**BUSINESS CONSTRAINTS:**

1. The company is organized into **branches**
2. Each branch has a location (**street\_address, city, zip\_code**) and an **ID number**
3. Each branch may have a **manager** who is identified by her/his **SSN number**
4. All **employees** are identified by their **SSN numbers, first name, and last name**.
5. The **manager** is an **employee** of the company.
6. An **employee** may have a **manager** under whom the **employee** works.
7. An **employee** works in one particular **branch**, and the **manager** of that **branch** (if exists) would be the **manager** of that **employee**.
8. A **donor** provides their **first name, last name, blood group and any underlying condition**. A donor is identified by their **ID** number.
9. A **patient** provides their **first name, last name, blood group and any underlying condition**. A patient is identified by their **ID** number.
10. A **donor** donates a bag of blood, which is identified by its **blood bag ID**. The particular **branch** and the **date** on which the blood is donated is recorded. Additionally, type of donation: (**Red blood cells, platelets, plasma**) is recorded.
11. A **patient** goes to a particular **branch** for a **donor blood bag** on a particular **date**.
12. We keep track of which blood bag (**blood bag ID)** is given to which patient (**patient ID)** by using a separate **transfusion ID.**
13. We also keep track of the **status** of a blood bag (**In Storage, Laboratory, Out of Storage**). The moment the **status** of the blood bag changes, we record the time (**stamp).**
14. Each **branch** has a **monthly expense** which is recorded. The unit price of **RBC, platelets, and plasma** may change so the unit price is stored for each branch.
15. Quantities of **lab equipment, incubators, storage equipment, and donation equipment** for each **branch** is recorded.