



2016 Summer Internship

Aptoide TV Hardware Detection



Intern: Francisco Aleixo

Mentor: Gonçalo Ribeiro

Weekly Report
25 - 29 July

29 July/2016

Daily Reports

Monday - July 25th

- Further development of final presentation (Aptoide TV Hardware Detection).
- Initial research about new subject (Google Cast APK Installation).
- Initial development of a Google Cast Sender Android application.
- Setting up workspace for AptoideTV project, in order to start integrating Hardware Detection library for demo.

Tuesday - July 26th

- Long process of uploading the library to JCenter/Maven (via Bintray).
 - o Setup and library upload.
 - o Fixing library structure.
 - o Automating bintray upload after Travis-CI success build/test run (if it's a new release).
 - o Waiting for JCenter/Maven team approval.

Wednesday - July 27th

- Setting up AptoideTV project for integration purposes.
- Integration of library to AptoideTV.
- Recording integration on video for final presentation demo.
- JCenter and Maven has approved the library.

Thursday - July 28th

- Further research about Google Cast APK installation viability.
- Elaboration of a short technical document overviewing the features and limitations of this technology at the present state (see https://docs.google.com/document/d/1xLTjUQgmv4rOd01CcHiylmmIHD4MWo1siuyQM_wCuFk)

Friday - July 29th

- Initial research about Google Auto and voice commands associated with it.
- Researching about Voice Recognition independent APIs.
- Researching and testing AndroidTV Channels.
- Finishing report of the week.

Notes / Brainstorming

- Aptoide TV Hardware Detection is officially done. Only final presentation tweaks and minor changes are left.
- Google Cast APK transmission from mobile to TV appears to not be possible whatsoever (see elaborated document).
- Google Auto seems a very restricted technology for the moment since it only supports two types of apps: audio playback apps and messaging apps. This mainly means that Aptoide Auto doesn't look very viable at all.