University of Development Alternative (UODA)
Department of Computer Science and Engineering (CSE)
Semester: 08
Assignment - 02

Q: Read the following sample SRS of a Library Management System and do the following:
1) Draw flowchart of the application.
2) Draw ER Diagram of the application.
3) Write some sample SQL query joining at least 2 (two) relations.

Library management system project SRS document

This page contains Library management system project SRS document. A development process consist of various phases, each phase ending with a defined output. The main reason for having a phased process is that it breaks the problem of developing software into successfully performing a set of phases, each handling a different concern of software development.

Any problem solving in software consist of these steps:

- Requirement Analysis
- Software Design
- Coding
- Testing

Purpose:
The SRS typically contains the brief description of the project. The purpose of the requirement document is to specify all the information required to design, develop and test the software.

- The purpose of this project is to provide a friendly environment to maintain the details of books and library members.
- The main purpose of this project is to maintain easy circulation system using computers and to provide different reports.

Scope: other content (skipped)

Feasibility study: other content (skipped)

Overview:

The implementation of Library Management starts with entering and updating master records like book details, library information. Any further transaction like book issue, book return will automatically update the current books.

..other content (skipped)

Functional requirements:

- ✓ Author entry: In this module we can store the details of the Authors.
- ✓ Book entry: In this module we can store the details of the Books.
- ✓ Register Readers: in this module we can keep the details of the new Readers.
- ✓ Book Rent: This module is used to keep a track of book issue details and Book return.

.. other content (skipped)