

Criterion E: Evaluation

See Appendix C for references.

| Success Criteria | Status |
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| The program displays an error if Student details are not valid. | Satisfied – Program can identify wrong data types for age values. The client finds it “especially useful” that an exception handler stops the program from malfunctioning. Rating: 5/5 |
| Admin is able to remove students from the database. | Satisfied – The program saves “a lot of time” by double clicking a record and then clicking a button to remove the selected record. Rating 5/5 |
| Admin is able to search for records based on names or grade levels. | Satisfied – The client can search for records successfully. Client was not happy with the clear data button in the GUI but is “neither satisfied nor dissatisfied about it.” Rating: 3/5 |
| Admin is able to add students to the database. | Satisfied – Client is able to add students fairly easily although they “forget and add a student ID” when it is automatically generated. Rating: 4/5 |
| Admin is able to update student data. | Satisfied – Client can make changes to mistakes made while entering student data very easily. Client also likes that the program asks for confirmation with decisions like adding and removing. Rating: 5/5 |
| The program can output a document with tables groups and students. | Satisfied – The program successfully produces the file although the client did not prefer the long list on the file. Rating: 4/5 |
| It should be able to calculate the number of tables needed to seat all students. | Satisfied – Client is happy that every student is allocated to a table. The program was able to successfully “calculate just how many tables were needed.” Rating: 5/5 |
| It can place an equal number of students on each table. | Satisfied – Program can calculate how many tables are needed successfully. Students are “evenly distributed on the tables.” Rating: 5/5 |
| It can place at least 1 person from each grade on a table. | Satisfied – Program places at least one person from every grade on a table successfully. Client is happy that the program does this |

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| | because it “encourages inter grade communication” between students. Rating: 5/5 |
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Further development:

Emails – Once the output file is generated, it will automatically be sent to all students on the database instead of being printed out and put on a notice board. This will create another process that allows the user to control the program. The application will need to be connected to the internet to do so.

Scanning IDs – Student details can be entered into the program using a scanner and their Student ID card. This saves time on entering records into the database manually. It allows the user of the program to be more efficient with their work.

Shuffling – Students that have been grouped on tables will not change because the program uses a loop to assign them. With a shuffle function, the admin will be able to switch students around on tables every few months since being with the same people every day for a long time can get boring.