Quantified Student

Attendance prototyping

Thijmen Brand (480490)



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# Version History

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# Introduction

One important data source within the quantified student dashboard the attendance. This can be a valuable and meaning full source. We have already researched in which ways we can gather this data and the result of this paper was that it was easiest to poll the location of a phone and compare that to a radius within a school building. In document will outline the prototype process of this feature.

# Prototype objectives

For this prototype we want to find out if what we had researched and in mind does actually work. It has to work always in the condition that the phone’s location setting is turned on and the application has access to this setting. Then it has to save the users’ attendance status every 30 minutes accurately.

## Plan

a react native application will be made because it is easy and works fast. Then a background service will be made which periodically polls the users’ location. Then if this location is inside a set circle attendance status will be true, else it will be false. This data then is saved on the device in order to test it over a longer period.

# Conclusion