



SOFTWARE DOCUMENT

HOSPITAL SYSTEM

Abstract

THIS SYSTEM HELP DOCTORS AND PATIENT TO COMMUNICATE WELL AND MAKE THE
MANAGERS INSPECT THE SYSTEM STATUS AND PERFORMANCE WELL

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- **Requirements Specification**
 - **Functional Requirements**
 - **Non-functional Requirements**
- **Diagrams**
 - **ERD diagrams**

Requirements Specification

These are the requirements that the customer need to be in the website.

1. Functional Requirements:

a) Managers:

- I. View & add & edit & remove employees' information under their branch.
- II. View a list of all employees in branch.
- III. View all salaries.
- IV. Order to change specific employee's salary.
- V. View & add & edit & remove clinic from the branch he manages.

b) Assistants (Receptionists):

- I. Add new patient.
- II. Remove patient.
- III. View and edit patient info.
- IV. Appointments management.

c) Accountants:

- I. View all salaries.
- II. Can change all salaries WHEN manager orders.
- III. Can add nets on salaries or increments ratios.

d) Patients:

- I. Login
- II. View them info.
- III. Ask doctors.
- IV. Get reports about their status.

e) Normal users:

- I. View the user page.
- II. Edit their data.

2. Non-functional requirements:

a) Performance:

- I. Responsive.
- II. fast website.

b) Reliability:

- I. No errors appear to user.

c) Security:

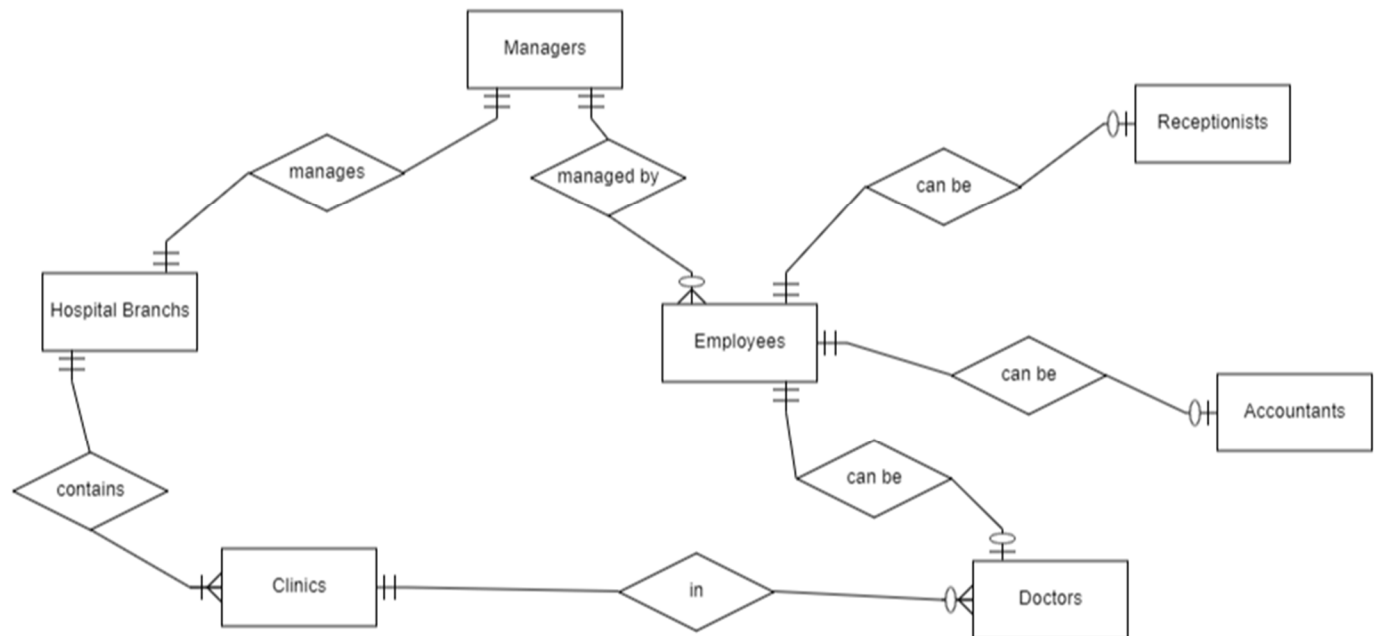
- I. No user can access other users' data.
- II. Authorization levels.

Diagrams

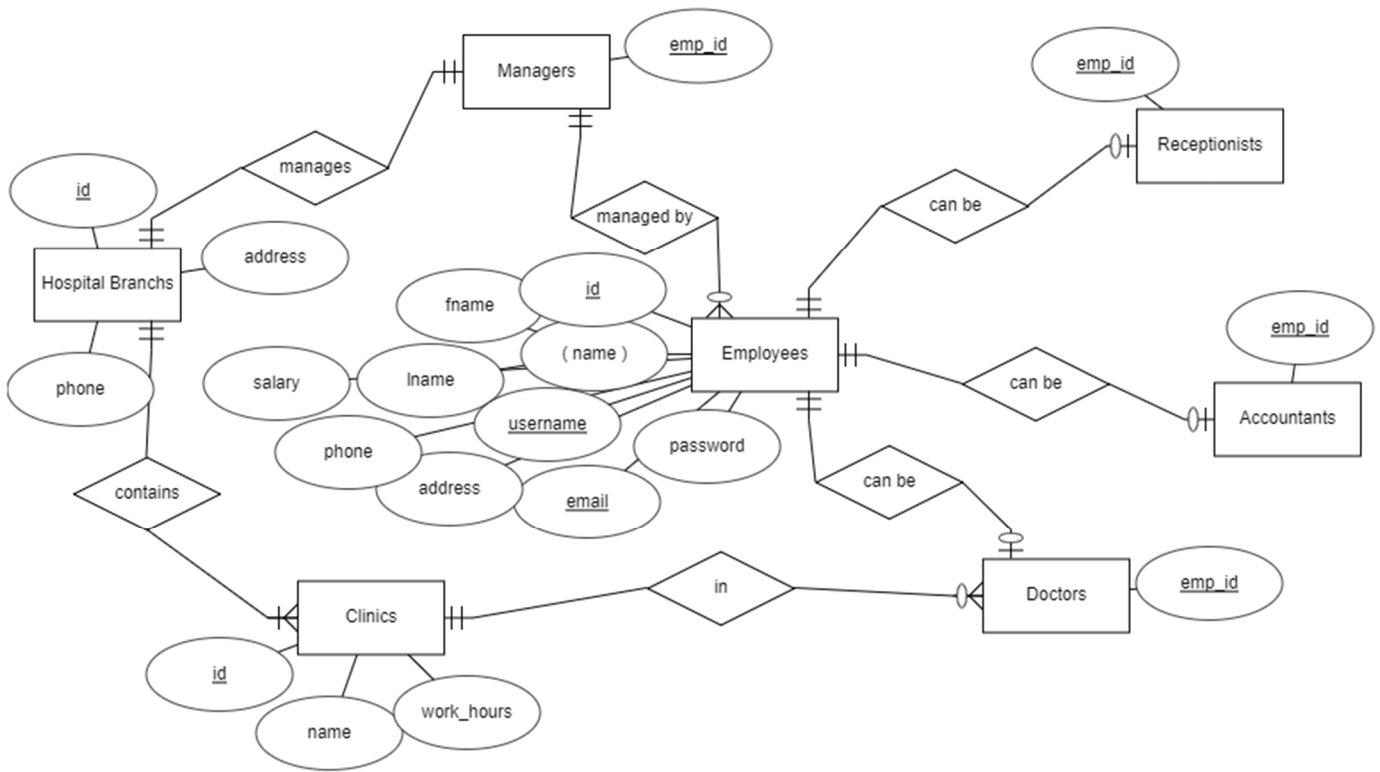
Diagrams help us to more understand the system and what should it do.

ERD diagrams:

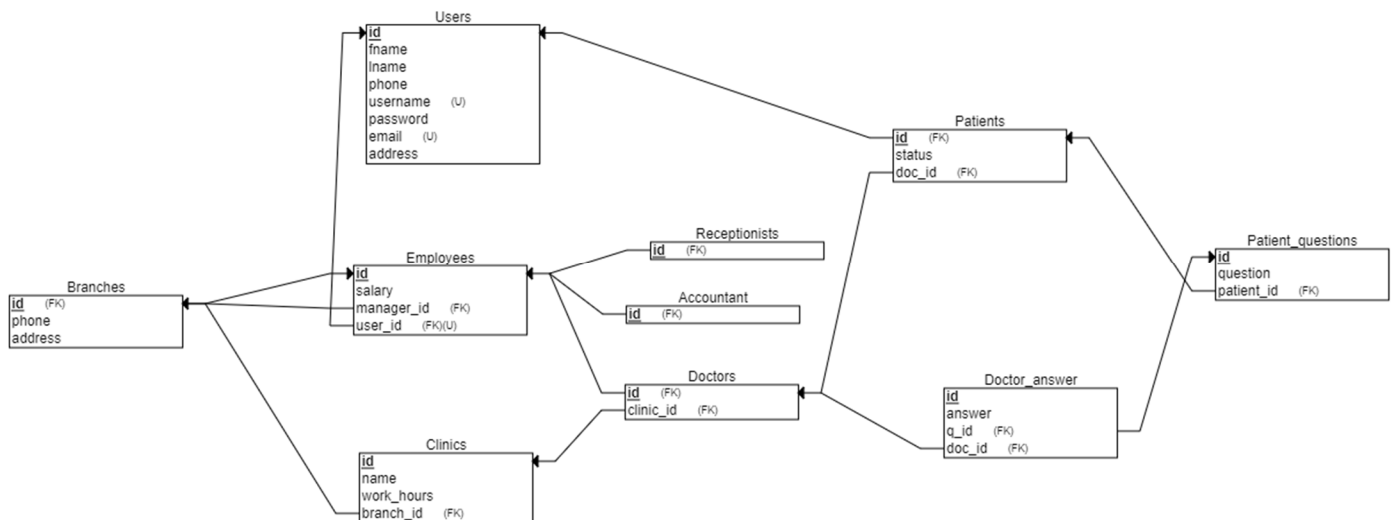
This diagram description the tables and relationships between them.



This below diagram is the same of the above but describing attributes of each table.



This last diagram is the relational database that we will implement for the system depending on the previous ERDs.



This diagram is initial version and can be developed.