# Chapter 2

# Software Requirement Specification

## 2.1 Experimental Setup

## For the development of Blood Bank Management System (HMS).First we require project problem statement based on it we develop requirement specification as described in below topic 2.2. After we develop the tables, attributes required for project we develop schema diagram and entity relationship diagram based on relationship and attributes we decide what language we use for frontend based on it we decide our IDE and suitable backend like MYSQL, ORACLE, and SQLite etc.

My Blood Bank Management System uses Java for frontend and suitable Netbeans IDE for it is. I have used an MYSQL client as database as backend for my project.

MySQL Client is used as database as it easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write through MySQL Workbench.

To set up a project here are the steps to be followed:-

1. Open the netbeans app >right click on the given project >select the required project and run the project >choose a folder in the project and enter the required values> save the given details.
2. After entering the details, go to the services and right click on the database and

and see for the required database to be connected to the project and run the given

project so that we can get the details of required person by entering the valid data.

* 1. **Specific Requirements**

**2.2.1 SOFTWARE REQUIREMENTS**

OPERATING SYSTEM : WINDOWS 7,8,10

SOFTWARE REQUIREMENTS : NETBEANS IDE 8.2

DATABASE : MYSOL SERVER

**2.2.2 HARDWARE REQUIREMENTS**

PROCESSOR : x86 COMPATIBLE PROCESSOR

WITH 1.7 GHz CLOCK SPEED

MEMORY : 1GB RAM OR MORE

HARD DISK SPACE : 20GB OR MORE

1/0 DEVICES : KEYBOARD (104 KEYS STANDAERD)

MOUSE (2/3 BUTTON, OPTICAL/MECHANICAL)