

Question List

Version 2.0



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# *System Description*

## System Perspective & Features

1. Is an entirely new product to be developed, or is it a further development of an older version?
2. Does it require subsequent version development?
3. Is it a complete stand-alone system or a new part of an existing campus system to be developed?
4. If it is a development of an older version, is a development guide provided?
5. What kind of methods are preferred to show the information? (Tables or Graphs or else?)
6. What the list of presented information for students? (For example: Student’s name/ ID/ E-mail/Performance of lessons that learned before/ Optional courses etc.)
7. What the list of presented information for teachers? (For example: course name/course contents/ the condition to prerequisites/ Course Level/ data statistics etc.)
8. What kind of information of the user must be protected?
9. Should our system support multiple languages? (e.g., Chinese, German, English, etc.)
10. Do you need the function that provides the statistical analysis of information? If need, which information? (e.g., course grade, skills level, etc.)
11. What is your demand for data retention?
12. Can the system import information of students from some specific files? (e.g., excel file, txt file, csv file, etc.)
13. Are the users able to export the specific information of courses as some particular files? (e.g., excel file, txt file, csv file, etc.) are re

## User Classes & Characteristics

1. How many user types are required in this system? (e.g., teacher, student, visitor)
2. What the limits of authority for teachers, students, and visitors?
3. Does the system need to grant permissions on the corresponding operations and available
4. functions according to user categories?
5. Does the system need to support multiple languages for teachers and students of different
6. Nationalities automatically?
7. For student & teacher:
8. What functions should the user have? (e.g., login, add an item, delete an item, modify item information, search item, etc. Item can be students, course, etc.)
9. What kind of information can the user modify? (e.g., personal information, grade, class performance, etc.)
10. Are students able to view each other's information?
11. Can teachers view each other's information?
12. Can students view all teachers' messages? Or is it partial?
13. Can teachers view information about all students? Or part of it?
14. Can students view information for all courses? Or is it partial?
15. Can teachers modify information for all courses? Or is it partial?
16. Can the teacher add course information? If I add a course, what information do I need to fill-in?
17. Can the teacher delete some course information?
18. Can students change all of their personal information? Or is it partial?
19. Can a teacher change all of his or her personal information? Or is it partial?
20. Can a teacher modify a student's information?
21. For visitor:
22. What functions should a visitor have? (e.g., register, search, view, etc.)
23. Can visitors modify any information?
24. Can visitors checkout all information or just course information?

## Operating Environment

1. Do you want an application or a website to show the information?
2. Does the system need a downloadable client or an online web page, or both?
3. If you prefer a website, what kind of browser you want it to support? (e.g., Chrome, Edge, Safari, etc.)
4. Which platform will the system be launched on? (e.g., Windows, macOS, Linux, Android, IOS, etc.)
5. Which operating systems and versions the system need to run on? (e.g., Windows 10, macOS 11, Android 11, IOS 14.4, etc.)
6. Does the system need to run on multiple operating systems?
7. Does the system run at the same time as other software is required or prohibited?

## Design & Implementation Constraints

1. What is the expected system capacity (user number)?
2. Whether we need to consider the situation that the whole school students visit the system?
3. Is the same account allowed to be logged in by more than one person at the same time?
4. How much memory does the system need?
5. What is keyword should be used to search the course? (Division/Title/Program)
6. Whether you provide the information of students, courses, and teachers?
7. Does the school provide the user information that is already available?
8. Whether the information should be protected by the students and teachers?
9. Whether users visit the website need to connect to the campus local network?
10. Do we need to build on a local server or a cloud server?
11. How long will the system run?
12. Does the system need to be coordinated with the school's regulatory or other policies throughout the development phase?
13. Are there hardware limitations on the system? (e.g., CPU, GPU, storage, etc.)
14. Does the system need to use specific technologies and tools? If so, how?
15. Does the system need to comply with the school systems' existing communication protocols and security protocols?

## User Documentation

1. Do users need tutorials or specifications for the first login?
2. How many languages do the user manuals require?
3. Does the system need an online user service to answer the users’ questions?
4. What delivery formats or standards do the user documentation need?

# *Interface Requirements*

1. Does the user interface need a card format (like Youtube website) or list format (like Google website)? or something else.
2. Can user modify the layout by themselves?
3. Are there any special requirements for design style/layout?
4. What functional buttons are needed to include?
5. Does the system need to run on multiple hardware platforms(e.g., smartphone, PC, iPad, etc.)
6. Does the communication between users need to be encrypted? Does the system need to connect to E-mail or SMS etc.?

# *Nonfunctional Requirements*

## Performance Requirements

1. How many users are allowed to log in at the same time?
2. Does the system need to respond to user operations as fast as possible?
3. Can the system be opened concurrently on one device?

## Safety & Security Requirements

1. If the system needs to follow specific policies and regulations.
2. Does the discussion board need speech control?
3. Is the system able to collect using cookies?
4. What data about the user needs to be encrypted?
5. Whether the system needs to deny specific access?
6. Whether the export file needs validation information?
7. What information about the user needs to be validated?
8. When is validation required?
9. Should we design the protection mechanism to avoid an external attack?

## System Quality Attributes

1. Do we need to make long-term operations and maintenance?
2. Does the data in the system need files that can be exported to a specific format?
3. Whether the data in the system need to be exported to particular other software or platforms?
4. Does the system need a dark mode?
5. Does specific data need to be collected and counted from users?
6. Dose the system need to be flexible to fit any screen size on different devices?