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**Android Development for B...** **Additional Resources**

**LESSONS**

**Lesson 1A: Building La...** 15/15

- Introduction
- Preparing for the Journey A...
- Views
- Picking Views for YouTube A...
- Talking To Your Phone
- Using a TextView
- XML Syntax
- Change the TextView

### So Many Things to Explore in Android

As we near the end of this course, we sincerely hope you've enjoyed this wild, crazy ride in app development with us. You're probably already noticing that we've just covering the tip of the iceberg.

#### Advanced Resources and The Possibilities

In addition to all that we'll cover here, if you're wondering what other *possibilities* are for Android Apps, there is a lot of material explore. Much of it will require knowledge from the intermediate Developing Android Apps course, so these are considered pretty advanced resources.

What follow are some ideas for deeper dives:

**Do background operations** - Perhaps you want to create an app that does something, even when it's not visibly on the screen. For example, a music player application, that plays music as you so other things on your phone. Or a messaging application that pulls down the latest chats sent to you. For this, you'll need to learn more about [creating services](#).

**Store data on the device** - Does your app need any information saved between launches? Maybe you want to keep a history of all coffees bought with JustJava. To do this, you would need to save some data associated with the app. Check out the [google documentation](#) on data storage for your options.

**Create lists** - Many android apps that have long lists of items a user could click on - think of messages in an inbox or stories in a news feed. Learn to optimize the creation of these lists by using views such as the

**Android Development for B...** **Additional Resources**

- Setting Wrap Content
- TextView Text Size
- TextView Text Color
- Simple ImageView
- Documentation
- Chatting with Google's Kirill ...

**Lesson 1B: Building La...** 12/12

**Practice Set 1** 33/33

**Coffee Break Challenge...** 12/12

**Lesson 2A: Making an ...** 23/23

**Lesson 2B: Making an ...** 13/13

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Lesson 1B: Building La...12/12

Additional Resources

✓ ViewGroups

✓ Types Of ViewGroups

✓ LinearLayout

✓ Width and Height

✓ Evenly Spacing Out Children...

✓ Layout Weight

✓ Relative Layout

✓ Relative to Parent

✓ Relative to Other Views

✓ List Item with RelativeLayout

✓ Padding vs. Margin

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Lesson 1B: Building La...12/12

Additional Resources

✓ List Item with RelativeLayout

✓ Padding vs. Margin

✓ Chatting with Google's Kirill ...

Practice Set 133/33

Coffee Break Challenge...12/12

Lesson 2A: Making an ...23/23

Lesson 2B: Making an ...13/13

Practice Set 234/34

Lesson 3A: Object-Orie...23/23

Lesson 3B: Object-Orie...29/29

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Practice Set 133/33

Additional Resources

Search

Home

Checklist

Settings

Exit

✓ Welcome to Practice Set One

✓ The Installation Process

✓ Troubleshooting

✓ Install Java: Windows Guide

✓ Install Java: Mac Guide

✓ Install Android Studio

✓ Windows: Guide to Install A...

✓ Mac: Guide to Install Androi...

✓ Coffee Break Challenge

✓ Constraint Layout

✓ Go to Coffee Break Challenge

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Additional Resources

Search

Home

Checklist

Settings

Exit

✓ Hello World

✓ Hello World: Written Instruc...

✓ A Quick Tour of Android Stu...

✓ Running Hello World on You...

✓ Using the Emulator

✓ Create the Birthday Card App

✓ RelativeLayout LinearLayout

✓ The Drawable Folder

✓ Positioning

✓ Styling

✓ Make the Text Larger

✓ Setting the Font

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




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✓ Attributes for the ImageView

✓ How to Style the Image

✓ Minor Adjustments

✓ Recap

✓ Make your Own Card

✓ Intro to Study Break: Charit...

✓ Study Break: Charity Miles

✓ Great Work!



✓ Learn More On Your Own

Coffee Break Challenge... 12/12 ▾

Lesson 2A: Making an ... 23/23 ▾

Lesson 2B: Making an ... 12/12 ▾

< Additional Resources >



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✓ Coffee Break Challenge Intro

★ Quiz: Coffee Break Challeng...

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★ Quiz: Coffee Break Challeng...

★ Quiz: Coffee Break Challeng...

★ Quiz: Coffee Break Challeng...


★ Quiz: Coffee Break Challeng...

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★ Quiz: Coffee Break Challeng...

★ Quiz: Coffee Break Challeng...

< Coffee Break Challenge Intro >



## The Coffee Break Challenge.

This is the Coffee Break Challenge from Practice Set 1.

If you've already finished Practice Set 1, consider moving on to Lesson 2A

NEXT >

Lesson 2A: Making an ... 23/23

Introduction

Introduction

★ Quiz: Create a New Project

★ Quiz: Plan How to Build the ...

★ Quiz: Build Layout

★ Quiz: Do Something When T...

★ Quiz: Modifying First Lines o...

★ Quiz: Solving Math Problems

★ Quiz: Add TextViews for Price

★ Quiz: The Need for Variables

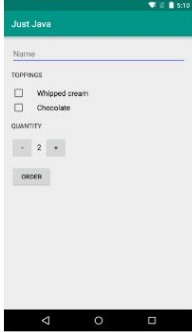
★ Quiz: Add Your First Variable

✓ Sometimes things don't go ...

Introduction

Welcome back! We're excited that you want to move onto the next step of learning Android.

By the end of this course, you'll be able to make an Android app with buttons and text fields that a user can interact with. Together we'll make the Just Java app, which allows a user to fill out a form to order coffee.



Just Java App

★ Quiz: Debugging a Crash

✓ Chatting with Google's Alice ...

★ Quiz: Hook Up Two Buttons

★ Quiz: Debug Mode in Andro...

★ Quiz: Update Data

★ Quiz: Update a Variable in T...

★ Quiz: Update Quantity Varia...

★ Quiz: Modify the Increment(...

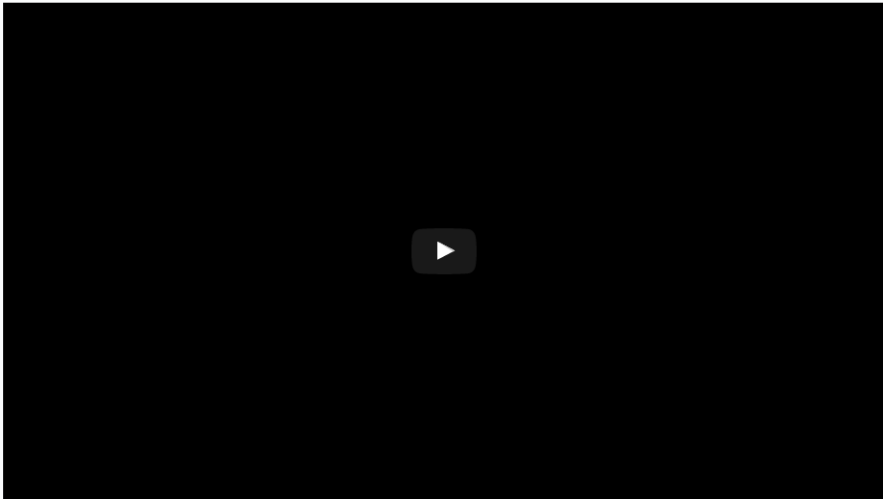
★ Quiz: Modify the decrement...

★ Quiz: Make the Quantity PIC...

★ Quiz: Fix the Order Button

★ Quiz: Reflection

Debugging a Crash



START QUIZ

https://classroom.udacity.com/courses/ud837/lessons/4028708680/concepts/478070510000728

Lesson 2B: Making an ... 13/13

Plan Layout for Quantity Picker

Q

★ Quiz: Plan Layout for Quanti...

✓ Nested ViewGroups

★ Quiz: View Hierarchy Diagra...

★ Quiz: Choosing the Right X...

★ Quiz: Build the Quantity Pic...

★ Quiz: String Data Type

★ Quiz: Create the String Varia...

★ Quiz: Combining Strings Tog...

★ Quiz: Combining String and ...

★ Quiz: Update the String Vari...

✓ Chatting with Google's Alice ...

Thank you for taking the time to reflect on what you've done so far.

START QUIZ

★ Quiz: String Data Type

★ Quiz: Create the String Varia...

★ Quiz: Combining Strings Tog...

★ Quiz: Combining String and ...

★ Quiz: Update the String Vari...

✓ Chatting with Google's Alice ...

✓ Congrats!

✓ Learn More on Your Own


Practice Set 2 34/34

Lesson 3A: Object-Orie... 23/23

Lesson 3B: Object-Orie... 29/29

Plan Layout for Quantity Picker

Q

QUANTITY  PICKER

you can go back to those people soon and share your progress.

Lightshy

Practice set 2

38/39

Introduction to Practice Set 2

Q

★ Quiz: Introduction to Practic...

✓ Experimenting with the Cod...

★ Quiz: Declare and Initialize

★ Quiz: Integer, Integer, Int

★ Quiz: currentlyPlaying Varia...

★ Quiz: Profile Name

★ Quiz: Using Variables

★ Quiz: Travel Times

★ Quiz: Shopping List

★ Quiz: Shopping List, Once M...

★ Quiz: Currency Conversion

Waiting for fox180-ftlscdn.com...

START QUIZ

0:00 / 0:42

CC

YouTube

Quiz: Email Directory

★ Quiz: Scope

★ Quiz: Cola Wars 1

★ Quiz: Cola Wars 2

★ Quiz: Cola Wars 3

★ Quiz: Healthy Living Intro

★ Quiz: Healthy Living

★ Quiz: Court Counter Intro

★ Quiz: The Stages

★ Quiz: Setting up the Methods


★ Quiz: Planning Your Variables

★ Quiz: Create the Score Varia...

Introduction to Practice Set 2

Q

Getting Set Up



So instead of potentially  
messing up your Just Java app.

Lesson 3A: Object-Oriented Programming

23/23

Quiz: Plan to Update Score

Quiz: Updating Score

Quiz: Update with the Other...

Quiz: Add the Other Team I...

Quiz: Add The Other Team ~...

Quiz: Plan to Add the Reset...

Quiz: Add the Reset Button

Quiz: Make it Pretty

Recap

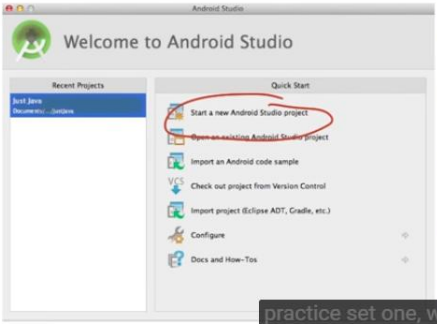
Intro to Study Break: PulseP...

Study Break: PulsePoint

Lesson 3A: Object-Oriented Programming

Introduction to Practice Set 2

Getting Set Up



☐ Application name: PracticeSet2

☐ Company Domain: android.example.com

☐ Minimum SDK: API 15

☐ Choose Blank Activity

☐ Accept Defaults and Done!

practice set one, where you set up the happy birthday project.

START QUIZ

Lesson 3A: Object-Oriented Programming

23/23

Intro

Quiz: Defining vs Calling a M...

Quiz: Calculate Price Method

Quiz: Define a Method

Quiz: Inputs to a Method

Quiz: Add or Remove Param...

Quiz: Output from a Method


Quiz: Use Return Value fro...

Quiz: Define and Call a Met...

Quiz: The displayMessage M...







Resources

Intro



0:01 / 2:34





✓ Resource IDs

✓ From XML to Java

✓ What Are Java Objects?

✓ What is a Java Class?

★ Quiz: Create an Object

✓ Call Methods on Object

★ Quiz: Practice Calling Object...

★ Quiz: Inheriting Behavior



✓ Find View by Id


★ Quiz: Casting with findViewById...

★ Quiz: Set Data on Views







★ Quiz: Read Data from Views

< Intro >





this is where we need to keep working on the coffee ordering app.



★ Quiz: Adding a CheckBox

★ Quiz: Boolean Data Type

★ Quiz: Update Order Summary

★ Quiz: Scrolling Along

★ Quiz: Add the Chocolate To...

✓ Intro to Imposter Syndrome

★ Quiz: Googlers' Montage



★ Quiz: What's Your Name?

★ Quiz: Conditional Code

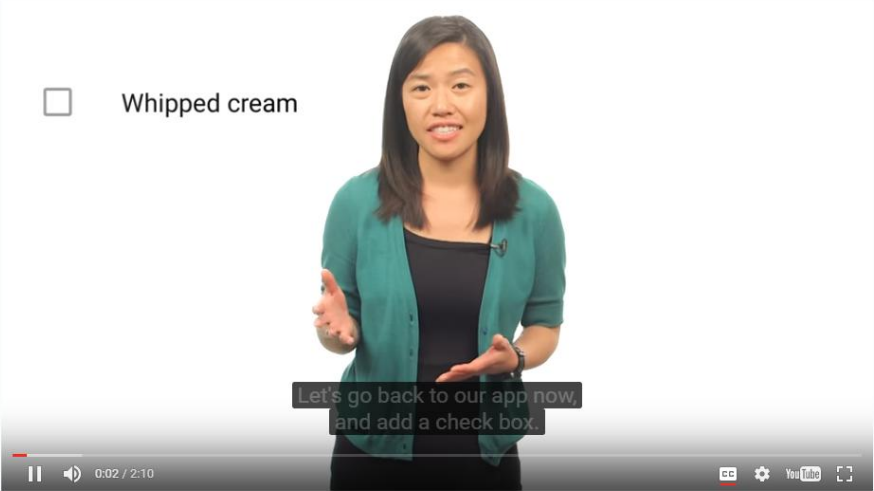
★ Quiz: Conditional Code (Em...

★ Quiz: Conditional Code (Sm...







< Adding a CheckBox >



☐ Whipped cream



Let's go back to our app now and add a check box.

0:02 / 2:10

- ★ Quiz: Conditional Code (Sm...
- ✓ Introduction to If/Else
- ★ Quiz: Syntax of If/Else
- ✓ Relational Operators
- ★ Quiz: Adjust Price With Top...
- ★ Quiz: Negative Cups of Coffee
- ✓ Let Someone Else Do the H...
- ★ Quiz: Practice With Intents
- ★ Quiz: Localization (OPTIONAL)
- ✓ Styles
- ★ Quiz: Styles
- ★ Quiz: Themes

## Introduction to If/Else

# CONTROL FLOW STATEMENTS

In the previous quiz questions,

0:01 / 5:06

- ★ Quiz: Localization (OPTIONAL)
- ✓ Styles
- ★ Quiz: Styles
- ★ Quiz: Themes
- ★ Quiz: Reflect on What You've...
- ✓ So Many Things to Explore L...
- ✓ Intro to Study Break: Peek V...
- ✓ Study Break: Peek Vision
- ✓ You're (Almost) Done!
- ✓ Congratulations!
- ✓ Additional Resources

## Congratulations!

Congratulations on finishing this Android Basics course!

### Just Java app

You can find the final code for the [Just Java](#) app on GitHub.

To learn more about java, check out the [Java Language tutorial](#) which we've referenced throughout this course.

If you'd like to build an app with even more features, read on!

### For Students Enrolled in the Free Course

For students enrolled in the free version of this course, you can enroll in the next course called [Android Basics: Multiple App Screens](#). You'll build an app that teaches vocabulary words from the language of the Native American Miwok tribe. Clicking on a word plays an audio file of the pronunciation.