

Criterion E: Evaluation

Evaluation of the product:-

Success Criteria	Evaluation
User can perform a new reservation for any given employee.	COMPLETED - Product is able to perform a new reservation with no problems or errors.
User can modify a current reservation for any given employee.	COMPLETED - Initially, this was a very complicated process to obtain information from existing reservations in order to modify them. However, after solving this problem, the product was able to gain success in this criterion as well.
User can cancel a current reservation for any given employee.	COMPLETED –Initially, although the GUI screens work for this aspect of the product, the attempt to read the user’s inputted name and delete the file associated with that name was a failure. However, after some thinking, I was able to successfully complete this criterion.
User can successfully exit the system.	COMPLETED – Reservation system can be successfully exited by clicking the “exit” button.
User can demonstrate an error if a selected date and time is already taken.	INCOMPLETE – Although several attempts were made to complete this criterion, it was ultimately not possible to complete, and hence, I was unable to check for a clashing of reservations.

Recommendations for further development:-

1) Redesign Fields

Currently, the system only stores the date, start time, end time, and the name of the employee in a file. The client suggested that for a future product, the system could be redesigned to store more fields in files, such as the reservation description, the contact number of the user, the number of employees for which the room is being reserved, and the room being reserved.

2) Several Rooms

Another suggestion was to expand the product, so that the system would facilitate reservations for several rooms, instead of just one conference room. This will make the product more efficient, since with the current product, a new reservation system will need to be made for

every conference room. However, with a future product, all the conference rooms could be stored in the form of a combo box, enhancing the efficacy of the system.

3) Resources + Rooms

The client also suggested that the product could be expanded such that a user would not only be able to reserve physical conference rooms, but he would also be able to reserve resources such as video conferencing bridges and audio conferencing bridges.

4) Search Button

Currently, the system only allows the user to make one reservation, due to the inefficiency of serialization. However, for a future product, where databases in MySQL are possibly used, users will be allowed to make several reservations. It might be difficult for the employees to remember the dates and times of all of their reservations. Hence a suggestion was made to add a search button for the employees to find all their reservations, which would be relatively easy if the reservation data is stored in databases. Another addition to this suggestion was to possibly implement a scheduler button, which would present a list of all the reservations for a certain date.

5) Better interface

The current interface is the standard GUI interface for NetBeans. The client suggested that the interface could possibly be edited so that it would be more eye-catching.

6) Clashing of Reservations

Since I was unable to successfully perform a check for the clashing of reservations in my product, the client suggested that for a future product, I could perform additional research and consult professional programmers other than my current adviser to find a solution to this problem, since he was unable to aid me in this problem due to its complexity.

Word count: 485