**TOOLS USED**

* 1. **Software:**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Requirements** | **Tools Used** |
| 1. | Operating System | Windows 7 |
| 2. | Language | Java |
| 3. | Database | MySQL |
| 4. | Tools | Eclipse IDE |
| 5. | Technologies | JSP, HTML, CSS, JQuery, Android |
| 6. | Server | Apache Tomcat Server |

**Table 4.1: Software Requirements**

* 1. **Hardware**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Requirements** | **Hardware Used** |
| 1. | Processor | P IV or Higher |
| 2. | RAM | 256 MB |
| 3. | Space on Disk | Minimum 512 MB |

**Table 4.2: Hardware Requirements**

* 1. **Use of Java Technology**

Java is an object oriented, multi threading programming language developed by Sun Microsystems in 1991. This language was originally called OAK. It is designed to be small, simple and portable across different platforms as well as operating systems.The popularity of Java is due to its unique technology that is designed on the basis of three key elements. They are applets, powerful programming language constructs and a rich set of object classes. The easiest way to get a Java compiler runtime environment is Java Development Kit. This provides system input and output capabilities and other utility functions in addition to classes that support networking, common internet protocols and user interface toolkit functions.

**Features:**

* Platform Independence
* Object Oriented
* Compiler/Interpreter combination
* Robust
  1. **MySQL**

1. Scalability and Flexibility
2. High Performance
3. High Availability
4. Robust Transactional Support
5. Strong Data Protection
6. Comprehensive Application Development
   1. **Java Server Pages**

Java Servlets and Java Server pages provide a secure, robust and platform independent technology for bringing the power of java to e-commerce and enterprise web computing. A Java Server Page is a template for a web page that uses java code to generate a HTML document dynamically. JSPs are run in a server side component known as JSP container; which translates them into equivalent Java Servlet. For this reason, JSP pages and Servlet are intimately related.

* 1. **Apache Tomcat Server**

Apache tomcat server is a servlet container that is used in the official Reference implementation for the Java Servlet and Java Server Pages technologies. The Java Servlet and Java Server Pages are developed by sun under the java community process.

Apache Tomcat is developed in an open and participatory environment and released under the Apache Software License. Apache Tomcat is intended to be a collaboration of the best of breed developers from around the world. It powers numerous large scale, mission critical web applications across a diverse range of industries and organizations.