Advanced Android: Syllabus

January 14, 2020 / 6:00 PM - 6:30PM EST

Important Links

Workshop Hackpack

Pre-workshop checklist, and resources to explore during and after the workshop.

Hack the North 2020++ Event Schedule

Check this out to stay up-to-date on activities, workshops, and other key happenings this weekend.

Motivator

You can confidently work with any Android View component. The ones you don't know how to use you know where to look to learn. In this final part, I'll be teaching some common pitfalls you might experience and how to correctly solve them. The bulk of the workshop will be working with Kotlin coroutines and background tasks for network calls.

Prerequisite Knowledge

In order to get the most out of this workshop you should be comfortable with the following concepts:

- Basic Programming and network knowledge
- Android Studio installed and able to run applications
- Understanding of threads and callbacks
- Understanding of Git

Learning Outcomes

This is what you will walk away from the workshop able to do:

1. How to correctly use Kotlin coroutines
2. Working with Android LiveData
3. Understand common Android development issues

Timeline (30 minutes)

Time	Module	Description
2 min.	Intro	Who I am & the goal of this workshop
20 min.	Everything about coroutines and livedata	Whats a coroutine? Why are they important for Android? How do I use one? All that and more on how to work with threads.
5 min.	Common pitfalls	Commonly encountered issues for Android developers and how to solve them.
3 min.	Q&A and closing remarks	