



2016 Summer Internship

Aptoide TV Hardware Detection



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Mentor: Gonçalo Ribeiro

Weekly Report
8 - 12 August

12 August/2016

Daily Reports

Monday - August 8th

- Redoing the Aptoide TV Channel recording demo.
- Writing a guide about hiding an app on launcher (to act as a SDK).
- Testing the previous guide with AptoideTV on a real TV and as a real test:
 - o Installing AptoideTV as a system app.
 - o Verifying that there is no launcher icon (effectively hidden).
 - o Testing AptoideTV API and verifying that it still works correctly.

Tuesday - August 9th

- Preparing usage stats library for integration:
 - o Redoing project structure for JCenter upload.
 - o Preparing for Travis CI automatic testing and automatic release to JCenter.
 - o Submitting to JCenter repo and waiting for JCenter team's approval.
 - o First library release.
 - o Creating detailed README.md for the library.

Wednesday – August 10th

- Further development of usage stats library by adding output filtering:
 - o JCenter release, README.md update and build testing.
- Integrated the library with AptoideTV successfully and verified with mentor.
- In depth research about the new proposed project: TV Remote
 - It was concluded that this was not possible for a variety of reasons.

Thursday - August 11th

- Exploring and researching about the feasibility of new proposed projects:
 - Sideloading AptoideTV for easier installation: Seems to be not possible at the moment because of system restrictions.

- Remote APK Installation: Seems very possible!
- Researching and creating initial test with Nearby API for Remote APK Installation
- Initial attempt at integrating with AptoideTV.

Friday - August 12th

- Continuing to integrate Nearby API with AptoideTV.
 - Updating Google Services dependencies and libraries.
 - Successfully integrated Nearby Messages API with Aptoide TV.
- Initial research about Nearby Connection API for more user control.
- Elaboration of weekly report.

Notes / Brainstorming

- Usage Stats Library is now fully integrated with AptoideTV.
- Nearby Messages API may not be ideal because we can't choose what device we're targeting (it's essentially a broadcast). As we want to be specific and we want to know if our message was received, more research is needed. Specifically about Nearby Connections API.