



Aptoide 2017 Summer Internship

Weekly report 1: Jun 10 - Jun 15

Project: Translations on demand

Intern: Válter Santos

Coordinator: Ana Lara Simões

Co-Coordinator: Diogo Loureiro

Completed tasks:

- Met coordinator and learned more about the project.
- Researched about how resources in android work.
- Researched about the android structure.
- First solution was to modify the resources.arsc file after compile, discovered that this doesn't work due to META-INF checksums.
- Saw a recommended video from coordinator about Facebook's android app scaling, learned how they dealt with the same problem (translations on demand).
- Started a prototype as proof of concept by using the same idea from the video (create a custom resources class that extends resources).
- Created a custom view class that changes text after inflation, which isn't optimal as the objective is for the view to get the text from the custom resources while it's being created, this will be researched more thoroughly next week.

Next week:

- Have a normal TextView get it's text from the custom resource class.
- Create a values directory with a strings.xml that represents another country's language and make the custom resources obtain the information present in that directory if the user's phone is of a different language than the present translations in the prototype app.