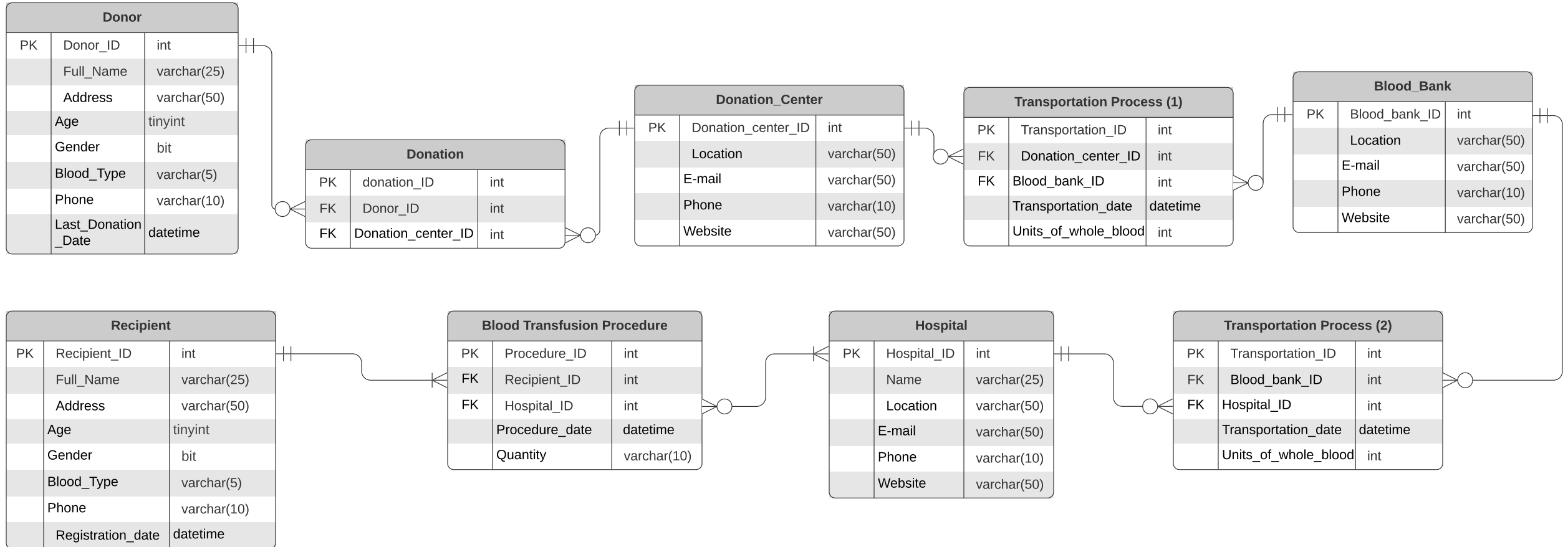


Blood Donation System Database Project

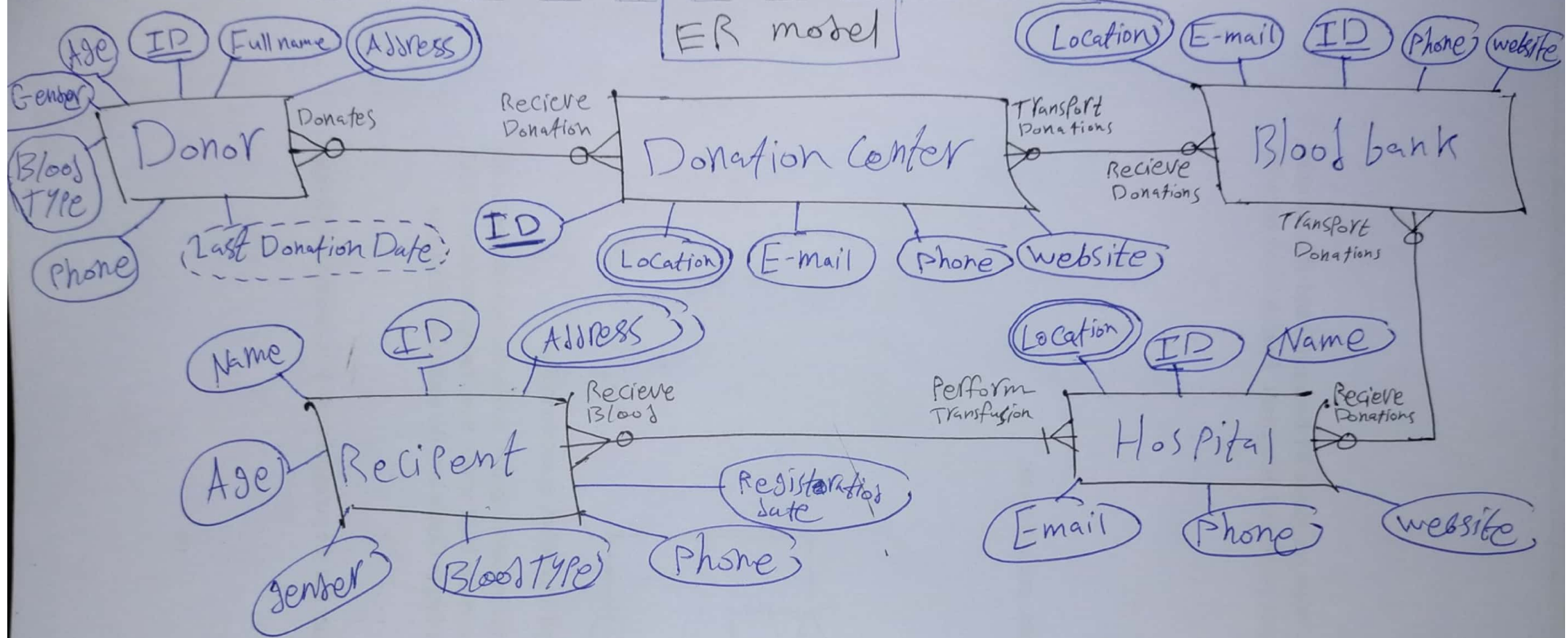
Hesham Omar (20200060) & Mark Joseph (20200225) | May 9, 2021

Blood Donation System Database Project

Hesham Omar (20200060) & Mark Joseph (20200225) | May 9, 2021



ER model



Blood Donation System Database Project (Relational model)

Hesham Omar (20200060) & Mark Joseph (20200225)

Donor

<u>DonorID</u>	DonorName	DonorStreet	DonorCity	DonorState	Age	Gender	BloodType	PhoneNumber	LastDonationDate
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Donation

<u>DonationID</u>	<u>DonorID</u>	<u>DonationCenterID</u>
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DonationCenter

<u>DonationCenterID</u>	DonationCenterName	CenterStreet	CenterCity	CenterState	CenterE-mail	PhoneNumber	Website
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Transportation Process (1)

<u>TransportationID</u>	<u>DonationCenterID</u>	<u>BloodBankID</u>	TransportationDate	UnitsOfWholeBlood
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BloodBank

<u>BloodBankID</u>	BloodBankName	BloodBankStreet	BloodBankCity	BloodBankState	E-mail	PhoneNumber	Website
--------------------	---------------	-----------------	---------------	----------------	--------	-------------	---------

Transportation Process (2)

<u>TransportationID</u>	<u>BloodBankID</u>	<u>HospitalID</u>	TransportationDate	UnitsOfWholeBlood
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Hospital

<u>HospitalID</u>	HospitalName	HospitalStreet	HospitalCity	HospitalState	HospitalE-mail	PhoneNumber	Website
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Blood Transfusion Procedure

<u>ProcedureID</u>	<u>RecipientID</u>	<u>HospitalID</u>	ProcedureDate	Quantity
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Recipient

<u>RecipientID</u>	RecipientName	Street	City	State	Age	Gender	BloodType	PhoneNumber	RegistrationDate
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	TableName	TableDescription	ColumnName	ColumnDataType
1	dbo.sysdiagrams	NULL	name	nvarchar
2	dbo.sysdiagrams	NULL	principal_id	int
3	dbo.sysdiagrams	NULL	diagram_id	int
4	dbo.sysdiagrams	NULL	version	int
5	dbo.sysdiagrams	NULL	definition	varbinary
6	dbo.Donor	NULL	Donor_ID	int
7	dbo.Donor	NULL	Full_Name	varchar
8	dbo.Donor	NULL	Address	varchar
9	dbo.Donor	NULL	Age	tinyint
10	dbo.Donor	NULL	Gender	bit
11	dbo.Donor	NULL	Blood_Type	varchar
12	dbo.Donor	NULL	Phone	varchar
13	dbo.Donor	NULL	Last_Donation _Da...	datetime
14	dbo.Donation_Cent...	NULL	Donation_center_ID	int
15	dbo.Donation_Cent...	NULL	Location	varchar
16	dbo.Donation_Cent...	NULL	E-mail	varchar
17	dbo.Donation_Cent...	NULL	Phone	varchar
18	dbo.Donation_Cent...	NULL	Website	varchar
19	dbo.Blood_Bank	NULL	Blood_bank_ID	int
20	dbo.Blood_Bank	NULL	Location	varchar
21	dbo.Blood_Bank	NULL	E-mail	varchar
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23	dbo.Blood_Bank	NULL	Website	varchar
24	dbo.Hospital	NULL	Hospital_ID	int
25	dbo.Hospital	NULL	Name	varchar
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28	dbo.Hospital	NULL	Phone	varchar
29	dbo.Hospital	NULL	Website	varchar
30	dbo.Recipient	NULL	Recipient_ID	int
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32	dbo.Recipient	NULL	Address	varchar
33	dbo.Recipient	NULL	Age	tinyint
34	dbo.Recipient	NULL	Gender	bit
35	dbo.Recipient	NULL	Blood_Type	varchar
36	dbo.Recipient	NULL	Phone	varchar
37	dbo.Recipient	NULL	Registration_date	datetime
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43	dbo.Transportation...	NULL	Transportation_ID	int
44	dbo.Transportation...	NULL	Donation_center_ID	int
45	dbo.Transportation...	NULL	Blood_bank_ID	int
46	dbo.Transportation...	NULL	Transportation_date	datetime

47	dbo.Transportation...	NULL	Units_of_whole_bl...	int
48	dbo.Transportation...	NULL	Transportation_ID	int
49	dbo.Transportation...	NULL	Blood_bank_ID	int
50	dbo.Transportation...	NULL	Hospital_ID	int
51	dbo.Transportation...	NULL	Transportation_date	datetime
52	dbo.Transportation...	NULL	Units_of_whole_bl...	int
53	dbo.Donation	NULL	donation_ID	int
54	dbo.Donation	NULL	Donor_ID	int
55	dbo.Donation	NULL	Donation_center_ID	int
56	dbo.Donation	NULL	Donation_date	datetime

