**Operating Environment**

The software will run in a Windows environment. The Library Management System is a website that will work with all popular browsers, including Microsoft Internet Explorer, Google Chrome, and Mozilla Firefox as examples. It will also work with Internet Explorer 6.0. The majority of the functions will work with Mozilla Firefox and Opera 7.0 or above. The only condition for using this online product is that you have access to the internet. The hardware setup includes a 40 GB hard drive, a 15" color display, and a 122-key keyboard. Keyboard and mouse are essential input devices, whereas monitor and printer are required output devices.

**Assumptions and Dependencies**

**Assumptions**

1.To access their online accounts and perform operations, users must have the necessary usernames and passwords.

2. The website's accessibility.

3. The system should facilitate rapid transactions and include a search function.

4. Users can access from any computer with an Internet connection and Internet surfing capability.

5. Higher storage capacity and allow for quick database access.

6. All users' information, books, and libraries must be maintained in a database.

7.There should be no errors in the code.

8. Available 24 hours a day, 7 days a week.

9.User-friendly, making it simple for people to utilize.

**Dependencies**

1. Any changes to the library book must be recorded in the database, and the information submitted must be accurate.

2.The product should be well understood by the end users (administrators).

3. The precise hardware and software that will be used to execute the product according to the requirements and specifications listed in the specification.

4. A general report should be stored in the system.

5. All the users' information must be saved in a database that the library system may access.