Museum Database Management System – Group 10

1.     Background

A museum is an institution that cares for and displays a collection of artifacts and other objects of artistic, cultural, historical, or scientific importance. Museums collect and preserve objects and materials of religious, cultural and historical value. They are a good source of entertainment. These museums help to preserve and promote our cultural heritage. It is important to have a database management system to streamline collection management, and keep track of the footfall, and to preserve items of cultural heritage.

2. Project Overview

In this project, we aim to establish a database for museums to manage data of their five basic functions: donations, auctions, reservations, membership management, and merchandise selling. Benefited by this database system, museums can provide their audiences better experiences.

3.     Objectives

1)     Museums keep records of the items sold in auctions, the buyer and source of a particular artifact with the initial bidding price and final bidding price.

2)     Museums need to record information of donations from donors and prepare rooms for the donation.

3)     Museums need to record reservations for visitors, and only visitors with tickets can enter the museums. In this case, museums also need to keep records of visitors’ basic information when visitors register.

4)     Visitors are divided into two types: regular visitors and members of the museums. Museums need to mark the members.

5)     Museums can provide merchandise to each visitor, and need to keep and modify information of merchandise, like price, inventories, and suppliers.