Museum Database Management System – Group 10

1. Background

A museum is an institution that collects, preserves, and displays objects of cultural, historical, and scientific significance. They are archives and indicators of human evolution through time. These museums help to preserve and promote our cultural heritage as well. It is important to have a database management system to streamline collection management, keep track of the number of people visiting them, and to generate revenue.

2. Project Overview

In this project, we aim to establish a database to organize the data of four cardinal functions of the museums i.e., Donations, Reservations, Membership Management and Merchandise Selling. Benefiting from this database system, museums can provide their audiences with better experiences.

3. Objectives

1. Museums need to record information of donations from donors and prepare rooms for the donations.
2. Museums need to record reservations for visitors, and only visitors with tickets can enter the museums. In this case, museums also need to keep track of visitors’ basic information: last name, first name, address, and phone number when visitors register.
3. Visitors are divided into two types: regular visitors and members of the museums. Museums need to mark the members. Members and regular visitors are asked to pay different amounts of money for reservations, and different amounts of money for merchandise.
4. Museums can sell merchandise to each visitor, keep records, and modify basic information of merchandise, like name, price, inventories, and suppliers.