

# The Health Data Tracker Mobile Application

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## **Description:**

As the name suggests, this mobile application provides functionality to input, and track health data such as blood pressure, pulse, sugar level, cholesterol, weight, height (for infants / kids), or any other data that the user wishes to track. The user would be able to add or delete the types of data she wishes to input / track. The application would alert (email, pop-up, beep, etc.) its users based on settings specific to each type. Data charts for each data type could be visualized and also emailed out if needed.

## **Platform:**

Android Tablet (Honeycomb 3.1 or later)

Android Phone (Gingerbread 2.3 or later)

## **Health data on Mobile Devices:**

Mobile devices are getting more and more powerful and widespread. Hence there is tremendous improvement in what they can do for their owners. This application is an effort to address the need to track and issue alerts on health data the user chooses to input. Health information is usually private and hence rigorous security mechanisms should be in place in order to prevent data from being stolen or compromised. Also the process of development, along with verification and validation data for the application should be recorded and maintained (based on FDA's guidelines for medical devices)

## **Benefits and Experience:**

- i. Students will get hands-on experience working on the latest trend in computing - mobile application development
- ii. Students will also get an opportunity to work on Google App Engine - A cloud-based application development platform
- iii. Students will benefit working with a company that is one of the earliest adopters of mobile platform for medical devices
- iv. Students will have gained experience writing apps and releasing them in Android Marketplace, at the end of development.
- v. Students will have access to an Android Tablet computer for developing / testing / deploying the app.

## **Closing Statement:**

Mobile applications are going to play a much more important role in our daily lives. Developing for this platform is both fun and filled with learning. Students who elect to take this project will gain experience in building, testing, and releasing mobile apps to android marketplace. I invite interested students with background in Java to benefit from this unique opportunity.