**Criterion E: Evaluation**

After two interviews conducted with my client, a third meeting was scheduled to discuss whether the functionalities of the application satisfy Antonis’ expectations and fulfill the success criteria that were initially stated. The client extensively operated the program and verified that the application is very effective and efficient.

Evaluation of the product:

1. *A user-friendly command line interface*

-Criterion met.

The client supported that managing the file that contains the shows purchased by the company is very easy for him. He just opens the program and everything operates sufficiently. The text box that allows client to communicate with the program uses a simple command line interface that any individual is capable of using.

1. *Use of a main menu*

-Criterion met.

When the client starts the application a menu with nine options is provided, where Antonis is asked to choose how he would like to use the program. The client said that he is very satisfied with this functionality because the options offered are stated clearly.

1. *A list of the shows purchased by the company*

-Criterion met.

The shows purchased by the company are stored in a file located in client’s computer. During the third interview, the client mentioned that he is very happy that he can access the list with the shows so easily.

1. *Option to add new shows*

-Criterion met.

The client is able to add a new show in the list by choosing the option “Add a show” in the Main Menu.

1. *Validation of data input*

-Criterion met.

The client said to be very excited with the validation process because it ensures that data entered and stored in the file is almost 100% correct. Validating data also allows him to ensure that each show uses a unique ID which was an important problem that he faced when using a notebook.

1. *Option to remove existing shows*

-Criterion met.

The Main Menu offers the option to remove a show from the list. He suggested that this option is very important because after a certain period of time the company is not allowed to air a show if their contract with the company has expired.

1. *An efficient searching tool that will provide the show desired*

-Criterion met.

The program allows the client to find the details of a show by entering its title, type, or production company’s name.

1. *A searching tool that finds the location of a show’s DVD*

-Criterion met.

Antonis was very excited about using this option. He said that is takes him at most two minutes to give the necessary DVD to the employee who is responsible for airing it rather than twenty minutes.

1. *Arrange/Sort the shows*

-Criterion met.

Through the use of Bubble Sort, the program sorts the shows according to rating and times aired both in ascending and descending order.

1. *Update a show*

-Criterion met after receiving feedback in the second interview.

Antonis informed me that the program should offer the option of changing details of a show. More specifically, he said that he often has to change the times that a show has been aired, the last date that it was aired as well as the location of its DVD.

1. *Use of a classification system*

-Criterion met.

The type of the show is determined by the first five letters of its ID and the next five numbers separate a show from the other.

1. *A method that will recommend shows to the client*

-Criterion met.

Through the use of QuickSort and complex searching tools, the program sorts the shows according to least times aired and outputs high quality shows stating their title, the times aired, their rating and the last date they were aired. When the client used this option for the first time became very impressed and said with an enlighten tone “all my problems have been solved!”.

1. *A method that backs up the file*

-Criterion met.

The program offers the option to create a backup file aiming to decrease probability of data loss to occur since the system is critical.

1. *Encryption/Decryption method for improved security*

-Criterion met.

When the client starts the program the file is automatically decrypted. However, when the program closes the file is automatically encrypted.

**Word Count:** 568

Recommendations