Criterion E — Evaluation

Evaluation of the product against success criteria

Criteria	Met?	Comment
Login page to allow user to enter homepage by correct credentials	Yes	The user is only allowed to enter the system by entering correct login credentials.
A homepage that integrates buttons and menu items to all panels in the program	Yes	The homepage can lead the user to any pages of the program.
A change login credential page	Yes	Login credentials can be edited after verification.
Data entry page to add a volunteer's data	Yes	Volunteer's data is saved into the database once the "save" button is clicked.
Data editing page to edit data of a volunteer	Yes	A volunteer's recorded information is displayed after selecting a volunteer and clicking the "read" button. The changes made to the volunteer's data are saved.
Data entry page to add a new student's data	Yes	The student's data is saved into the database.
Data editing page to edit data of a new student	Yes	A student's recorded information is displayed after selection. Changes are saved.
Data entry page to add a visitor's data	Yes	The visitor's data is saved into the database.
Data editing page to edit data of a visitor	Yes	A visitor's recorded information is displayed after selection. Changes are saved.
Data entry page to add a sports event	Yes	The name of the event and number of volunteers required are stored into the database.
Data editing page to edit data of a sports event	Yes	An event's information is displayed after selection. Changes are saved.
Matching page to check all the applications and eligible volunteers, and to assign a volunteer to an application	Yes	Applications can be selected and a table is able to display the information of the selected application. Eligible volunteers will be added into a combo box, and after selection the data of the selected volunteer shows up in another table. The system can

		successfully save the selected pair of applications and volunteers. Meanwhile, the system will send an email to both the applicant and the volunteer.
Marking completion panel that allows the user to mark a pair as complete, or to cancel a matched pair	Yes	The system allows the user to select a matched pair, mark a pair as complete or cancel the pair. An email will be sent to notify the applicant and the volunteer in either case.
Report panel to generate report of a volunteer, including the number of applications helped for each type, and display specific information of each activity	Yes	The program allows the user to select a volunteer and generate relevant reports of that volunteer.
Appropriate error messages are included in the program	Yes	Data validation techniques are employed in the program to check for data entry errors. The program displays an error message when there are data entry errors, and prevents the wrong data from entering the database.

<u>Overall evaluation</u>

Overall, Mr. Brock is very satisfied with the final product, which is an obviously better approach to organizing the applications and volunteers. The program allows him to enter data simply by filling out several fields and selecting items, making the process very efficient. Mr. Brock appreciated the upcoming visitor table in the homepage which reminds him of the visitor requests that need to be paired soon. This was never available in the old times. Moreover, Mr. Brock found the automatic filtration of volunteers really helpful during the matching process as the system does the selection work for him. The login page and change credential page were also admired by Mr. Brock for maintaining the security of data. And finally, the arrangement of labels, text fields, combo boxes and buttons in the GUI is clear and helps Mr. Brock to easily locate and utilize each function.

Despite the advantages of the program, Mr. Brock also suggested some possible improvements that could be applied to the program, that is: notification of outdated visitor requests, and temporary adjustment of PE helper's works, which will be further elaborated below.

<u>Suggested improvements</u>

<u>Outdated visitor requests:</u>

Even though the homepage contains a table that could display all the upcoming unmatched visitors, the program is not yet capable of notifying the user of outdated requests, nor is it capable of making another arrangement for the outdated requests. This could be done by sending an email to both Mr. Brock and the visitor once the program discovers an outdated request, and meanwhile by adding a new table to display all the outdated visitor requests, and once Mr. Brock clicks on an outdated request, the system leads him to the edit visitor page and allows him to change the visitor's activity to a valid date.

<u>Adjustment of PE helper's works:</u>

Mr. Brock has reported that sometimes there aren't enough volunteers for certain sections of a sports event and therefore suggested that the program can sometimes flexibly arrange an athlete helper to help with certain sections that they didn't sign up for. This can be achieved by adding a page that allows Mr. Brock to select a volunteer, select the section that requires more volunteers, and send an email to the selected volunteer asking whether he/she is willing to take the work; after receiving confirmation, Mr. Brock could go to the matching page and temporarily arrange that volunteer to the section required.

Word count: 393