Lecture Mobile Computing, fall term 2020
Android Programming Project (APP) – Final project report

Group name:

Group members:

Instructions
- Please answer the questions reported in the following two pages using the foreseen text boxes.
- Do not change the format, font size or any other elements of this template.
- Be concise and precise.
- Do not exceed the given limit of maximal number of characters. The given limits are intended including white spaces (e.g., the sentence "*This is a nice sentence*" contains 23 characters).
- "The app" mentioned in the questions refers to the Android-based application that you develop in the context of the Mobile and Wearable Computing class.
- Once compiled, please upload the document on iCorsi.
- The deadline for sending the document is Thursday, December 10[1], 2020, 19:00 CEST
- If you have questions: post your question(s) in the iCorsi forum or e-mail elena.di.lascio@usi.ch and shkurta.gashi@usi.ch.

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[1] Since the final project report template was available in iCorsi only on December 7, we will accept submissions oft he compiled final project report also until December 18.

1. **What is the name of your app?**

2. **Which problem does the app solve?** (Max. 200 characters)

3. **How does your app solve this problem?** (Max. 650 characters)

4. **Why is this problem relevant?** (Max. 300 characters)

5. **Do other apps exist to solve this (or a very similar) problem?**

   Yes [X]   No [ ]

6. **If you answered *yes* to question 5, list the existing apps that are most related to yours and explain how these solutions differ from your own. If you answered *no* to question 5, explain why do you think nobody else has solved this problem before.** (Max. 650 characters)

7. **Which of the built-in sensors of your phone does the app make use of?** (Max. 200 char.)

8. **Which of the built-in actuators of your phone does the app make use of?** (Max. 200 char.)

9. **Does your app store sensor data locally, remotely, or in both ways?**

   Locally [ ]   Remotely [ ]   Both [X]

10. **Motivate your answer to question 9 (i.e., explain why your app stores data and why it does so only locally/remotely or in both ways).** (Max. 650 characters)

11. **Which type of data visualization your app offers and why. If you answered *no* to question 11, explain why data visualization is not necessary for your app.** (Max. 650 characters)

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12. **Does your app perform any type of data processing on the collected sensor data?**

    Yes [X]   No [ ]

13. **If you answered *yes* to question 13 explain which type of data processing your app performs on the collected data and why. If you answered *no* to question 13 explain why data processing is not necessary for your app.** (Max. 650 characters)

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14. **How do you evaluate whether your app performs correctly and achieves its goal (i.e., solves the problem described in question 2)?** (Max. 650 characters)

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15. **Which permissions does your app require to be granted by the user?** (Max. 200 characters)

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16. **Does the app raise any ethical issues?**

    Yes [ ]   No [X]

17. **Motivate your answer to question 16** (Max. 300 char.)

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18. **Indicate how each member of the group contributed to the App. Provide the name of the member, his/her main task (UI, database, data processing) and the parts of the code he/she wrote.** (Max. 650 characters)

19. **What are the main challenges you had to cope with in order to build your app and how did you manage to overcome them? Please also describe "failed attempts", i.e., ideas and solutions you might have explored but did not bring to the expected result.** (Max. 1 page)