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The Importance of Using Database Management Systems in Hospitals

Abstract

1 Introduction

Database management system (DBMS) is a software which is used to manage the database. A database is a collection of inter-related data which is used to retrieve, insert and delete the data efficiently. It is also used to organize the data in the form of a table, schema, views, and reports, etc. The main function of a DBMS is to store and secure personal and corporate data.

Hospital Database System: this is an intelligent system developed to improve the quality of health services offered to individuals and to ensure safe and speedy integration of patients, doctors and health institutions

Hospital used to store their data in traditional file system like :Microsoft Excel (compatible with windows), Open office (compatible with windows/MAC/Linux), Google docs spreadsheets (need internet access any time). The main drawback of traditional file system is data definition is part of application program which works only with specific application. Files are design driven, they require change in design Coding whenever new kind of data occurs.

2 Hospital Database Management Systems

Hospital database systems now provide multifaceted support for the diagnosis, treatment and follow-up of diseases and their management. On a hospital database every process and all data are safely recorded and stored. Examination, medication, surgery and hospitalization reports and all the health institution's records are kept together with the finest detail about patients, and the patient is asked to re-enter each time on his / her application. Personal information (Name / Surname, Birth Place / Date, Blood Group etc.) and contact information are stored safely. Each transaction is stored securely in the database and can be queried separately. With parametric query screens and search forms, search options are offered via multiple options (Name, Gender etc.). The user-friendly, flexible and convenient search interface provides fast and easy access to information.

- 3 Challenges in Implementing Databases in Health-care:**
- 4 Discussion and Results**
- 5 Conclusion**