Requirement Analysis Questionnaire

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1. INTRODUCTION

1.1.   Purpose

This document is designed to gather the application requirement by the business-owner (aka the client) at any stage of the development lifecycle. It should be noted that the questions and answers may not be in great depth at the start of the project.

1.2.   Objectives

The primary objectives of this Requirement Analysis Questionnaire are to:

- Assist the capture of both functional and non-functional requirements
- Form a good starting point for the project.
- Avoid confusions which are prone to errors and dead-ends

1.3.   Question Categories

- **Functional Requirements**
    - General
    - Analysis and Data
    - Representations
    - Interface
    - Functionality and Features

- **Non-functional Requirements**
    - Performance
    - Reliability and recoverability
    - Security

2. REQUIREMENT ANALYSIS

1.4. Functional Requirements

SN	Question Description	Answer
I	**General**	
1	What will be the primary purpose of your mobile app?	
2	What are the features or functionalities you're looking to integrate into your mobile app?	
3	Is the proposed application expected to integrate with one or more of your existing applications?	
4	Who will be the audience of your app?	
5	Does the app have many user types/roles with own associated features?	
6	On minimum what Android system should this application support? (Which SDK? i.e. Kitkat, Nougat ...)	
II	**Analysis and Data**	
1	What type of basic analysis do you wish to see on the app? • Calories burnt? • Amount of time spent?	
2	What type of input will you be providing for the application? Age, Weight, Distance to Travel.... to analyze the data?	
3	Regarding fitness history, would you like to see data collected from Montreal, or a wider scope for example Canada or even bigger?	
4	What kind of sports do you wish to track? (cycling, running, etc..)	
III	**Representations**	
1	Do you wish for a calendar listing which days you were active?	
2	For the data representation, do you just want a histogram with the hours and days? Any other representations are needed? Like a plot diagram?	
IV	**Interface**	
1	Should the app have one level layered interface? Do you want tabs to switch between the features?	
2	Does the interface need to be minimalistic ally design, or you wish for the focus to be on features and colors?	
3	Do you wish to us to implement a night-mode version in the case that this application is used in the evening?	
4	Is the app expected to work in both Portrait and Landscape orientation?	
V	**Functionality and Features**	

1	Is guest account access allowed or login is necessary to use the application?	
2	User able to see previous workout data?	
3	User able to add friends who use the app, and share progress with each other?	
4	Achievement / Motivation feature requirements?	
5	Default activity/fitness plan templates required?	
6	Push Notification such as reminder for upcoming planned fitness activity required?	
7	Does the app require mobile analytics integration for app usage tracking?	
8	Is there going to be a built in GPS tracker?	
9	User able to join challenges or create new ones?	
10	Can the app be used offline (without internet connection)?	

1.5.   Non-functional Requirements

SN	Question Description	Answer
I	**Performance**	
1	What is the acceptable time taken to load (render) the full screen (with all images and buttons) of the application after clicking the icon, link or button?	
2	What are the peak hours of operation for the system, when most people will be using it?	
3	What is the total number of system users?	
4	How does this vary day to day? i.e. are there more users at the end of the week/month?	
II	**Reliability and recoverability**	
1	Could unavailability of information or system result in directly attributable loss of business?	
2	If the system fails, what is the importance of being able to recover information?	
III	**Security**	
1	Could unauthorized changes to or errors in information result in disruption to the operation of the business?	
2	Could unauthorized changes to or errors in information breach legal, regulatory or contractual requirements?	
3	Could any damage be caused by unauthorized person/public viewing information they are not supposed to have access to?	
4	Does the system contain business critical information?	