PROBLEM STATEMENT:

To practice creating software documentation for all the development life cycle for a real

time application.

**DEVELOPMENT PHASE DOCUMENTATION:**

PROJECT NAME:

"Library Management System"

DESIGN AND DEVELOPMENT PLANNING:

A) Identifying input and outputs:

* The book's name, author, co-author, publication, Edition, Book number ISBN and ISSN

number should be noted down.

* The self number, Issue Date, Return date, staff,/student details are considered. System

Requirement specification (SRS) is prepared.

B) Development Review:

* The project is constantly reviewed whether the project flow resembles the SRS

documentation.

C) Development verification:

* The design of the project is verified so that each & every requirement of the SRS is met.
* Acceptance text procedure (ATP) is prepared.

System flow diagram:

Data base

Availability

Issue

Return

LEVEL 1 SFD:

Data Base

Access Update from issues

Update to data base

Response to user

User details

Return

User details

Issue

Book name

Book no

User

New Arrivals

New entry

Availability

Find if any

Book no/name

Return

Wait for response

ACCEDTANCE TEST PROCEDURE:

* Name of the project: Library management system (LMS)
* Reference of Requirement Document: Annexure I
* Reference of Design Document: Document No.5

Hardware Environment

* Processor: Intel
* Speed: 21.13.GHX
* RAM: 512MB
* Hard disk: 200GB

Post conditions:

The inputs are modified steps took to improve speed.

Test Result:

Expected Success

Actual; partial success

D) Development validation:

The project is evaluated to ensure that the project is beginning implemented as per the

plan. This should be done the project is delivered the customer. Records are maintained for this.

E) Control of Development Changes:

Whenever the changes has been made to any of the work products impact of the

changes has to be estimate and division has to be taken on implementing as discarding the

change records are maintained for this.

Result:

Thus the program was executed successfully.