

A written description of the database application

The DBMS system I propose to design would ideally be used to maintain records for a hospital. It would store information about patients, the employees of the hospital and also details of the medicines and treatments prescribed for the patients.

The first time any patient visits the hospital they are given a registration number. Using this number their entire medical history at that hospital is retrieved for any future visits.

Details of hospital employees are also stored in the database. Their personal details are stored as well as information regarding the department and shifts. Their employee IDs are linked with patient visitations in case any service was dispensed by those employees. Each visitation also has associated with it one or more physician. The physician entity is a subclass of the employee class. The prescriptions made by the doctors are also recorded. These entities are related to the product relation. This maintains records of all products, their manufacturer and other details. This relation in turn is related to a batch relation that keeps track of the batch of each product given out. This is important as expired pills should not be sold.