



Database for Health Unit for Car Gas Employees <project proposal>

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Project description:

We are trying to design a database system of the health unit of the company in a way that will help the doctors to help the Injured employees in the correct way as fast as possible, so we store some important data about each employee to help in emergency cases , for example,we store if he/she has diabetes , pressure , any allergy from any medicine or any heart problems, in addition to some information about his/her medical family history which are very helpful in the emergency cases,and some others information.

Users

- Administrator.
- Doctor.
- Employee.

Entities:

- Medicine.
- Employee.
- User_Acoount.
- Health_State
- Dependent

Functionalities:

- **Doctor:**

- Get and modify his own personal information..
- Get and modify the employee's medical history.
- Get and modify employee's medical information (health status, medicine).
- Get and modify medicine information

- **Employee:**

- Retrieve his own personal information.

- **Administrator:**

- Get and modify his own personal information.
- Make statistics about health unit

Entities:

- **Employee:**

It is an entity type which contains all employees in the company and their information which are needed for the doctors in the health unit.

It also has a (type) attribute which determines the employee's type ,which will determine the end view he will get in the application program, and database he can retrieve and modify.

- **User_Account:**

It is an entity type that includes username and password for users who are allowed to use the application program and retrieve or modify the database-if allowed to modify-.

- **Dependent:**

It is an entity type that includes the information about the dependents and employees.

- **Health_State:**

It is an entity type that includes the health state information from which doctors get medical information that help them to deal with employees in emergency.

- **Medicine:**

It is an entity type that includes the information about each medicine in the health unit such as price , name and the quantity in each station .

Relations:

- **Take:**

A relationship between Employee and medicine that describes the medicine that the employee takes in the health unit and the relation has the attribute E_quantity that describes the quantity that the employee takes.

- **Dependents of:**

A relationship between Employee and dependent that describes that each employee has dependents so we can know the family health state for Genetic diseases.

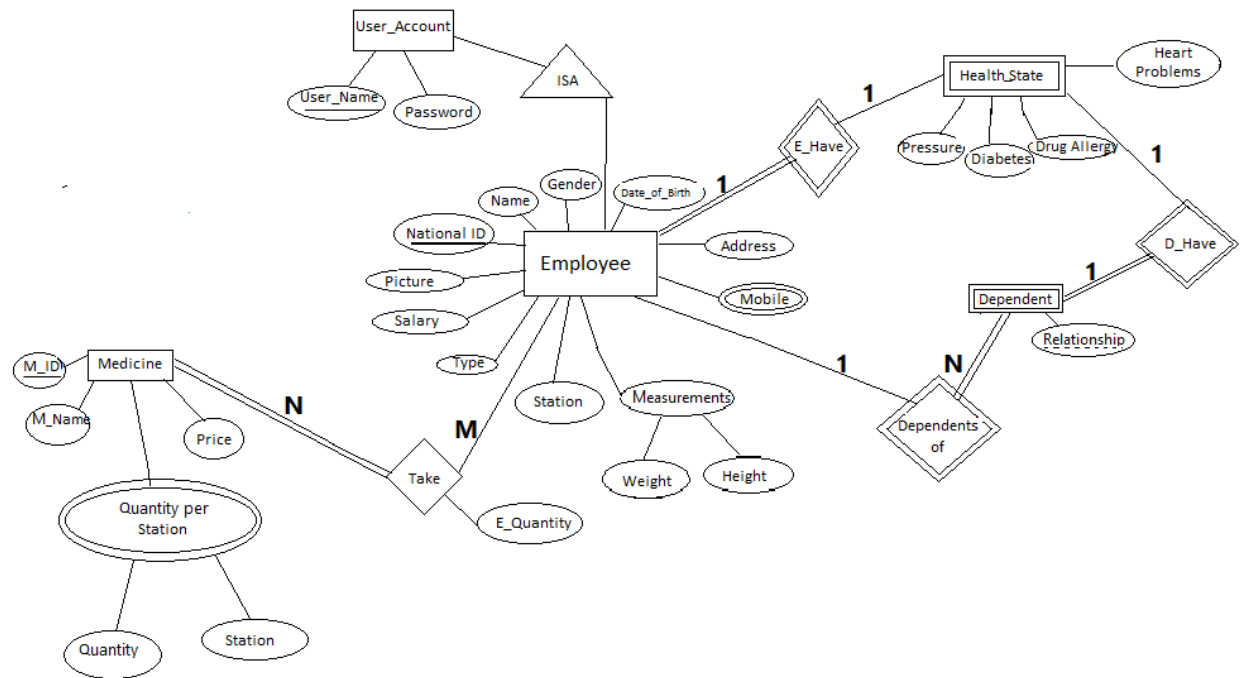
- **E_Have:**

A relationship between Employee and health state that describes the health state of each employee.

- **D_Have:**

A relationship between dependent and health state that describes the health state of each dependent .

ER diagram:



Tables:

1)Employee

<u>National_ID</u>	Name	Gender	Date_of_Birth	Address	Weight	Height	Type	Salary	Picture	Station
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2)Employee_Mobile

<u>National_ID</u>	<u>Mobile</u>
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3)Employee_Health_State

<u>National_ID</u>	Pressure	Diabetes	Drug Allergy	Heart Problem
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4)Dependent_Health_State

<u>National_ID</u>	<u>Relationship</u>	Pressure	Diabetes	Drug Allergy	Heart Problem
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5)Dependent

<u>National_ID</u>	<u>Relationship</u>
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6)User_Account

National_ID	<u>User_Name</u>	Password
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7)Medicine

<u>M_ID</u>	M_Name	Price
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8)Medicine_Quantity_per_Station

<u>M_ID</u>	<u>Quantity</u>	<u>Station</u>
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9)Take

<u>National_ID</u>	<u>M_ID</u>	E_Quantity
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