CHAPTER 1

INTRODUCTION

1.1 Background

Databases and database technology have a major impact on the growing use of computers. It is fair to say that databases play a critical role in almost all areas where computers are used, including business, electronic commerce, engineering, medicine, genetics, law, education, and library science. The word database is so commonly used that we must begin by defining what a database is. Our initial definition is quite general. A database is a collection of related data.1 By data, we mean known facts that can be recorded and that have implicit meaning. For example, consider the names, telephone numbers, and addresses of the people you know. You may have recorded this data in an indexed address book or you may have stored it on a hard drive, using a personal computer and software such as Microsoft Access or Excel. This collection of related data with an implicit meaning is a database. The preceding definition of database is quite general; for example, we may consider the collection of words that make up this page of text to be related data and hence to constitute a database. However, the common use of the term database is usually more restricted.

A database has the following implicit properties:

- A database represents some aspect of the real world, sometimes called the miniworld or the universe of discourse (UoD). Changes to the miniworld are reflected in the database.

- A database is a logically coherent collection of data with some inherent meaning. A random assortment of data cannot correctly be referred to as a database.

- A database is designed, built, and populated with data for a specific purpose. It has an intended group of users and some preconceived applications in which these users are interested.

Music Library Management System have to sale various musical items and each items comes with number of models and variety. Maintaining all these records and making updation regularly such as its selling price, number of items available per items, entering their cost price etc was not an easy task manually. As customers also do not able to search any particular item based on their required model and product name along with their manufacturing and brand details. Through this Music Library Management System, its admin will also able to make necessary operation related to their customers who have visited to their shop and using this

information, shop owner can take other action such as providing new arrivals information to their particular customers and give rebate during purchasing of other products from their shop on the basis of the purchasing records. This Music Library Management System will having the ability to store the vendors shop address, their contact number of type of instruments that has been purchased from their shop. Through this contact information, shop owner will able to contact their vendors whenever they are in need of purchasing any items. Shop owner will get relieve from making items bills manually, the only work that has to be done is entering item code and total number of items that has been purchased by the customers and rest of the processing work will be handled by the system and prepare bills including service taxes, date, time and generating bill id and their customer id.