

## Exercise 5 – Praktikum Mobile Productivity

### Developing Scenarios (Single/Group Work)

This exercise consists of two parts. It is semi single and semi group work.

**Part 1 (single):** Create at least one scenario for a mobile application that supports the daily work of a blue collar worker. The scenario should focus on one specific group of persons (e.g. policemen).

Each student must check-in his/her own solution for this part to his/her personal SVN folder by **Monday, November 13<sup>th</sup>, 12 p.m.** Create a sub-folder called *excercise5* and put your files in it. The solution should contain a narrative description of the scenario(s).

**Part 2 (group):** Present the scenario(s) to your group and then pick one of them as your group's scenario. If it seems useful you can also decide to create a totally new scenario during the teamwork.

**Be careful:** this will be the scenario you will have to implement.

Each group has to present their scenario on **Tuesday, November 14<sup>th</sup>** in the lecture meeting. Each presentation should be held by one person only and be about 15 – 20 minutes. PowerPoint slides or equivalent are required.

## Appendix 5.1 – Available Hardware and Mobile Interactions

This is the list of hardware devices with sensors, available at our lab. These should be considered when designing the scenarios.

- 2x Bluetooth GPS Receiver
- Bluetooth RFID Reader (IDBlue) [1]
- NFC Reader (Nokia 3220)
- Visual Codes [2]
- Semacode [3]
- Alive Heart Monitor (Bluetooth ECG and Acceleration sensor) [4]

## Appendix 5.2 – Brainstorming techniques

It's up to you how you generate your ideas. Classic Brainstorming [5] is, of course, an appropriate way. If you like to try something funny you may want to use the method of the Six Thinking Hats [6][7].

## Resources

- [1] [http://www.baracoda.com/baracoda/products/p\\_21.html](http://www.baracoda.com/baracoda/products/p_21.html)
- [2] <http://www.inf.ethz.ch/personal/rohs/visualcodes/>
- [3] <http://semacode.org/>
- [4] <http://www.alivetec.com/products.htm>
- [5] [http://www.mycoted.com/Classic\\_Brainstorming](http://www.mycoted.com/Classic_Brainstorming)
- [6] [http://www.mycoted.com/Six\\_Thinking\\_Hats](http://www.mycoted.com/Six_Thinking_Hats)
- [7] <http://www.debonogroup.com/6hats.htm>