**Online Music Store Management System**

Functional Requirements

1. The system should be able to hold up to 1000 items in total.
2. The system should be able to hold information about the music items (id, title, genre, release date, artist, price, etc.).
3. The system should be able to identify the date of when the item has been released.
4. The manager should be able to insert up to 1000 items in total.
5. The manager should be able to select whether he wants to enter a CD/ a vinyl when entering records.
6. The system should be able to display the number of spaces left, whenever a manager enters an item.
7. The manager should be able to delete an item by inputting the item ID.
8. The system should be able to display the type of the item that has been deleted and the number of free spaces left, whenever a manger deletes an item.
9. The manager should be able to request to print the list of items in store.
10. The system should be able to print the list of items in store (id, type of the item, title).
11. The system should be able to sort the list of items in ascending order of title.
12. The user should be able to buy an item by selecting the item ID.
13. The user should be able to request for more than one copy of an item from the system.
14. The system should be able to display the total cost of selected items.
15. The system should be able to generate a report into a file with details of all the items that have been sold, whenever a user purchase items.
16. The user should be able to request for a GUI as an option from the menu console.
17. The system should be able to display the list of items in store with the main information, in a table.
18. The user should be able to search for a specific item by title.
19. The system should be able to display the item searched by the user.

Non-Functional Requirements

1. Performance – The system should be able to display all requested output within 5s.
2. Security – The user shouldn’t be able to modify the records of items.
3. Accuracy –
   1. The system should be able to accurately calculate the total cost of items selected by the user.
   2. The system should be able to accurately chose records & options related to whatever item selected by the user/ the manager.
4. Reliability –
   1. The system should be able to run without causing any errors.
   2. The system should be able to store the relevant input in the relevant datatype.
5. Usability and user-friendliness –
   1. If an incorrect parameter is entered by the user, the system should be able to handle errors.
   2. Displaying a menu that clearly states the function of the options displayed.
   3. Clearly displaying the output in the GUI.
6. Reusability – Ability to input purchase reports into one file.