

DESCRIPTION OF PRODUCT REQUIREMENTS

Group: C1SE.44

Project: School Connect Application

Date: 17/8/2021.....

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

School Connect Application is a web-based application with a school scope that allows students and teachers in that school to chat with each other inside the website without using a third-party application, students and teachers can post articles to the forum for other teachers and students to view and comment on. Censor can censorship the post of the students and teachers and delete comment of them. Administrators can manage student and teacher account information as well as forum information. Controllers can moderate student and teacher posts, and can control malicious comments or messages

II. Requirements

High-level Functional Requirements	1. Admin, student, teacher, censor can create/modify/delete post
	2. Student, teacher, censor can send message with together
	3. Admin can add, modify, delete information account student, teacher, censor and forum
	4. Student, teacher, censor will get the notification
	5. Censor can censorship or delete post of student and teacher
	6. Censor can delete comment student and teacher
	7. Student, teacher, censor comment the post
	8. Admin can get report
	9. Student, teacher can report comment or message toxic
	10. Manage member in the forum

Quality Attributes Requirements (example related to issues: Ease Use, Easy to Like, Easy to Learn, Easy to Understand, Easy to Buy / Yes, ...)	1. Website need to be ease for user to use

Operation Requirements (related to issues: Speed, Accuracy, Performance, Stability, Load Resistance, Scalability, Safety, ...)	1. The user receives the message from another user in 10 second
	2. The user receives notify from new post or message in less 15 second
	3. In the future if need to add new functionality or modify some functionality it should be easy for new and old developers

Environment & Operation Requirements (related to issues: physical impacts on the environment, interact with relevant or existing systems, conditions for product commercialization, ...)	1. To use website, user need connect to internet
	2. Operating System: Windows, Linux, MacOS
	3. Using serve Apache Tomcat
	4. Web Browser: Chrome, Firefox, Microsoft Edge, Coccoc, Opera

Requirements for Maintenance & Support	1. Have help after releasing the product for user to use
	2. Have documentation to help operate the system
	3. If something goes wrong, the developer needs to fix the system as soon as possible

Security/ Safety Requirements (related to issues: conditions of use / access to products, personal freedom, inspection, ...)	1. The user must login to using website application
	2. Information of user need to be kept confidential
	3. Have functions that only specified users are allowed to use

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Culture Requirements	1. This is system for people of school so outsider can't go into system destructive forum
	2. In the context of the epidemic student and teacher don't need meet face to face so limit the spread of disease
	3. This application can be change communication student can contact with school or teacher event they don't at school or using many third app to hold contact
	4. Information of student or teacher can't expose.

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
		4. Involving diverse groups of stakeholders
	x	5. Including many component parts or sub-problems
		6. Involving multiple disciplines
	x	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,).
	x	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)