Business Requirements Document: LiteByte Mobile App

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The following document will provide details regarding the user, system, and functional expectations which the Lytebite mobile application must meet to achieve project goals. I will begin with the functional requirements.

**Functional Requirements:**

* Application will record number of steps taken, calculate average calories burnt, monitor sleep cycles, include a food database (user created) to watch nutrition values, and heart rate.
* The application will offer notifications for water alert, get up and move alert, and low battery life.
* User will be able to input age, weight, and other relevant information via mobile application to create a user profile.
* The user will be able to track a variety of types of workouts including: walking, running, swimming, hiking, and biking.
* The application will offer speed tracking, elevation tracking, average speed, miles, and kilometers for any of the chosen workouts (if applicable).
* The application will include a rewards system that rewards healthy and consistent workout routines.

**System Requirements:**

* Application must be compatible with Android current supported operating systems (Lolopop 5.0-5.1.1, Marshmallow 6.0-6.0.1, Nougat 7.0-7.1.2, Oreo 8.0-8.1)
* User Interface must have thumb print/pin code authentication
* The mobile application will offer Bluetooth capabilities to interface with device.