



BA/SA/Group:

Smartphone App Profiling



Everybody knows the situation: You need a new smartphone app for a certain task but when you have a look at the app store, there are a lot of different apps serving this purpose. Of course you could use the ratings and download figures to make your choice, but quite often those ratings do not really tell you what you want, because they are either subjective (only users that like the app actually rate it) or too scarce to be representative (users quite often do not rate apps at all).

The idea of this thesis is to develop a system that solves this problem by automatically generating ratings of installed apps without requiring direct user input. Whenever a user installs several apps for the same purpose, the

system should discover this event (it is already a challenging problem how to find out that two apps serve the same purpose), and then monitor the currently running apps in order to derive which apps are actually used and which ones remain dormant. Based on this, one can then generate implicit relative ratings for these apps (A better than B, C worse than D, ...) that should help other users to make similar decisions based on more reliable grounds.

Requirements: Creative thinking, advanced programming skills, the determination to put your ideas into action, and the ability to work independently are necessary to work on this topic successfully. Android programming knowledge is helpful but not mandatory.

Interested? Please contact us for more details!

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