

## HOSPITAL INVENTORY DATABASE SYSTEM. INTENT AND FEATURES.

Hospitals use and store a huge amount of medical supplies every day such as antibiotics, medicines, and medical instrumentation, and sometimes is hard for this hospitals to control and monitor the usage of this materials.

This lack of organization and regulation makes it difficult for the hospitals to provide a good service to its patients,

This is why we decided to create a database system that helps hospitals and other type of clinics to control the usage of its materials.

The system created allows hospitals to:

- Store and view information about the medical supplies such as its type, price and the distributor that provides it.
- Add new materials to the database and delete existing materials from it.
- Modify the information of an existing material such as changing the stock.
- Store and view information about the distributors the hospital works with.
- Place orders if the hospital wants to buy supplies and store and modify the information about them.
- Store and view information about the doctors and nurses working at the hospital.
- Store and view information about the treatments performed in the hospital, including the materials they require.
- Modify the information of a doctor or nurse such as changing the department they belong to.
- Download information about a doctor and nurse, creating an XML file in both cases and an extra HTML file in the case of the doctor.
- Upload information about a doctor or nurse from an XML file.

In order to access the database, administrators, doctors, and nurses will need to be signed up, which can be done by themselves or by the administrators. Once signed up, the access to the database is restricted according to the role they have at the hospital, this way doctors, nurses and administrators will have access to different data.