



Course Title: Distributed Database Management Lab

Section: 01

Intake: 24

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Project: Blood Bank Management System

What is Blood Bank System (BBMS)?

The basic building aim is to provide blood donation service to the city recently. Blood Bank Management System (BBMS) is a Desktop based application that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank.

This project aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and help them manage in a better way.

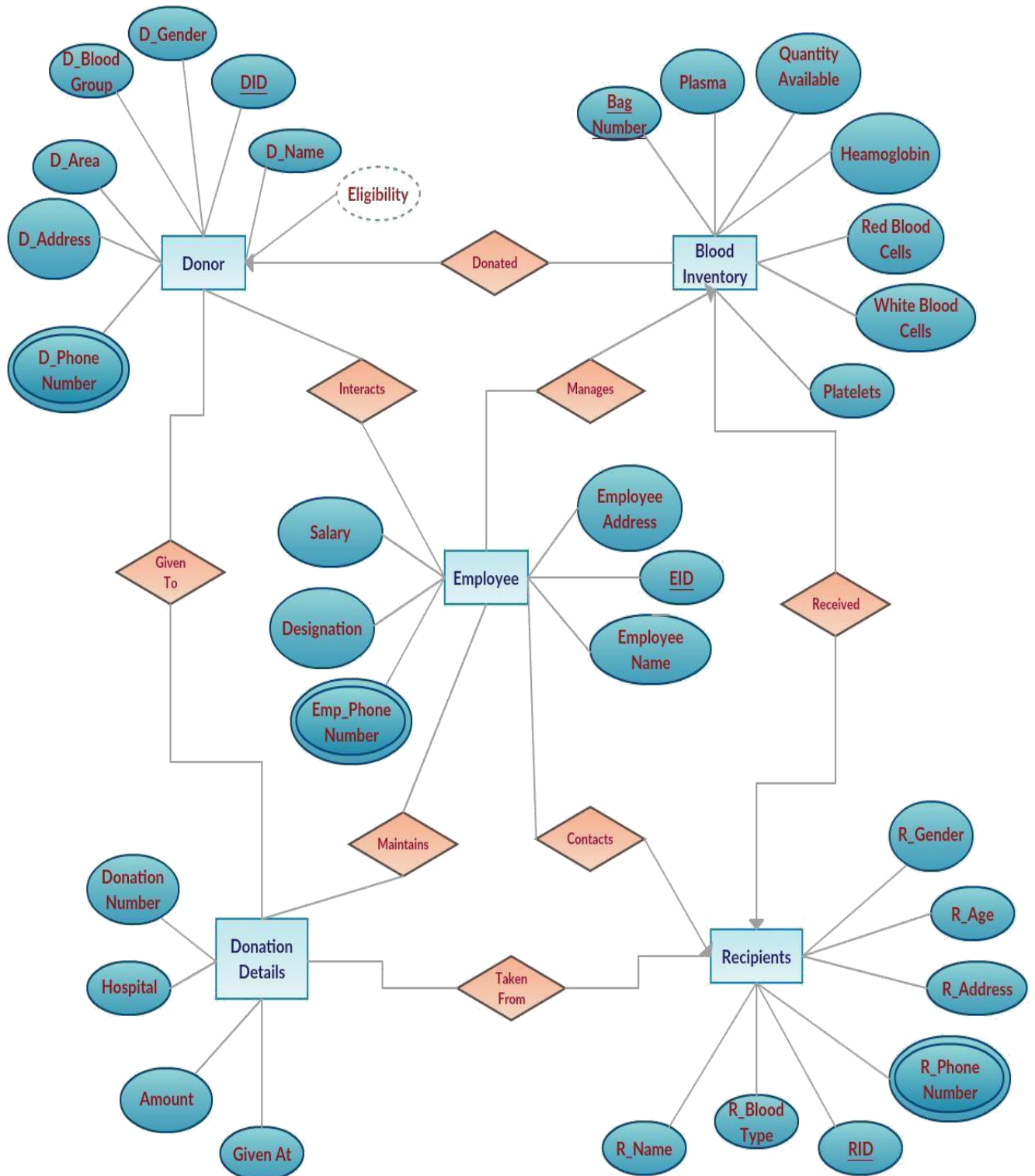
Objective:

The objective of this project is to manage the system of a Blood Bank. It keeps donors' details, blood component stock details, blood request details, recipients' details, and employees' details.

Features:

- 1) Detailed records of the donors', recipients and employees are kept under a database system
- 2) Requests for the blood components are received from patients and hospitals
- 3) Required groups of blood are supplied to the patients as soon as possible
- 4) If required blood is not available at a particular moment, recipients can also contact the donor's via the blood bank
- 5) The following statistical analysis are maintained Blood collection summary Collection of blood group Analysis of blood components

ER-Diagram:



Software Requirements :

- JAVA
- Oracle
- Netbeans, intellij idea

Future Plan:

- 1) In future this project might include online user preferable system.
- 2) It may also include online blood request and many other new modules.