

## Task 3 - Readme

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This document provides instructions on how to install and run the Android app on your Android smartphone.

### Installation Steps:

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1. Ensure that your Android smartphone meets the following requirements:
  - Android OS version: minimum Android 9
  - Sufficient storage space for the app installation - 50 MB
2. Transfer the "Task3.apk" file to your Android smartphone using one of the following methods:
  - Connect your smartphone to your computer via USB and copy the APK file to the device.
  - Upload the APK file to a cloud storage service (e.g., Google Drive) and download it on your smartphone.
3. On your Android smartphone, locate the "Task3.apk" file using a file manager.
4. Tap on the "Task3.apk" file to start the installation process.
5. Follow the on-screen instructions to complete the installation.

### Running the App:

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1. Locate the installed "Task 3" app on your Android smartphone.
2. Tap on the app icon to launch it.
3. Grant any necessary permissions that the app requests.
4. Hold your smartphone firmly and ensure it is not obstructed.
5. The app will start measuring the current acceleration in three axes (X, Y, Z) using the smartphone's IMU sensor.
6. The measured acceleration values will be displayed on the screen in real-time.
7. You can observe and monitor the acceleration values as you move or tilt your smartphone.
8. To exit the app, press the back or home button on your Android smartphone.

### Note:

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- If your Android smartphone does not have an IMU sensor or does not support accelerometer functionality, the app may not work properly or display accurate values.