

Requirements Specification

Functional Requirements:

- ✓ An Authentication Page to allow only authorized access to system.
- ✓ Accession Number (Roll Number Book Code and CD/DVD Code) must all be unique as they form the primary keys of the respective tables.
- ✓ All New Students, Books and CD/DVDs must be entered in the accession table first, to avoid problems later.
- ✓ A book must not be deleted from Student Profile unless and until He/She pays the appropriate fine.
- ✓ While inserting values in the database, only Valid Values must be entered.

Data Requirements:

- ✓ The Library Management System shall be required to maintain information about Students, Books and CD/DVDs. Additionally Login Database to manage Librarians using the system.

- ✓ It shall store databases for Login, Students, Books and CD/DVDs.
- ✓ The Login database store information about the username and password having access to the application.
- ✓ The Student database stores information about a Student's Name, His/Her Roll No., Email Address Current Address, Permanent Address, Phone Number, Course and Year.
- ✓ The Book Database stores information about Book Code, Book Title, Author of Book, Price and Roll No. of Student to whom the Book is issued.
- ✓ The CD/DVD Database stores information about CD/DVD Code, CD/DVD Title, ISBN Number, Edition, Publication and Roll No. of Student to whom the CD/DVD is issued.

Software Requirements: The Library Record System is Platform Independent Application so it can run on any Operating system. Therefore only the latest version of Java Binaries is required compatible with the Operating System in use.

Hardware Requirements: Platform Independent Application so Hardware Doesn't Matter till the Java Binaries are available for it.