

Android Dev Kotlin



CS 402: Mobile Development Michael Ziray - michaelziray@boisestate.edu

Overview

Michael Ziray (zuhr-ay or Z-Ray is cool too)

Developed over 40 mobile apps for iOS and Android - Largest producer in Idaho

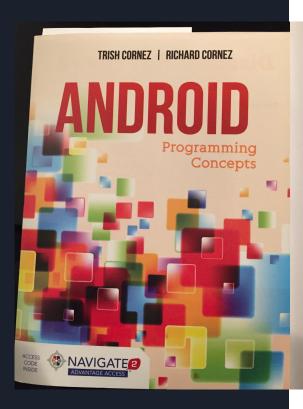
Acceptable names:

Mike

Mr. Ziray

If you must: Professor Z

Android Credits



We are thankful to Jordan Vega and Sam Marrs for many useful suggestions. We are indebted to Jim Bentley and Pani Chakrapani for giving us the opportunity to schedule several mobile programming classes that allowed us to classroom-test portions of our text. Jim Bentley was kind enough to offer department funds for devices for some of our students, who might not otherwise have been able to participate.

We would like to thank the following reviewers, who offered us indispensable pedagogical and content guidance for revision:

Sonia Arteaga Hartnell College

Jeremy Blum, DSc Associate Professor of Computer Science Penn State Harrisburg

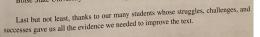
Georgia Brown, MS Instructor Northern Illinois University

George Dudas Instructor in Computer Science and Software Engineering Penn State Erie, The Behrend College

Shane Schartz Informatics Fort Hays State University

Robert Steinhoff, PhD Florida Memorial University

Michael Ziray Boise State University



Games!





Objectives

Develop Android-based mobile apps

Advise, consult and inform others (companies, peers, clients) on mobile app development

Sell and make money from your work

You will be an Android app developer

You will be able to apply your skills across multiple platforms (iOS, Windows Mobile, etc)

Huge demand for your skills

Stretch Goals

Start an LLC around your app

Learn about test driven development

Use code versioning software (Git)

Develop a bunch of apps (definitely) and make some money (maybe)

Expectations

Cellphone use in class is HIGHLY encouraged but only for class-related work

Projects are on time (-20 points after due date)

Projects function properly.

Code is quality (self documenting code, app is well designed)

You communicate!

Assessment

Project-based course

Final will be an app you conceive, develop and market

Grading will depend on:

How original is your idea

How well designed it is

How well it works

Market value

What You'll Need

Boise Public Library Card

Free Lynda.com Account through the Boise Public Library

Android Studio

GitLab Account

Git Client (Source Tree recommended)

ElectronicArmory.com

Homework

Install Android Studio

Sign up for a GitLab account.

Create your first repository and name it: [LastName]-2018-Spring

Add me to your repo as an Admin: MichaelZiray@BoiseState.edu

Download and install Source Tree (or a git client)

Create a simple Hello World app and commit and push(!!) the code to your GitLab repository