

E - Evaluation

Client Evaluation

Refer to Appendix 1 for the transcript of the interview with the client for this Criteria.

Through the interview with the client, she expressed her satisfaction to the solution saying that “it met the specifications discussed at the start of the process” (Brieta). She appreciated the multiple layers of menus that kept the application organized and user-friendly. She also appreciated the efficiency of the system in calculating grade average (the mean).

The client did give some feedback on how the solution created could be further improved. She said that an additional functionality to give her reminders upon application start up of when to ask students for grades for different topics would be useful. She also suggested the expansion of computing averages to include computing mode and median. Currently, the application only computes mean.

Evaluation against success criteria

#	Success Criteria	Comments
A	User can search for a specific student by name and Student ID number	The client was able to search for a student in the student menu. She liked that upon finding a student, she was given the option to view in detail, edit, or remove the student.
B	User can search for a specific class by name and Class ID number	The client was able to search for a student in the class menu. She found it useful to be able to select different classes when searching by name.
C	User can add and modify students	Using the class menu, the client was able to add new students and using the student menu she was able to modify existing students. She liked that she was restricted from adding a new student without first choosing a class as it would be a waste of her time if she entered the details for a new student and then realize she hasn't created a class in the system to connect that student to.
D	User can add and modify classes	Using the class menu, the client was able to add new classes and edit existing one. She appreciated the multiple validation checks included; for example, inability to enter an ID number of an existing class and only being able to enter 9, 10, 11, 12 when selecting grade level of class (she's a high school teacher).
E	User can add and modify topics	Using the class menu, the client was able to add new topics to classes. She appreciated that upon adding a new topic she was prompted to enter the grades of students in the class for that topic.
F	User can successfully exit the system	From any menu she was able to exit to the main menu where she was able to quit the system.
G	User can save the information	At any point where data was edited, it was then saved and displayed to the client that data has been saved.
H	User can load information	Upon start up of system, it showed the client that system had launched successfully with all files loaded.
I	User can compute average (mean) easily for specific students, classes, topics, and grades	The client appreciated that when looking at a student, class, or topic for a student or class she could see the specific grade attained or the grade average.

#	Success Criteria	Comments
J	User can demonstrate an error if out of bounds information is entered (e.g. number grade is 16, out of the accepted range of 1-12).	When the client would enter a grade below or above the allowed parameters (e.g. 1 or 12 for grade for a student for a topic), she was given an error message and prompted to re-enter the grade.
K	User can easily navigate the system	The client was able to read and navigate the menus of the application without and help. She appreciated the organization of the menus of the system.
L	User can sort classes and students in the system	The client was able to use the different sorting options offered for students and classes. She appreciated the ability to be able to be able to sort in multiple ways (grade average, name, ID, etc.) and in both descending and ascending orders.

Recommendations for further development

1. The client mentioned in the interview that she would like the ability to add reminders about when she should take in grades from students for specific students. This could be implemented by adding a "Reminder" option in the main menu that opens up a part of the application that asks to add a new reminder or view existing reminders. Also upon start up before the main menu is displayed any upcoming reminders will be displayed.
2. During the interview, the client mentioned adding mode and median as other viewable averages for grades. This would be easy to implement as it would just be adding more attributes to the object classes and ways to view them in the controller classes.
3. The application could be modified to include a Graphical User Interface (GUI). This would make it more user-friendly.
4. The application could be modified to output Comma Separated Value (CSV) files of specific selections of classes/students/topics. These CSV files can then be opened in excel for my client to view more easily and run more computations on (expanding usability beyond what's built into the system).

Word Count: 319