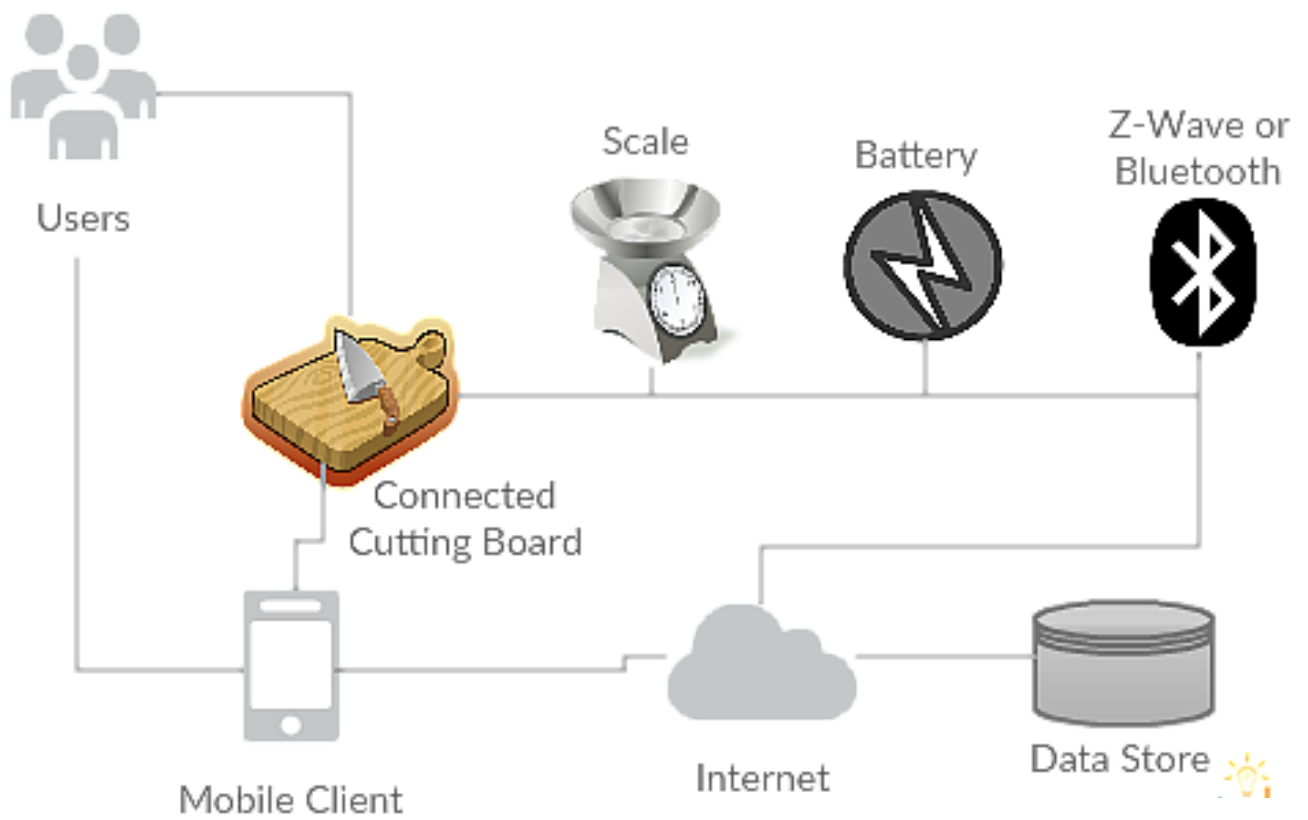


# TECHNOLOGICAL INFRASTRUCTURE



## The Chopping Board

### Structure

An interchangeable cutting surface will attach to a base that contains and protect all the digital components.

### Sensor and Battery

There is an electronic scale embedded in the chopping board which can weigh and measure the food users put on it. There is a battery embedded in the chopping board.

### Connectivity

The device has the ability to receive a wireless signal so that data can be communicated between the chopping board and the mobile app.



## The App

### Data Entry

Data entry is designed to be as automated as possible. Thus, the default entry option on the app itself is through voice recognition. There are also options of typing and image recognition.

### Database

Data collected by the scale is connected to a mobile app where portion and nutrition information is calculated based on USDA Food Composition Database and AllRecipe.com database.

### Interoperability

The app is designed to be able to export data as a spreadsheet so that users can give their diet data to nutritionist and physicians. The advanced version in the future can also be synchronized with other diet data and health data apps.