

App-Development for Android

Write a file

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Accelerations

- Create a new class Acceleration
- Attributes
 - timestamp
 - ax
 - ay
 - az
- Constructor, with the possibility to pass values for these attribute
- toString method, that converts an acceleration object into a String

Store accelerations in a List

- An ArrayList for the storage of measured accelerations
- in onSensorChanged storage of the acceleration values into an object of type acceleration
- Add this acceleration to the ArrayList

MainActivity

- **new attributes**

- `private static File[] external_AND_removable_storage;`
- `private static File datei;`

- **Before writing to a file**

- `File[] external_AND_removable_storage =
getExternalFilesDirs(Environment.DIRECTORY_DOCUMENTS);`
- **when the ArrayList with accelerations is not empty**
 - `File datei = new File(external_AND_removable_storage[1].getPath() +
"/testfile.txt");`
 - `FileWriter osw = null;`

File for writing

- in a Try-Catch-Block

- `osw = new FileWriter(datei);`

- in another Try-Catch-Block

- `for (Acceleration a : AccelerationList) {
osw.write(a.toString() + "\n"); }`

- in a last Try-Catch-Block

- `osw.close();`

}