



## 2016 Aptoide Summer Internship - Weekly Report 2 [July 25 – July 29]

**Project:** Aptoide Ad Monitor

**Trainee:** Dária Baikova

**Mentors:** Frederico Santinho & Diogo Carvalho

### Completed tasks during the week:

- Aptoide source code analysis:
  - Analyzing the ad flow using the Android Studio debug mode
  - Defining entry points in source code for the Ad Monitor;
- Planning the Ad Monitor
  - Defining the information that needs to be sent from the Aptoide project to the AdMonitor;
- Testing data transfer between apps & research about additional technologies to be used:
  - BroadcastReceiver & WakefulBroadcastReceiver classes
  - Research about Intents and Intent transfer between apps
  - Creating a small test app
  - Jackson ObjectMapper class: Converting Ad & MinimalAd objects to matching JSON constructs (easier to data transfer purposes)
  - Research about Realm Java: RealmObject class;
- Begin implementation:
  - Creating the AdMonitor app
  - Implementing entry points in the Aptoide Source code
  - Implementing a class to send information to the Ad Monitor
  - Implementing the WakefulBroadcastReceiver class in the AddMonitor
  - Implementing the Android Service class to handle action notifications
  - Beginning the interface implementation;

### Goals for next week:

- Continue this week's work:
  - Work on the logic behind the AdMonitor: finish the data transfer process
  - Implement the interaction between the Service and the user interface
  - Continue working on the user interface;