DESCRIPTION OF PRODUCT REQUIREMENTS

Group: HDVT

Project: FoodCare – Diet Building System

Date: Mar 6th, 2021

I. Short description of product ideas (less than 7 statements)

-This project are being proposed to build a website platform that can provide nutrition with the right dishes for those in need of improving health and body fitness. Developed the 'unknow' website to search for dishes by suggesting the activities of each person to filter out the most relevant information, to solve the problem of searching for information manually and contribute to meeting the needs of users.

-Help users find and share information about the recipes or nutrition of each dish, solving the problem that users have to search for information that is not highly accurate, has consistency and information vague. 'Unknow' helps users to manage their food scientifically and the results it brings to each person's health.

II. Requirements

High-level Functional Requirements	1. Provide nutrition according to the condition of all subjects (food, diets,...).
	2. Evaluate the change in body condition over the proposed time.
	3. Provide complete information of raw materials in pe dish
	4. Gather data collected from the subject's assessment.
	5. Detailed statistics to suggest more new dishes through subjects that have applied the diet.

Quality Attributes Requirements (example related to issues: Ease Use, Easy to Like, Easy to Learn, Easy to Understand, Easy to Buy / Yes, ...)	1. Easy to use
	2. Easy to practice
	3. Easy to understand

	4. Easy to find
	5. Easy to statistics

Operation Requirements (related to issues: Speed, Accuracy, Performance, Stability, Load Resistance, Scalability, Safety, ...)	1. Ensure to overcome the overload problem of the system
	2. Ensuring the reliability of the system
	3. Ensuring the security of the system
	4. Ensuring the high stability of the system
	5. Ensuring the scalability of the system

Environment & Operation Requirements (related to issues: physical impacts on the environment, interact with relevant or existing systems, conditions for product commercialization, ...)	1. Use on Website platform
	2. Conditions for product commercialization
	3. Interact with relevant or existing systems
	4. Physical impacts on the environment
	5. Using Website platform on browser applications available on smartphones

Requirements for Maintenance & Support	1. Easy to maintain source code
	2. Easy to expand source code
	3. Documentation specific description
	4. Notes clearly in source code

Security/ Safety Requirements (related to issues: conditions of use / access to products, personal freedom, inspection, ...)	1. Information security for users
	2. Define the correctness and transparency of the formula
	3. Data and content must be clear and sourced
	4. Anti network attacks, altering data

Culture Requirements	1. Distinguishing content for humans on each continent
	2. Meet strict diets

Evaluate the complexity of engineering problems		1. Involving wide-ranging or conflicting technical issues
		2. Having no obvious solution
		3. Addressing problems not encompassed by current standards and codes
	x	4. Involving diverse groups of stakeholders
	x	5. Including many component parts or sub-problems
		6. Involving multiple disciplines
		7. Having significant consequences in a range of contexts

Standard requirements	x	1. Code standard. (GNU, Oracle standard for Java, ..,)
	x	2. Design standard. (design patterns, object-oriented analysis and design,…).
		3. IEEE (1058, 1540, 830, 1016, 829, 1012, 1008)
		4. ISO/IEC/IEEE 12207:2017 (TCVN 10539:2014); ISO/IEC 25051:2006(TCVN 10540:2014);
		5. Other standards. (related to specific topics)