DESCRIPTION

The topic of our project is “Museum Management Database”. The main goal is to provide information about the museum in a systematic way, allowing members of the museum to access all records of every objects cared for, thus facilitating easy maintenance. Our database system consists of a set of entities that represent different aspects of a museum. First entity is Museum which tells us about different museums, with each individually identified through its unique id. Basic info about a museum is obtained here.

Each museum conserves objects. Every museum care for many objects (1: N). The objects entity houses list of all the items that a museum display, identified with a unique id, and it indicates the year it was acquired, year to which it might belong to and the country to which it belonged to. The objects entity has been categorized into four sub-entities, Painting, Statue, Sculpture and Other. Objects shares is-a relationship with its sub-entities. These provide us with some valuable information regarding dimensions, material used and most importantly the style used in that era.

Museum holds exhibition in its premises. Various objects are shown at exhibition. Each exhibition is aimed at providing additional information to the viewers/common people about the artefacts, science, genre to which it belongs, its history and more. Each exhibition has a name, start date and an end date.

With any museum, comes number of Staff members who works for and look after the proper functioning of the museum. Each staff member has his/her year of joining and the SSN through which he/she is identified. Staff has been further categorized into four sub-entities Managers, Professor, Guide and Security. Each department is managed by different managers and all these managers are supervised by the museum manager. Guide and Professor are assigned to different objects. Their job is to guide the people about the items in the museum and to maintain the original nature of different objects available respectively. These two show the cardinality of 1: N towards objects. Staffs have dependants. The dependant entity holds the information about their family members. This entity holds only those records corresponding to the staff who currently works for the museum.