

For the course Computer Science: Exercises I will implement a battery manager app for Android systems. Basically, the core work of the app will be monitoring if a background application is consuming too much power on the base of the average consumption of the other apps, then it will provide the user with options about what to do with that app: close it or not. Of course, monitoring activity will only affect non-system applications. This activity will be supported by notifications.

I would also like to add at least these other two features:

- 1) The app will show how long the battery will last before the device shut off on the base of the current power consumption.
- 2) The average consumption of the apps will be shown and the user will be allowed to set a maximum threshold of power consumption for non-system applications before they are automatically suspended, as a kind of battery save mode.

For the implementation I will use the IDE Android Studio with Java as the programming language.