

Chapter 3

Requirement Analysis

3.1 Functional Requirements:

3.1.1 Software Requirements:

1) Platform: Windows XP

Platform is any hardware used to host an application or service. ^[9]

2) Language: PHP

A programming language is a formal computer language designed to communicate instructions to a machine, particularly a computer. Programming languages can be used to create programs to control the behavior of a machine or to express algorithms.

3) Mobile Client: Android

Mobile server is a computer system (computer hardware and operating system), that responds to requests across a computer network to provide, or help to provide, a network service, while being easily portable in a laptop form factor.

4) IDE/Tool: Eclipse IDE

An integrated development environment (IDE) is a software application that provides comprehensive facilities to computer programmers for software development.

3.1.2 Hardware Requirements:

1) Processor: Pentium IV

A processor is the logic circuitry that responds to and processes the basic instructions that drive a computer.

2) RAM: 64 MB

Random-access memory (RAM) is a form of computer data storage which stores frequently used program instructions to increase the general speed of a system.

3) Storage: 20 GB

Computer data storage, often called storage or memory, is a technology consisting of computer components and recording media used to retain digital data. It is a core function and fundamental component of computers. ^[6]

4) Mobile Phone: Android Phone

A telephone with access to a cellular radio system so it can be used over a wide area, without a physical connection to a network.

5) Monitor: 15"

A computer monitor or a computer display is an electronic visual display for computers.

3.2 Non-Functional Requirements:

1) Person: A person is required for the transaction of blood.

2) Blood Bank: Blood bank update the user information with medical tests also can add new user and new bank.

3) Admin: Admin manages all the transactions between User, Blood Bank and donor which helps the app to execute effectively.