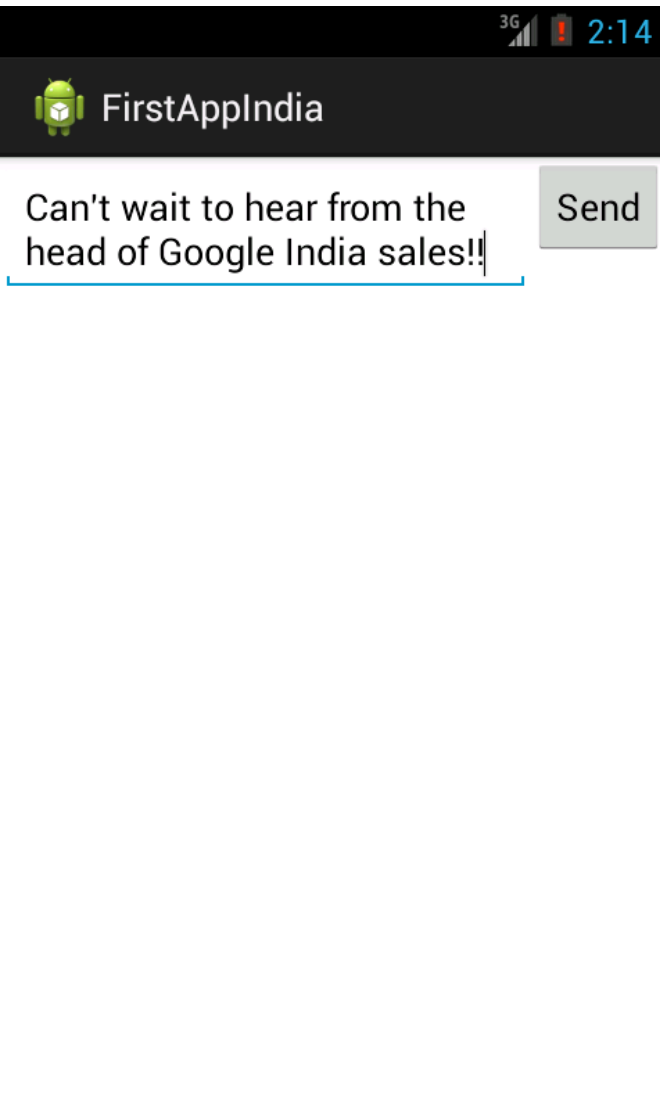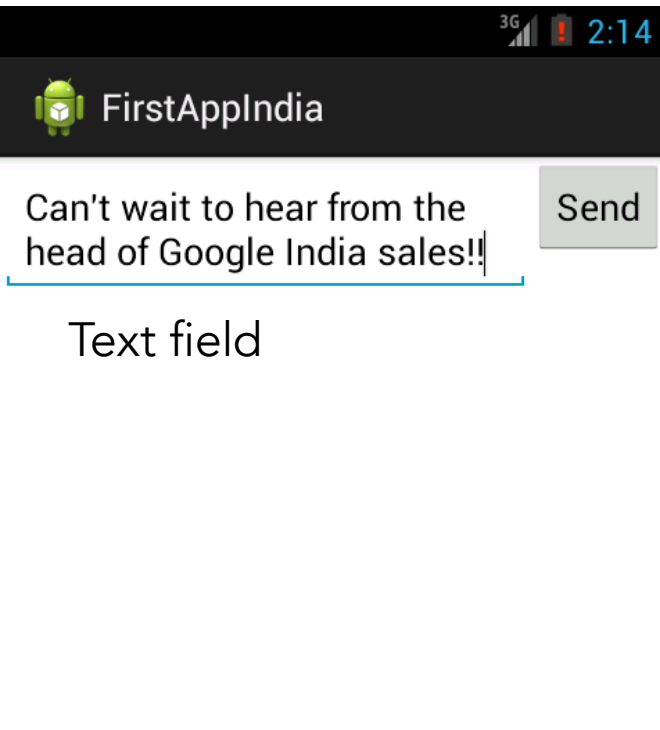
Button

Activity 1.xml:
- add button, give "directions" on what to do with a click event (name of a click event method that determines behavior)
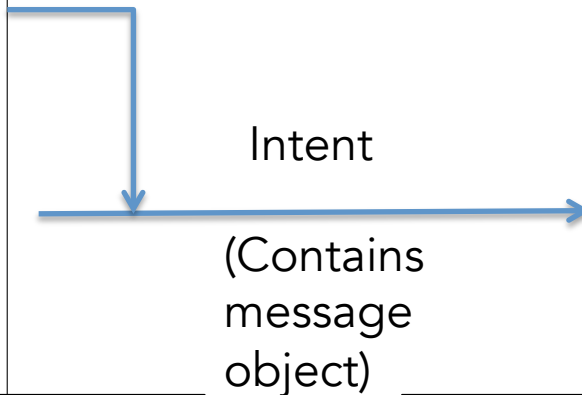
Activity 1.java:
- Contains our behavior function that came from the xml file
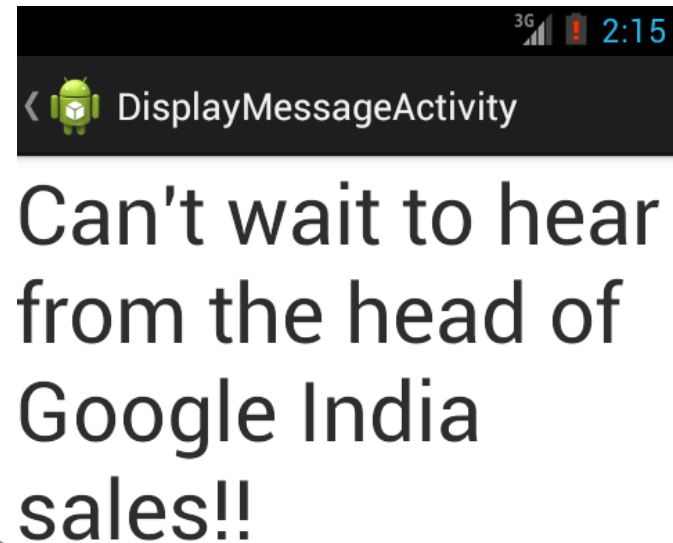
Tutorial Recap: Intent

Activity 1

Activity 2

	3G	2:14

FirstAppIndia

Can't wait to hear from the
head of Google India sales!!

Send

Text field

Button

Click Event

Intent

(Contains
message
object)

	3G	2:15

DisplayMessageActivity

Can't wait to hear from the head of Google India sales!!

Click Event Method (in Activity 1.java)
- Create the Intent Object
- Add the message to it
- Start the activity in the intent object (activity 2)

onCreate Method (in Activity 2.java)
- get the intent object
- get the message from the intent object
)

Lets Hack it!

- Add a slide bar on the second activity to go back to the first screen

- Put the send button under text box in the first activity

- Commit changes!

Other GUI Elements

- You can drag gui elements into your activity with the graphical layout in the activity.xml file

- See API Guides -> User Interface on Android developer website
  - http://developer.android.com/guide/topics/ui/index.html

Complete these Android Tutorials

Managing the Activity Lifecycle

Building a Dynamic UI with Fragments

Saving Data

- Commit changes to Git after each tutorial
- Help other students!!