DESCRIPTION OF PRODUCT REQUIREMENTS

Group: C1SE.02

Project: Green Big 5 System

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

With more and more pollution, the world has to face many consequences of what humanity has done to the environment. People have to understand their daily life, hobbies and their personality can affect the environment [1].
The Green Big5 (GB5) system is used to collect the user's personality by using the GB5 App. From that, the system can identify a user's personality in the context of Big-five traits based on the GB5 Scenario and with the support of the GB5 Dashboard. This could help the system analyze the connection of the user's personality to the environment.

II. Requirements

High-level Functional Requirements	1. Collect user's Big-five question data.
	2. Classify user's Big-five personality traits.
	3. Storage user's information and data.
	4. Send the question from the database to the application based on a scenario.
	5. Visualize the user's personality data.

Description of Product Requirements -v1.0

Quality Attributes Requirements (example related to issues: Ease Use, Easy to Like, Easy to Learn, Easy to Understand, Easy to Buy / Yes, ...)	1. Users can easily use the Application, with a friendly, easy to use interface, flexible to any device, and any kind of operation system.
	2. High level security for protecting user information.
	3. The question on the system is easy for users to understand and answer.
	4. The personality data classify and visualize in an understandable way.
	5.

Operation Requirements (related to issues: Speed, Accuracy, Performance, Stability, Load Resistance, Scalability, Safety, ...)	1. The system doesn't show any intruding or sexual questions that can affect the user.
	2. With a good accuracy performance when the system classifies the user's personality traits.
	3.
	4.
	5.

Environment & Operation Requirements (related to issues: physical impacts on the environment, interaction with relevant or existing systems, conditions for product commercialization, ...)	1. This system is created to help users have a better solution to protect the environment, so based on user choice this can affect the environment.
	2. There are many systems using Big-five to find their use personality trait but it only stops at classified it in a static way.
	3. This system could help enterprise or company identify their client and have an option/service to them but doesn't affect the environment.
	4.
	5.

Security/ Safety Requirements (related to issues: conditions of use / access to products, personal freedom, inspection, ...)	1. Free to use(User)
	2. Inspection (System Admin)
	3. User data highly protected
	4.
	5.

Description of Product Requirements -v1.0

Culture Requirements	1. Avoid negative cultural traditions.
	2.
	3.
	4.
	5.

Evaluate the complexity of engineering problems		1. Involving wide-ranging or conflicting technical issues
	X	2. Having no obvious solution
	X	3. Addressing problems not encompassed by current standards and codes
		4. Involving diverse groups of stakeholders
		5. Including many component parts or sub-problems
	X	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)
	X	4. ISO/IEC/IEEE 12207:2017 (TCVN 10539:2014); ISO/IEC 25051:2006(TCVN 10540:2014);
	X	5. Other standards. (related to specific topics)

References: [1]   Personality Traits Associated with Environmental Concern:

https://www.proquest.com/openview/f425c164f6b1921a0de75c9ef707de98/1?pq-origsite=gscholar&cbl=18750