[FITBAND-4] Data collection

Created: 12/Jun/14 10:38 PM - Updated: 01/Jul/19 1:41 PM

Status:	Under development
Project:	Fitband App

Type:	Epic	**Priority:**	High
Reporter:	Levente Szabo	**Assignee:**	Owen Klyed
Resolution:	Unresolved		

Field Tab

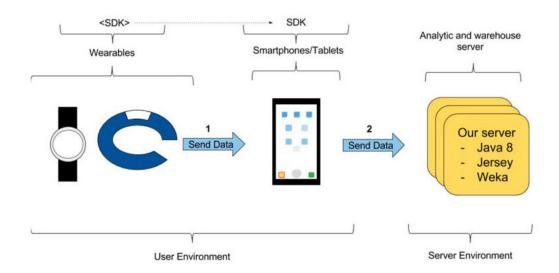|	
Epic Name:	Data collection
Team:	Sensors Team
Original story points:	91
Parent Link:	FITBAND-503 Tracking training data
Target start:	11/Jun/19
Target end:	05/Oct/19

Description

Wearable Data Transfer — Indirect Access

The data collection and transfer from the wearable to a third-party system can be performed using an app in an intermediate smartphone.

This figure below shows the way in which data can be transferred through the device (link 1) and the app (link 2).

- Link 1. An app in a smartphone can collect data from a wearable. To do so, a native app running in the smartphone subscribes as a listener to events in wearable sensors. The wearable periodically notifies new data and the smartphone collects it. In all cases where we have studied this transfer, it is performed using Bluetooth.

- Link 2. An app in a smartphone sends data to a server. Periodically, a native app running in the smartphone checks the availability of an Internet connection. When the connection is available, the app sends the data collected to the server. The smartphone app stores the data collected from the wearables while the Internet connection is not available.