PRODUCT REQUEST DESCRIPTION

Group: **C2SE.12**

Project: Learn English Together

Posted on: March 6th, 2021

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

Easy English system is a community that makes learning English of everyone easier by learning to interact with others through forms such as group learning of 5-7 members and in groups. Those who learn English well will teach English to those who are most afraid of learning English in a natural way. Studying together with others creates motivation, feeling comfortable for English learners, learning English in the most exciting way. In addition to those study groups, users can randomly search for someone with English skills in the system to help them. And people with English proficiency can create events and seminars to share experiences and inspire others.

II. Requirements

High-level functional requirements	1. Community
	2. Message
	3. Group
	4. Vocabulary
	5. Test or mini test

Quality property requirements (e.g., related to issues: Easy Easy to Use, Easy to Like, Easy to Learn, Easy to Understand, Easy to Buy / Yes,)	1. Easy to use
	2. Easy to learn
	3. Easy to interact
	4. Easy to understand
	5. Easy to statistics

Operational requirements (related to the following issues: Speed, Accuracy, Performance, Stability, Load Protection, Scalability, Safety, ...)	1. Ensure the stability of the system
	2. Ensure the safety of the system
	3. Ensure system security
	4. Ensure load balancing for the system
	5. Ensure system scalability

| Environmental and operational requirements (related to the following issues: physical impact on the environment, interaction with relevant or existing systems, conditions of commercialization of products, ...) | 1. Can be used on many web platforms |

Maintenance and support requirements	1. Easily maintain source code
	2. Easily expand source code
	3. Specific description of the document

Security/safety requirements	1. Information security for users
(related to the following issues: conditions of use / access to products, personal freedom, inspection, ...)	2. Anti-intrusion system

Cultural requirements	1. N/A

Assess the complexity of technical problems		1. Regarding broad technical issues or contradictions
		2. No clear solution
		3. Resolve issues that are not covered by current standards and codes
	X	4. Relate to different stakeholder groups
	X	5. Include multiple component parts or sub-issues
	X	6. Related to many disciplines

		7. Have significant consequences in a wide range of contexts

Standard requirements	X	1. Code standard. (GNU, Oracle standard for Java, ... ,)
	X	2. Design standards. (object-oriented design, analysis, and design templates...).
		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);
		5. Other standards. (related to specific topics)