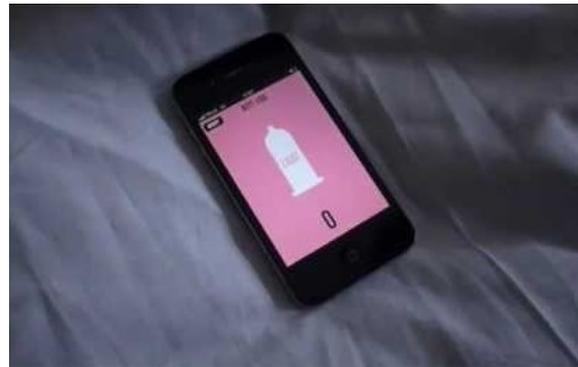Prof. R. Wattenhofer

BA/MA/SA/Group/Lab:

A Smart Situational Reminder

Every day we have to remember hundreds of small things. Taking out the wastepaper, grabbing keys before leaving the house, packing the self made lunch our husband made especially for today, being at a meeting, sending greetings from our parents to our neighbors, wishing happy birthday to a coworker, buying condoms when passing by a pharmacy, telling our boss about the phone call from yesterday, thanking our friends for their post card and finally not to forget to buy the toilet paper which already run out last week. Everyone has their own little tricks to remember, but after a hectic day it still happens frustratingly often, that one sits on the toilet, wondering how one could forget to buy the toilet paper again.

One of the most popular tools in the fight forgetfulness is the smartphone. It accompanies us during the day and is a helpful automatic reminder of meeting times and places. Most of nowadays calendars have a reminder function, friendly reminding us of the upcoming meeting and if we know in advance we will meet uncle Tobias, we can set a reminder to not forget to ask him about his latest cooking course.

Unfortunately neither the calendar nor the reminder help us to remember to mention the newly born of Jack when we accidentally run into him in the tram. Wouldn't it be nice to have our smartphone reminding us to congratulate our boyfriend on his birthday immediately when he enters the room? We want to address the problem of reminders that are dependent on our surroundings rather than time, by implementing a situation aware reminder on smartphones. We don't want to be reminded everyday that we still owe Sahra a beer, but if we bump into her, our smartphone should tell us not to forget to invite her for a drink.

Requirements: Good programming skills (preferably in Java) are required. Some creativity and experience in Android programming are advantageous. The student(s) should be able to work independently on this topic

Interested? Please contact us for more details!

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