Group 01

Your E-Care
Vision Document

Version 1.0

Revision History

Date	Version	Description	Author
05/11/22	1.0	Initialize the document	Tran Quang An Quoc, Nguyen Khoi Nguyen

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Vision (Small Project)

1.   Introduction

1.1   Purpose

The purpose of this document is to collect, analyze, and define high-level needs and features of *Your E-care*. It focuses on the capabilities needed by the stakeholders and the target users, and **why** these needs exist. The details of how *Your E-care* fulfills these needs are detailed in the use-case and supplementary specifications.

1.2   Scope

This vision document applies to *Your E-care* app, which will be developed by Group 01. We will develop the app to work on the Android platform. *Your E-care* will provide people a suitable way to lose weight or keep fit.

1.3   References

2.   Positioning

2.1   Problem Statement

The problem of	toddlers, children, teens, and families do not know how to lose weight or keep fit
affects	people with unhealthy lifestyle or bad overall health
the impact of which is	lack of desire to keep fit and difficulty in finding suitable program
a successful solution would be	a simple, mobile application with a low learning curve that can be easily used by everyone. The product would provide a creative and enthusiastic approach for superior health, movement, and fun. Furthermore, the product would also support efficient means of having a unique atmosphere to enhance movement development through fitness and gymnastics.

2.2   Product Position Statement

For	everyone who wants to keep fit or enhance overall health.
Who	do not know how to do it.
The Your E-Care	is a software application
That	provides an approach and solutions for improving health.
Unlike	other fitness applications that do not have effective education for trainees.
Our product	provides a quality program that has been researched to optimize individual movement abilities and goals. This is accomplished by an AI coach and other features.

3.   Stakeholder and User Descriptions

[To effectively provide products and services that meet your stakeholders' and users' real needs it is necessary to identify and involve all of the stakeholders as part of the Requirements Modeling process. You must also identify the

users of the system and ensure that the stakeholder community adequately represents them. This section provides a profile of the stakeholders and users involved in the project, and the key problems that they perceive to be addressed by the proposed solution. It does not describe their specific requests or requirements as these are captured in a separate stakeholder requests artifact. Instead, it provides the background and justification for why the requirements are needed.]

3.1 Stakeholder Summary

[There are a number of stakeholders with an interest in the development and not all of them are end users. Present a summary list of these non-user stakeholders. (The users are summarized in section 3.2.)]

Requirements Engineers	This stakeholder works with customers and stakeholders to translate needs into requirements.	Specifies domain, non-functional, and functional requirements. Refines requirements as needed.
Software Architect	This stakeholder is a primary lead in the development of Your E-care	Responsible for overall architecture of the system, and guides overall design and implementation of system
Project Manager	This stakeholder leads development of the HCPA.	Plans, manages and allocates resources, decides priorities, coordinates interactions with customers and users, and keeps the project team focused.

3.2 User Summary

Normal People (children, teenagers, adults..)	Primary End user of the system	Use an application to keep fit.	Self
Assistive People (therapist, coach…)	End user of the system	Configure application for the Primary End users. Communicate with the Primary End users by the app.	Self

3.3 User Environment

1. *Your E-care* will be used by people, regardless of age, with normal health and heath problem as defined below:
    a. Normal health: has a healthy lifestyle.
    b. Health problem: obesity, degeneration
2. *Your E-care* should use in different places:
    a. In a home
    b. In a hospital/nursing-home setting
    c. In a park/stadium/classroom….
3. Users can choose from a variety of lessons:
    a. Cardio
    b. Pilates
    c. Optional therapies

       d. Fitness

       e. Physical exercises

4. Assistive persons should not need to use this app

5. The system allows assistive persons to communicate with trainee:

       a. Trainees should request an action of the assistive person using this app

       b. The user should be in conversation with an assistive person

3.4   Summary of Key Stakeholder or User Needs

Needs	Priority	Concerns	Current Solution	Proposed Solutions
Easy to use	High	Ability for users with little to no previous phone usage to navigate and use menu easily	See proposed	Provide large menu icons with intuitive categories for communication
Flexible (configurable)	Low	Ability to customize menu and functions based on different user needs	See proposed	Allow *Your E-care* to be configured on initial running to allow users to choose needed functions and menu layout
Send messages	Medium	Messages should be in time	None	Having optional communicating approach such as email, social network
Recommending suitable courses	Medium	Unsuitable or wrong courses are chosen	None	Using AI to choose from individual input survey
Rating	Low	Ability to customize menu and functions based on different user needs	None	Using API to collect ratings

3.5 Alternatives and Competition

[Identify alternatives the stakeholder perceives as available. These can include buying a competitor's product, building a homegrown solution, or simply maintaining the status quo. List any known competitive choices that exist or may become available. Include the major strengths and weaknesses of each competitor as perceived by the stakeholder or end user.]

- Strava
- Adidas Training: HIIT Workouts

4. Product Overview

This section provides a high level view of the health care capabilities, interfaces to course catalog database system, and system configurations. This section usually consists of two subsections, as follows:

• Product perspective

• Assumptions and dependencies

4.1 Product Perspective

*[This subsection of the **Vision** document puts the product in perspective to other related products and the user's environment. If the product is independent and totally self-contained, state it here. If the product is a component of a larger system, then this subsection needs to relate how these systems interact and needs to identify the relevant interfaces between the systems. One easy way to display the major components of the larger system, interconnections, and external interfaces is with a block diagram.]*

4.2 Assumptions and Dependencies

• The product will be used on a mobile operating system.

• If there are changes in the development process, the vision document needs to be updated with this information.

• This product is expected to be used in the next 5 to 10 years and frequently updated during this period.

5. Product Features

This section provides what features are needed in our system, feature description at a general level, why we choose to implement it and the level of priority for each feature we have.

No.	Feature	Type of user	Description	Priority
1	Post exercises	Admin	Admin can post exercises by the time	High

2	Suggest in a series of exercises	Admin	Admin put the exercise into the series of relations.	Medium
3	Suggest in each muscle group	Admin	Admin separate the exercise into different groups	Medium
4	Remind user to practice	Admin	Admin set the system to remind user comeback to practice	Low
5	View the rates and comments of exercises	User	Users can view the total rates and comments	Low
6	Register to practice the exercises	User	Users can register the course they want	High
7	View the profile.	User	Users can see their information and registered course	Medium
8	Rate and comment about the exercises.	User	Users can comment and rate the exercise so that others can refer.	Low
9	View the exercises. (Calories estimation, Duration)	User	Users can see the overview of each exercise.	Medium

10	Sign up / Sign in the account	User	Each user has their own account so as to manage themselves.	Medium
11	Record process of exercises	User	Each user can submit their own process	Low
12	Create custom alarm	User	Each user can customize their alarm	Medium

6. Non-Functional Requirements

Applicable Standards:

The mobile user interface shall be Android operating system.

System Requirements:

The client component of the system shall operate on any personal mobile phone with x64 ARM Microprocessor or better.

The client component of the system shall not require more than 1024MB RAM and 50-80 MB Disk Space.

The client component of the system shall run on Android 10.0 or over.

Performance Requirements:

The system shall support up to 200 simultaneous users in each half an hour against the local servers.

Security Requirements:

User password put into hash table so that user profile is protected.