LAB 3

CASE STUDY 3: LIBRARY MANAGEMENT SYSTEM

1. PROBLEM STATEMENT:

To design an efficient system for an Library management

1. SYSTEM REQUIRMENTS SPECIFICATION (SRS):
2. Introduction:

(1.1)Purpose of documentation: It is necessary to build such a documentation for such kind of a system for easy understanding of how an hotel management system works.

(1.2)Scope of the document: The main aim behind making this document is for easy understanding of the Library management system, different renewal options and buying options available in the library and for what purpose they are for.

(1.3)Overview: The system will give the information regarding the basic fecilities provides by the system in detail.

(2)General Description: The aim behind this system is to fecilitate the user with all the features such order bookings, renewal,membership,cost updates,etc…

(3)Functional Requirements: The software is designed in such a way that

It satisfies all the needs of the customer it gives the latest info on the number of books available , the cost updated time to time, book information, payment information of the customers and all the required data processing is done through the same system accurately .

(4)Interface Requirements: The system has a well define accurate and a well responding interface for the customers. Th interface is developed using programming languages such as python and java. The system has memory space of 2 TB as of now.

(5) Performance Requirements: The system has a memory space of 2TB to store all the customer booking details. This website can be operated on any operating system without system lags and backend is developed using mongo DB.

(6) Design Constraints: The design team can apply their on methodologies for implementing the tools and technologies specified but within the company boundaries.

(7)Non-Functional Requirements: The system is provides with security using Mcaffee security they system is reliable and can also recover from immediate shutdowns and power failure. Enough capacity of the system to store all the important details of the customers.

(8)Prilemenary Schedule and Budget: The project will require a time period of 1 month and budget of 60000rs.

CLASS DIAGRAM