

## Java II

### :: Activity

#### Introduction to Java 2 (30m)

( Due: Thu, 08 Aug | Status: Not Completed )

Now that we have the basics of the Java language under our belt, we will explore some of the more advanced concepts and patterns the Java language provides to approaching Android application development.

#### Objectives & Outcomes

Upon completing this activity, the learner will be able to:

- Identify course objectives, general topics, and expectations for success in the course.

#### Level of Effort

This activity should take approximately 50m to complete. It will require:

- 45m Research
- 5m Prep & Delivery
- 0m Work

If you find that this activity takes you significantly less or more time than this estimate, please contact me for guidance.

#### Reading & Resources

[Video 1: Guidelines for Commenting Java Code and Installing the JAutodoc Plugin](#) (necessary) Approx. Duration: 5:43m

This video describes the benefits and best practices for commenting your Java code to meet the requirements of Java 1 assignments. It also walks you through how to install the JAutodoc Plugin.

[Video 2: JAutodoc Instructions](#) (necessary) Approx. Duration: 10:29m

This video shows how to set up autogenerated headers for your Java files. It also shows how to add your custom comments to the auto-generated javadoc comments. We recommend running Jautodoc and adding your custom comments just before you check your project into github.

#### Instructions

Now that we have a grasp on the Java language, we will begin to tackle application

development as a whole. Using Android as a vehicle, we will explore the concepts of data flow, efficiency, and structure. Utilizing past lessons, we will apply usability concepts on a mobile platform to the Android architecture to build functional mobile applications that can interact with the system, other applications, and internally with themselves.

The core concepts for the month include:

- Android Activities and Intents
- Activity interaction with the Android OS
- Application architecture and data flow
- Android Services
- Android Content Providers
- Utilizing 3rd Party Java libraries

### **Assignment Github Commit Requirements**

For Java 2 you will be required to submit a minimum of four commits in github to get full credit for your assignment. Your commits will be reviewed for significant software changes. Some general guidelines for commits are:

- Once a day, starting Monday
- Upon Project Creation
- Each time a .java file is added
- Each time a feature is working

### **Hangouts and Office Hours**

As always, you are encouraged to reach out to the instructor as early as possible in the week for assistance with concepts or questions regarding requirements. Remember, all late work is subject to the MDV late work policy.

Please email the instructor a link to your Google+ account for hangout sessions if you have not already done so in previous courses.

Office hours are posted as a best effort contract. Instructors are people and things happen. If your instuctor is not available during the posted iChat hours, please email them for assistance. See posted announcemnts for office hours and available. As always, instructors are expected to respond within 24 hours duing the week and 48 hours for holidays and weekends.

### **Deliverables**

There is no deliverable information associated with this activity