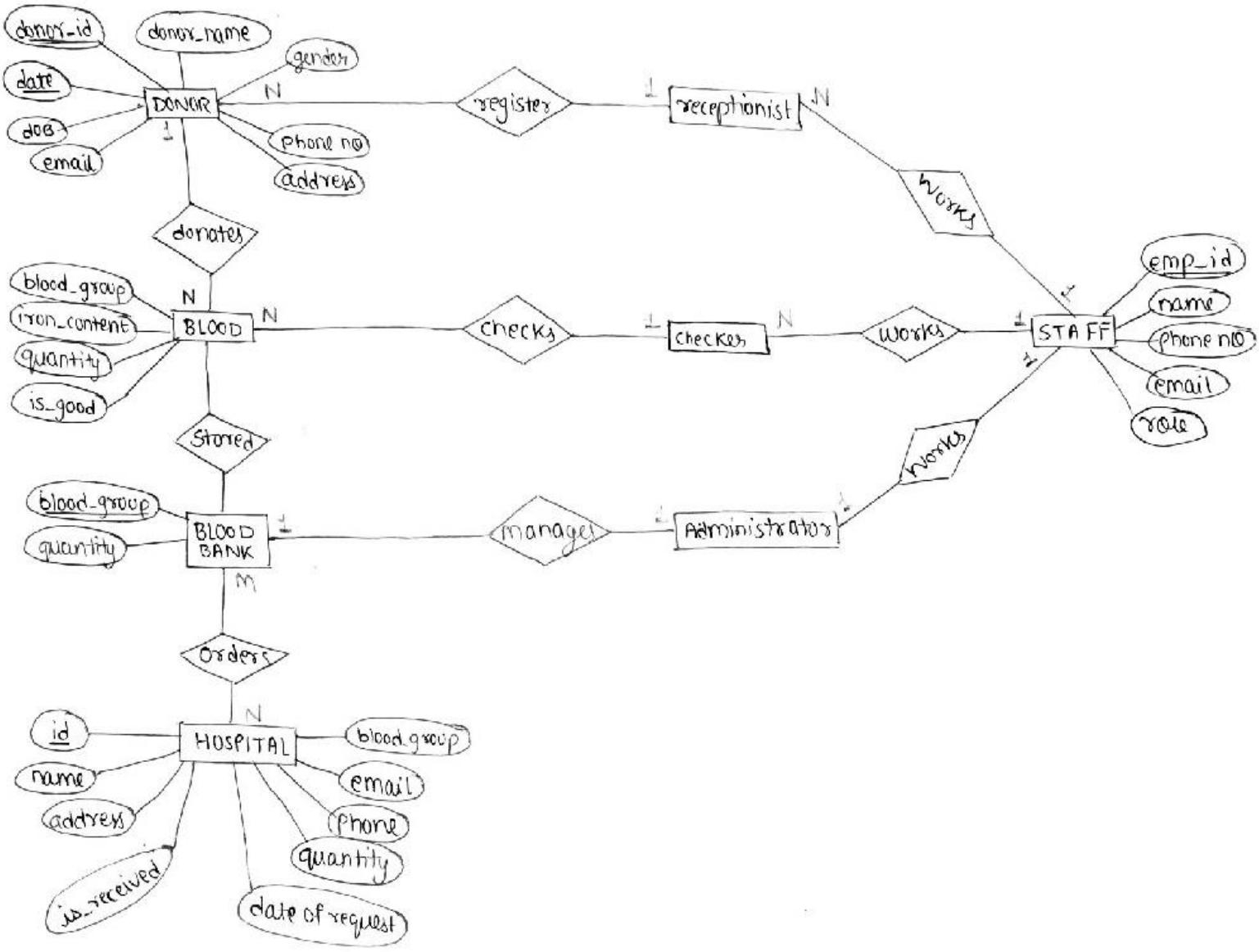
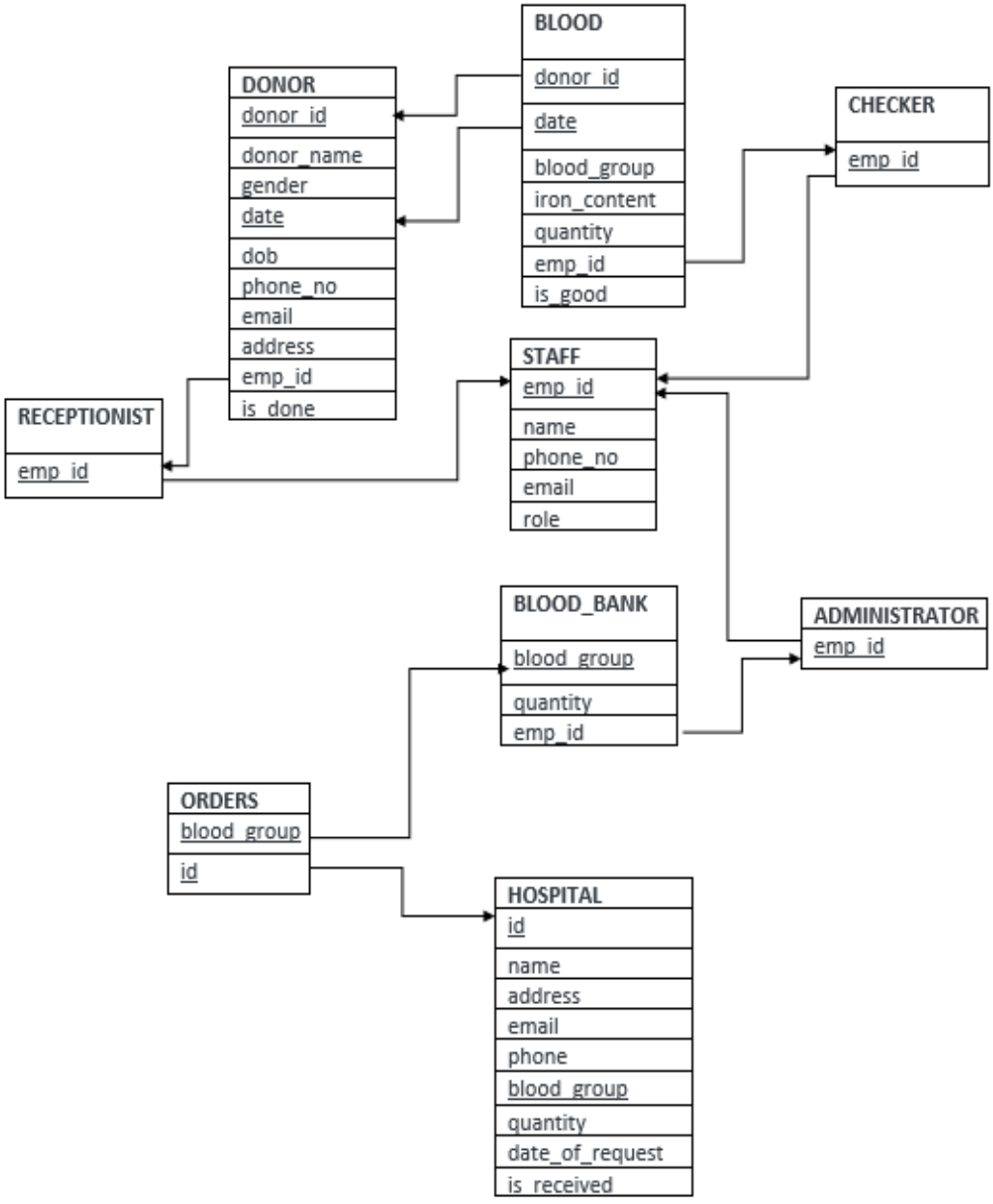
BLOOD BANK MANAGEMENT SYSTEM

1. ER DIAGRAM



2. RELATIONAL SCHEMAS



3. FUNCTIONAL DEPENDENCIES

Table: DONOR
donor_id → {donor_name,gender,dob,phone_no, email, address}
{donor_id,date} → {is_done,emp_id}

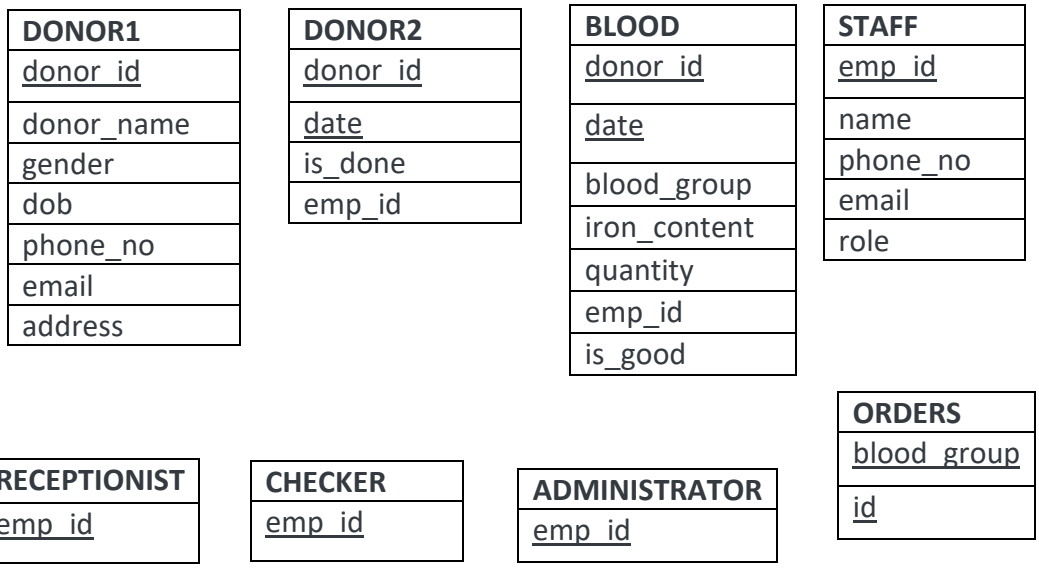
Table: BLOOD
{donor_id, date} → {blood_group, iron_content, quantity, is_good, emp_id}

Table: STAFF
emp_id → {name, phone_no, email, role}

table: BLOOD_BANK
blood_goup→quantity

table: HOSPITAL
id → {name, address, email, phone}
{id, blood_group}->{quantity, date_of_request, is_received}

4. Tables after Normalization



BLOOD_BANK
blood_group
quantity
emp_id

HOSPITAL1
id
name
address
email
phone

HOSPITAL2
id
blood_group
quantity
date_of_request
is_received

Link to Github Code:

https://github.com/Siya2704/DBMS.git