

Criterion E – Evaluation

As I do not have access to David's part of the application, I could not test all of the success criteria in the video. However, I personally met with David. We tested together all criteria and his reaction provided is below.

David's reaction on success criteria showed in the video:

Criterion	Definition	Met?	Note
2	The website is protected by a username and password	Yes	In order to use the webpage, the user has to firstly login into it.
3	User will be automatically log out of the website after a certain time of inactivity has elapsed	Yes	After a certain time interval of inactivity elapsed, the user was redirected into the login page.
4	User will be able to choose a .csv file to upload into the database	Yes	All of the files could be uploaded into the database into appropriate table.
5	The website will display time when the file was lastly updated	Yes	The time is displayed in the main page and was successfully updated after appropriate table was uploaded.
6	User will be able to download a .csv file of latest upload from the database	No	The table could not be downloaded in form of a .csv file. The problem could likely be in the directory of my computer or the computer's protection. Instead, the selected file was displayed and could be easily copied into the user's computer.

7	User can send a notification which will be stored in the database and upon request sent into the application.	Yes	Successfully tested, the notification was stored in appropriate table with information of time when it was sent. When a request from the application was received, all new notifications were successfully sent.
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Table 1. User's comments on the success criteria shown in the video.

David's reaction on success criteria which were not shown in the video.

Criterion	Definition	Met?	Comment
1	The website is clear, easy to understand and use	Yes	User almost immediately understood how the webpage works and could easily operate on it.
8	My client's application will be able to communicate with all of the proposed tables that will be stored in the database	Yes	Successfully tested with the client. All debugs were corrected and the client could work with the database using his application and my back-end part without any problems.
9	The communication between the database and the application will be always verified by device id	Yes	Successfully tested with the client. When the device id that client used did not match with the device id stored in the database, the communication did not proceed.
10	The communication between the database and the application will be only performed if the data stored in the application is not up to date with the data stored in the database	Yes	Successfully tested with the client. Only data that was not yet in the application was sent. Duplication of data sent into the application was avoided.

Table 2. User's comments on the success criteria which were not shown in the video.

Recommendations for further study and development

Completing the success criterion number 6

Although user was overall satisfied with the product one criterion was not accomplished . The table was instead outputted in a .csv format and could be easily copied, so it was a satisfying alternative for the unsuccessful criterion. Nonetheless, for future study this criterion should be understood in more detail and corrected.

Design

For further use, David would like to work with an improved design of the webpage, so it looks more representative.

Type of data upload and download

The user could be provided with the ability to upload and download also other formats of files into the database. For instance, he could be able to upload and download some text documents as well which could be more suitable for the schedule of the competition.

Improved file selection

The user suggested that there could be only one upload and one download button that could be used for uploads and downloads of all files. This would increase the readability of the page, as there are now more buttons with the same signature.

Improved encryption

The encryption during the communication between the application and the database could be improved. This could be done by creating a session id for the application which would be controlled by a timeout.

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