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|  | 7-2 Project Three Inventory Control Application |
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|  | Aakash Joshi  CS-360-Mobile Architect and Programming  10/6/23 |

**Inventory Control Application**

Additional applications that use these sensors through the SensorManager encompass barometers and heart rate monitors. An application designed to detect atmospheric pressure, known as a barometer application, would use the barometer sensor via the SensorManager. This sensor enables the program to anticipate short-term weather changes. The heart rate monitor application utilizes the heart rate sensor by means of the SensorManager in order to ascertain the heart rate of the user. This instrument has significant importance in the realms of physical fitness and competitive activities. These aforementioned applications exemplify a subset of the functionalities offered by the SensorManager.

The development of this application aimed to ensure compatibility and optimal performance on smartphones running Android 11 and subsequent versions. The program will possess the discretionary authorization to transmit a notice to the user, inquiring about the potential utilization of the camera for barcode scanning purposes in forthcoming updates. I do not currently have any plans to generate revenue from the application. However, if necessary, there are potential avenues for monetization, such as selling group licenses to companies or providing the program for free in the app store with the inclusion of banner advertisements for personal use.

# References

Android. (2022, 04 17). *Android*. Retrieved from Android 11: https://www.android.com/android-11/

*Core App Quality*. (2021, 03 17). Retrieved from developer.android.com: https://developer.android.com/docs/quality-guidelines/core-app-quality