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## Android Workout

Working out and doing sports is probably one of the most favorite pastimes for all ages. Special electronic equipment exists that aids in doing exercises, but these items can be costly and only serve a special use, meaning that few people will consider owning them. Smartphones on the other hand are well distributed among the populace, with many phones having a magnitude of sensors at hand.



Current applications however do not use these sensors to measure data about the person itself – they just measure the (changing) location of the phone, for example to generate a track on a map. Other so-called workout applications tell the user how to exercise or might even show educational videos, but (non-geographical) data about the workout has to be gathered by the user.

Why not use the sensors of a modern smartphone to track the workout automatically? The phone could even give hints to improve your technique. Maybe you also have your own cool ideas regarding this topic.

**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?** Come to our office for coffee and a small chat or contact us by email/phone.

### Contact

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