COM1028 Software Engineering
Software Engineering Report
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1.   Introduction

This report provides a reflection of the design and requirements testing for my <<Music List>> name. It contains an evaluation of each of those phases and the experience gained through the project.

2.   Reflection on Design

On this part, I would like to reflect on the design I ended up with during the development of this project. I believe that the design I used was as simple as it can get in terms of doing certain things with the least lines of code as possible. I managed to achieve what I was aiming for, with a design that is not only modular, but simple and clear to use. However, the initial design, was that I would split all of my methods into different classes and thus would allow me to better trace exceptions and mistakes during the development. I also have included some of methods that are not being used. This is due to me not fitting enough time on this project, since I had to restart my progress 24 hrs before the deadline because of an import error that occurred with the import to eclipse from netbeans. That lead to me re-using some of the class code that was used for swing elements which led to some methods not being used. Finally, I would like to explain a difficult issue I encountered during my effort to delete a row in the database, with the input of the user. Which led to the delete method not deleting the song as it is meant to be.

3.   Reflection on Requirements Testing

I used quite a lot of testing during the implementation of the project. Frequently, I printed out different values to spot my mistakes. Also, I used the try and catch technique with exceptions and printStackTrace() to locate where the exception was happening and what was causing it. Using such techniques made me realise, where I was wrong in terms of my ideas on how I should approach different tasks at hand and also spark new ways of tackling similar issues onward.

4.   References

On my project, I used the following resources:

1- Sort using comparators and collections: https://beginnersbook.com/2013/12/java-arraylist-of-object-sort-example-comparable-and-comparator/

2- Using an HSQLDB: http://hsqldb.org/

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