

Mobile and Wearable Computing

Assignment 03 – Sensors, data storage and visualization

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Lugano, October 25, 2024

Assignment 03

- Deadline
 - Wednesday, October 30, 23:59pm (Lugano time)
- Submission
 - One PDF file containing the following
 - Link to the GitHub repository
 - Screenshots of the modified parts of the UI
 - Uploaded in iCorsi by the deadline

The PDF file

- One (1) PDF file with all your answers
- The PDF must contain
 - Your name
 - Link to the GitHub repository
 - Screenshots of the modified parts of the UI
- The name of the PDF file should be:
YourName_YourSurname_Assignment02.pdf
- How you create the PDF file is up to you
 - Using a text editor is highly recommended
 - The TA will not correct poorly readable files!
 - E.g., low-quality pictures are poorly readable!



Exercise 1 – Data storage and visualization

- Complete all the steps of tutorial T05 (data visualization) to be able to do the assignment.
- Add new fragment called “Day”
- In Day Fragment (DayFragment.java and fragment_day.xml) create a bar chart that shows the number of steps by date for the last week.
- You can follow the steps of T05 to do that. In particular:
 1. Create chart view in XML using the AnyChart library.
 2. Implement a method to retrieve the number of steps by date from the SQLite stepapp database.
 3. Create Column chart in Java using AnyChart library API.

