



Android Boot Camp

Description

In this course, the student is going to learn the basic concepts to become a junior android developer, the learning includes an introduce to java, concepts of android architecture, beginner knowledges, components for build an entire applicattion and user interface components. The intermediate course is more complex includes material design, sqllite, processes in second plane, practice applications, google services and more. we hope that you learn a lot and become a new android developer.

The course will be limited to 16 people to good explanation and solve all student's questions.

Target people

The candidate should be proficient writing JAVA code.

Desirable

- Familiarity with JAVA and XML layout.
- Understanding of Software Development Patterns

Previous experience with Android is not required

Required Environment Setup

- Sign up for a [GitHub](#) account if you don't have one
- Install [Git](#)
- Setup Github Client <https://desktop.github.com/> or Source Tree <https://www.sourcetreeapp.com/>
- (Alternative) Setup SSH keys with you GitHub account following [these steps](#)
- When prompted for the **passphrase** field, leave it empty
- Install [Android Studio](#)
- Update SDK and Tools
<https://developer.android.com/studio/intro/update.html?hl=es-419>

Program Schedule

February 2017	Schedule	Duration
Monday	5:00 pm - 7:30 pm	2:30
Wednesday	5:00 am - 7:30 pm	2:30
Friday	5:00 pm - 7:30 pm	2:30
Monday	5:00 pm - 7:30 pm	2:30
Wednesday	5:00 pm - 7:30 pm	2:30
Friday	5:00 am - 7:30 pm	2:30
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Monday	5:00 pm - 7:30 pm	2:30
Total Duration		32 Hours

Strategy schedule

- At the end of the all classes, it will have a space of 30 minutes to solve all the questions.

CLASS 1:

- Introduction to JAVA (1 hour)
- Android Architecture and compile application (30 minutes)
- Android project structure (30 minutes)

CLASS 2:

- Introduction of XML Language (30 minutes)
- Use resources in Android (30 minutes)
- Use of strings (1 hour)

CLASS 3:

- Android components (1 hour)
- Comunicate by Intents (1 hour)

CLASS 4:

- Layout in Android (2 hour)

CLASS 5:

- Set up Layouts and Views in Android Studio(1 hour)
- Buttons (1 hour)

CLASS 6:

- EditText (2 hour)

CLASS 7:

- CheckBox (1 hour)
- RadioButton (1 hour)

CLASS 8:

- Fragments in Android (1 hour)
- Action Bar in Android (30 minutes)
- Themes and style in Android (30 minutes)

CLASS 9:

- ListView and adapters (1 hour)
- Floating Action Button (1 hour)

CLASS 10:

- Text input layout (1 hour)
- GridView (1 hour)

CLASS 11:

- Navigation Drawer (1 hour)
- Swipe Views (1 hour)

CLASS 12:

- Navigation Drawer (1 hour)
- Swipe Views (1 hour)

CLASS 13:

- Dialogs Android (2 hour)

CLASS 14:

- Android Preferences (1 hour)
- Patterns Master-Detail (1 hour)

CLASS 15:

- Custom Content Provider (1:30 hour)
- Content Provider with multiple tables (1 hour)

CLASS 16:

- Services in second plane (2 hours)

Resources

- Android
- [Android Api](#)
- [Android weekly](#)
- [Android awesome](#)
- Android Icon
- [Launcher icon generator](#)
- Java
- [Java Ya](#)
- XML
- [Tutorial XML](#)

Assistance Required

The participants must take at least 90% of the course, this is 30 hours.