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Mobile and Wireless Health

Hello World Assignment Write Up

My project was to simulate data from an accelerometer in a phone. The accelerometer measures the forces that the phone is experience. This can be used to see if a user is moving. With this an application developer can create and app that measures the amount of time a person spends immobile or exercising. First, I created a user interface with a text input and a submit button. A user can input any numerical value they choose to represent the acceleration that the phone is experiencing. If the value is under 0.2 the application returns "Hello", otherwise it returns "World". After receiving the value, the application connects to an external database to store the value given by the user and the corresponding string output value. This is done with an AsyncTask class that is executed when the submit button is clicked. To store the value, the application takes the values, appends it to a url that is linked to a PHP script and stored in a database that is hosted by a third party.