

# HEALTH CARE

## CASE STUDY – CLOUD BODY

**Cloudbody - Healthcare** **ROW**  
DIGITAL.CLOUD.MOBILITY

**Self-Service RockPort Test**

**Food and Activity Diary**

**Diary Display Overview Week View and Daily view Profile Notes**

**Activity Registration**

**Freemium Diagnosis Tests**

**Weight Loss Activities**

**High Performance Training Activities**

**Enterprise Health and Productivity**

Cloudbody is smart way to health. Cloudbody has the algorithms and the analysis power that you need to learn what is possible for you, take the right actions, monitor the effect and plan the next steps.

### 1.1. ABOUT CLIENT

- Cloudbody is a platform born from an association between the developed expertise of Dr. Denis Boucher and Francois Ruel who built as a team series of human performance measurement algorithms, and Nicolas Genest, a successful Silicon Valley executive obsessed with democratizing preventive healthcare by bringing pervasive wellness and fitness to the masses.
- Cloudbody encapsulates several algorithms to evaluate an individual's physical condition and the platform is an attempt to expose Health as a Service and Fitness as a Service.
- Cloudbody provides critical abstraction layer between the raw data that people have started gathering about their health condition using their phones and other wearable technologies and their understanding of what needs to be done to reach wellness and fitness aspirations.

## 1.2. PRODUCT INFORMATION

Cloudbody is an iPhone and Android application which acts as a data aggregator from various sources and provide preventive healthcare diagnosis. It helps masses to achieve their fitness goals using the partnership between science and technology.

The application provides following test modules:

1. Self-Service Rockport Test
2. Self-Service VO<sub>2</sub>Max Indoor Running Test
3. Self-Service VO<sub>2</sub>Max Indoor Biking Test
4. Self-Service Running Pattern Analysis
5. Self-Service Exercising Pattern Analysis

Along with above tests various other features are part of the application, which further includes:

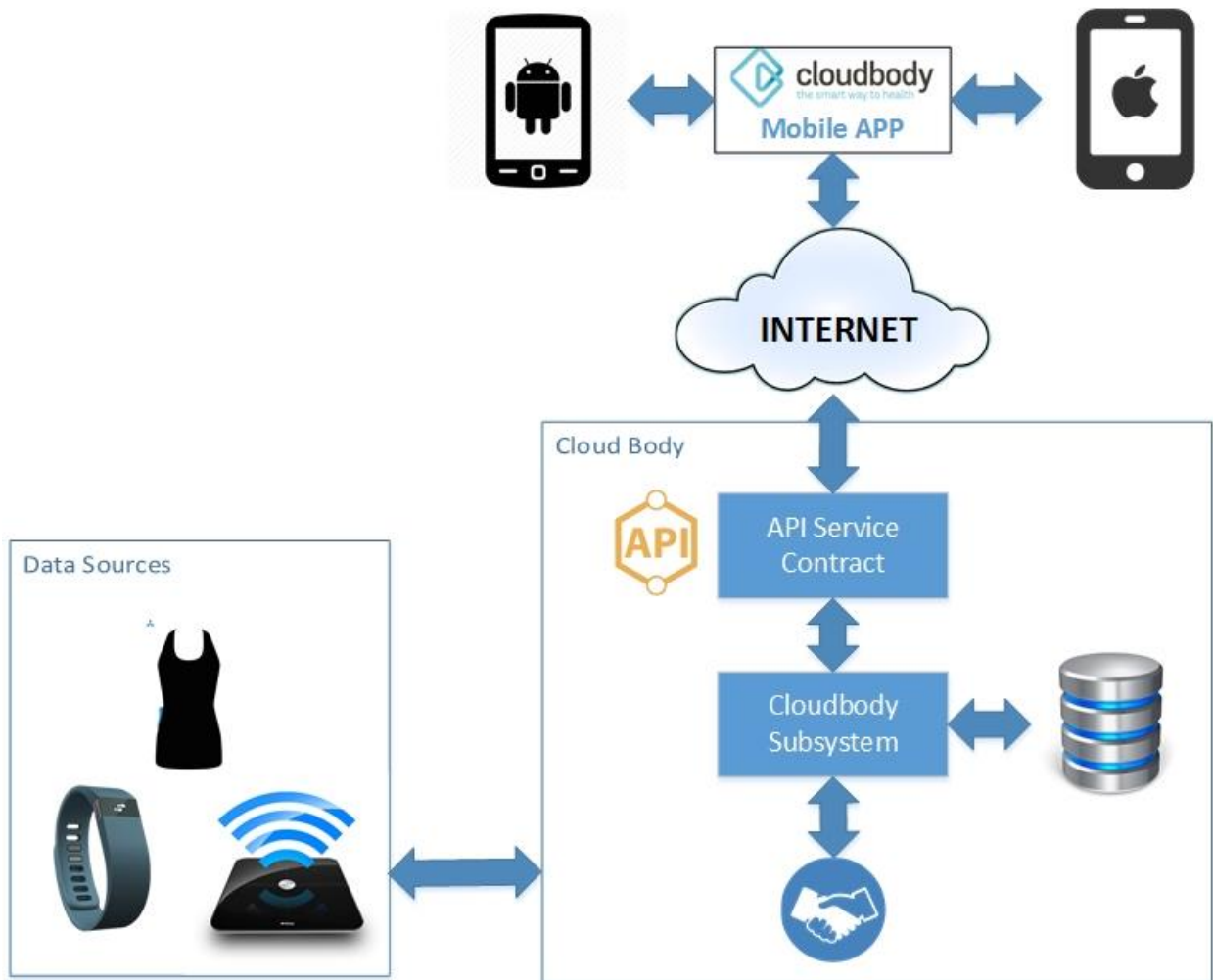
1. Food Diary
2. Goals and notes management
3. Questionnaires
4. Accessing various subscriptions and plans
5. Activity graphs
6. Food search and barcode read module

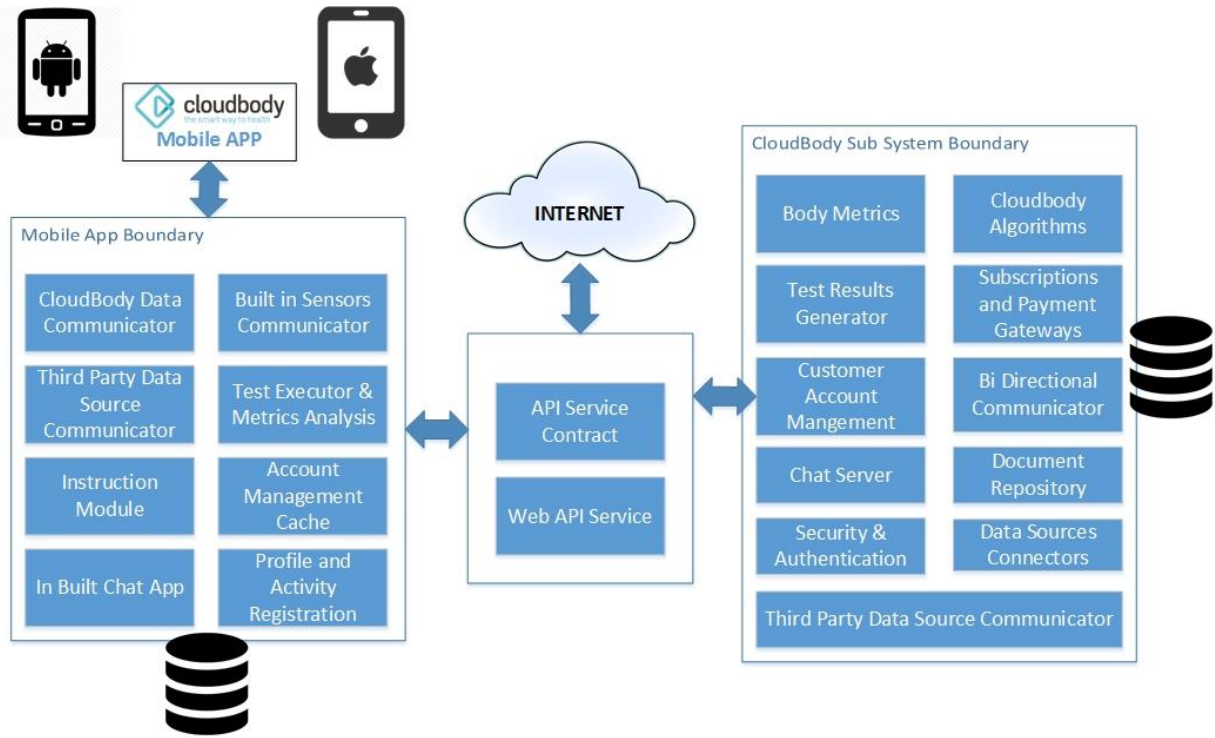
## 1.3. RETURN ON WEB CONTRIBUTION AND WORK PROFILE

Return on web has contributed in following manner

1. Took complete ownership of the product and analysis of requirement documentation
2. Identify and understanding of existing root modules and create pilot project on top of them.
3. Create new project on exposing end points to be consumed by mobile app.
4. End points including Authentication and Authorization, Aggregating data from rock port test, questionnaires inclusion, database updates.
5. Implementation and leverage iPhone capabilities in terms of List of sensors to use, which are:
  - a. GPS
  - b. Heart Rate (Bluetooth)
  - c. Accelerometer
  - d. Magnetometer
  - e. Gyroscope
  - f. Atmospheric Pressure
  - g. Ambient Temperature
  - h. Manual Inputs

6. Holistic manual test efforts
7. UAT acknowledgment and implementations of revisions.
8. Undertaking ownership of Phase 2 development for iOS platform





#### 1.4. TOOLS AND TECHNOLOGIES

<b>Operating System</b>	Windows 8
<b>Framework</b>	.Net Framework 4.5
<b>Technology</b>	Microsoft .Net
<b>Database</b>	SQL Server 2014
<b>Tools and IDE</b>	Visual Studio 2015
<b>Repository</b>	GIT