

AN NAJAH NATIONAL UNIVERSITY



FACULTY OF INFORMATION TECHNOLOGY

computer science department

Database Systems Design

Bank Blood

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Our Project

Our project talks about a blood bank, where there are many hospitals and many centers, and when the hospital needs blood units, it asks the authorities to send them blood units, Where the center will announce their need for blood units , then the user resorts to these centers and registers in the bank to make a donation

main entity

- Hospital
- Blood
- Donor
- Blood bank
- Employee(manager and laboratory technician(nurse))

Our assumptions

Not every hospital has a blood bank, there are some hospitals that don't have a blood bank

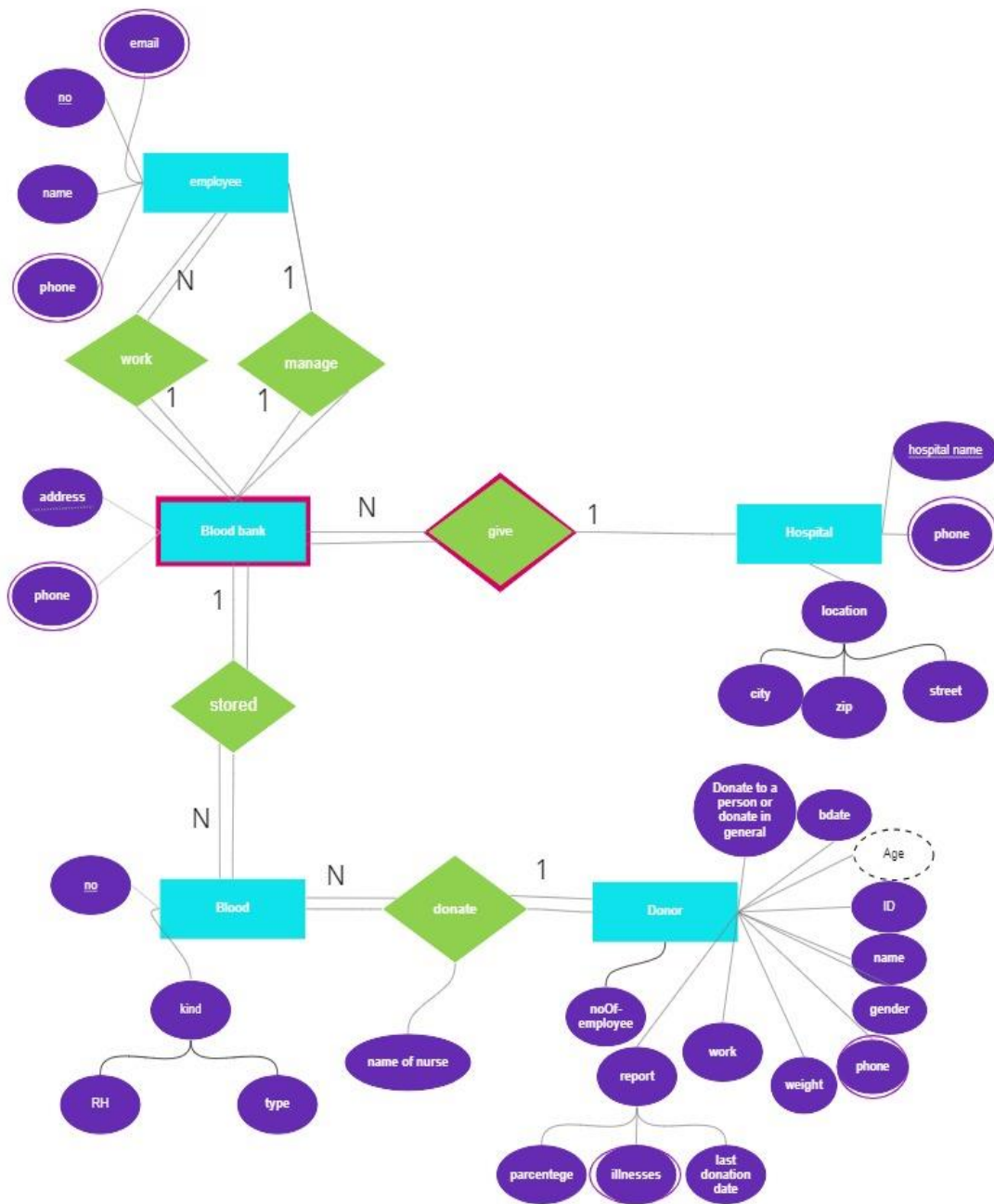
Blood banks send blood units to the hospital when the hospital has no banking units or when there is a shortage

A donor can donate blood 4 months after donating it

For every blood bank there is a manager headed by it

There is a laboratory technician who registers the donors and also draws blood

Entity Relationship Diagram



Relational Schema

Hospital

<u>Hospital_name</u>	City	Zip	street
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Hospital_phone

<u>Hospital_name</u>	<u>Hospital_phone</u>
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Employee

<u>No</u>	Name	address
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Employee_phone

<u>No</u>	<u>phone</u>
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Employee_Email

<u>No</u>	<u>Email</u>
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Blood_bank

<u>address</u>	<u>Hospital_name</u>	no
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
Phone_Of_Blood_Bank

<u>address</u>	<u>phone</u>
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Blood


<u>no</u>	type	RH	id	address	Name Of nurse
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donor



<u>Id</u>	Name	Gender	Weight	bdate	work	Last Donate Date	Percentage	DonateTo PersonOr DonateIn Genertal	No of emp
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Donor_illnesses



<u>Id</u>	<u>illnesses</u>
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An evident for visiting a blood bank

