**CASE STUDY: Online Blood Bank**

**Scenario:**

**Problem Statement:** Any person who is in need of blood of a particular blood group has to search blood donors in offline blood banks like hospitals and etc. Also the blood donor has to visit some blood bank to get registered as a donor which is obviously a hectic task for donor as well as patient who needs blood. Also the particular patient can contact only his/her area’s donor only from the blood bank. Donor or patient might feel this hassle or sometimes they may face corruption because there will be no transparency in the process.

**Purposed System**: Blood Bank Management System (BBMS) is a browser and mobile based system 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. Aim is to provide transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of blood bank management effective.

**Use Cases:**

**End User: Donor and patient**

1. Donor can register to donate blood.
2. Patient can also register in order to find blood.
3. Patient can view all the donors available.
4. Patient can contact blood donors via message and call.
5. Donor can update their info.
6. Donor can deactivate his/her account when he/she not ready to donate blood.
7. Patient can search donors according to location, blood group etc.

**Software Resources Required:**

React Js/ Angular

React Native

Miroservice – Spring boot

Java Rest API services

Mongo database

