

Criterion E: Evaluation

Successful Criteria

1. Have a database to store all the records permanently.	Met. 5 tables in MySQL are used.
2. Allow users and admin easy to access to different pages in a clear and easy way.	Met. Two main pages to directly link to all functions.
3. Allow admin to check the items in the equipment page anytime when it was checked.	Met. The equipment page will refresh every time it is opened. The client thinks it should also insert some image and graphics of the equipment.
4. Have sorting functions provided in the equipment page.	Met.
5. Enable users to borrow equipment.	Met. The client thinks it is better to show the extend date exactly. The client thinks it should also insert some image and graphics of the equipment so that user can easier find the equipment in the IT Room.
6. Each equipment can only be borrowed by one person	Met.
7. Each person can only borrow a maximum of two items	Met.
8. Enable users to return equipment.	Met.
9. Enable users to extend the date of return	Met. The client thinks it is better to show the extend date exactly.
10. Have a feedback function for users	Met.
11. Have a question function for users	Met.
12. Allow admin to easily notice the question ask by users.	Met. Questions are directly shown on the main page of the admin
13. Allow admin to know the borrowing records anytime when it was checked.	Met.

14. Allow admin to add / delete items in the stock inventory	Met.
15. Allow admin to edit status of items weather it is opened or not opened for borrowing	Met.
16. Provide error boxes automatically if there are any data entry errors.	Met. The error box can detect the problem specifically.
17. Provide clear and easy instructions to guide users in how to use the program.	Met.
18. Allow admin to create new admin	Met. The client thinks the new created admin should have less authorization, for example may not delete equipment or may not create new admin.
19. Not allowing users to borrow new items if return late 2 times	Met.
20. Allow admin to re-open users borrow authorization.	Met.

Recommendations for Further Development

Settings:

- The client mentioned he want a notification on the admin major page if students return late more than 7 days.
- The client mentioned he wants to allow teachers to borrow some more items and longer period of time than students.
- The client mentioned he want to auto set those who are late returning for 7 days of being “not allowed” in the borrow authorization. He also mentioned if this happens, he wants it to have a notification in the part where there is list of question on the admin page.
- The client mentioned that some equipment is relatable and may be common to be borrowed together. For example, microbit and a tutorial book for microbit. As each user can only borrow a maximum of 2 quotas, he wanted to let those who borrow related items instead on counting them 2 or more quotas, they are only counted as 1. This would allow congratulate more students to investigate in a topic more deeply.

Interface:

- The client think it would be better for students and the admin to use if there is a nicer interface. Besides, some textbox can be changed to combo box, this would make it easier to use.
- The client mentioned he wants a filter function between the rows in a table to make his usage easier.

Functions:

- The client wants to allow students to reserve equipment.
- The client mentioned he wants to create a place for student to check what did they own borrow and when should they return.
- The client mentioned he wants to have a place to enable him to check the past history of the resolved questions.
- The client suggests some graphs or tables auto formulated to summarize some parts in the table. For example, a list of people who are returned late. A total number of borrowed items in this month, in this year. The total number of borrow from each form and etc.
- Further improvements for better data analysis of records. The client thinks it is hard to read some useful information from the user page or borrowRecord. A more preferable approach is the table automatically highlight some of the parts that need to pay attention to. For example, on the borrowRecord those who return late can be in different colours, those who don't have borrowAuthorization late can be also in different colours. This would allow him to notice them easier.

- The client mentioned some students may have some special needs. Therefore, he wants to allow students to send one-off request who have special reasons or needs, extending the returning time and extension time of the borrowed equipment. He wants the request to be shown on the question list on the admin main page, which is easier to be seen.