

30/12/24

LAB-2SRS for Library Management System1) Introduction:Purpose:

This document outlines the software requirements for the library management system.

The system will facilitate the online catalog to identify the books; book lending, tracking overdue items.

Scope:

The library management system will provide books, journals, & previous years question papers, newspaper & services for students.

Overview:

It will allow the user to find the required books and get them easily. We can also lend books for limited days.

2) General Description:

- * Book search and catalog management

- * User login & registration

- * Borrowing & returning the item process

- * Overdue tracking & fine calculation

3) Functional requirements:

- * It allows users to search books, journals & newspapers.

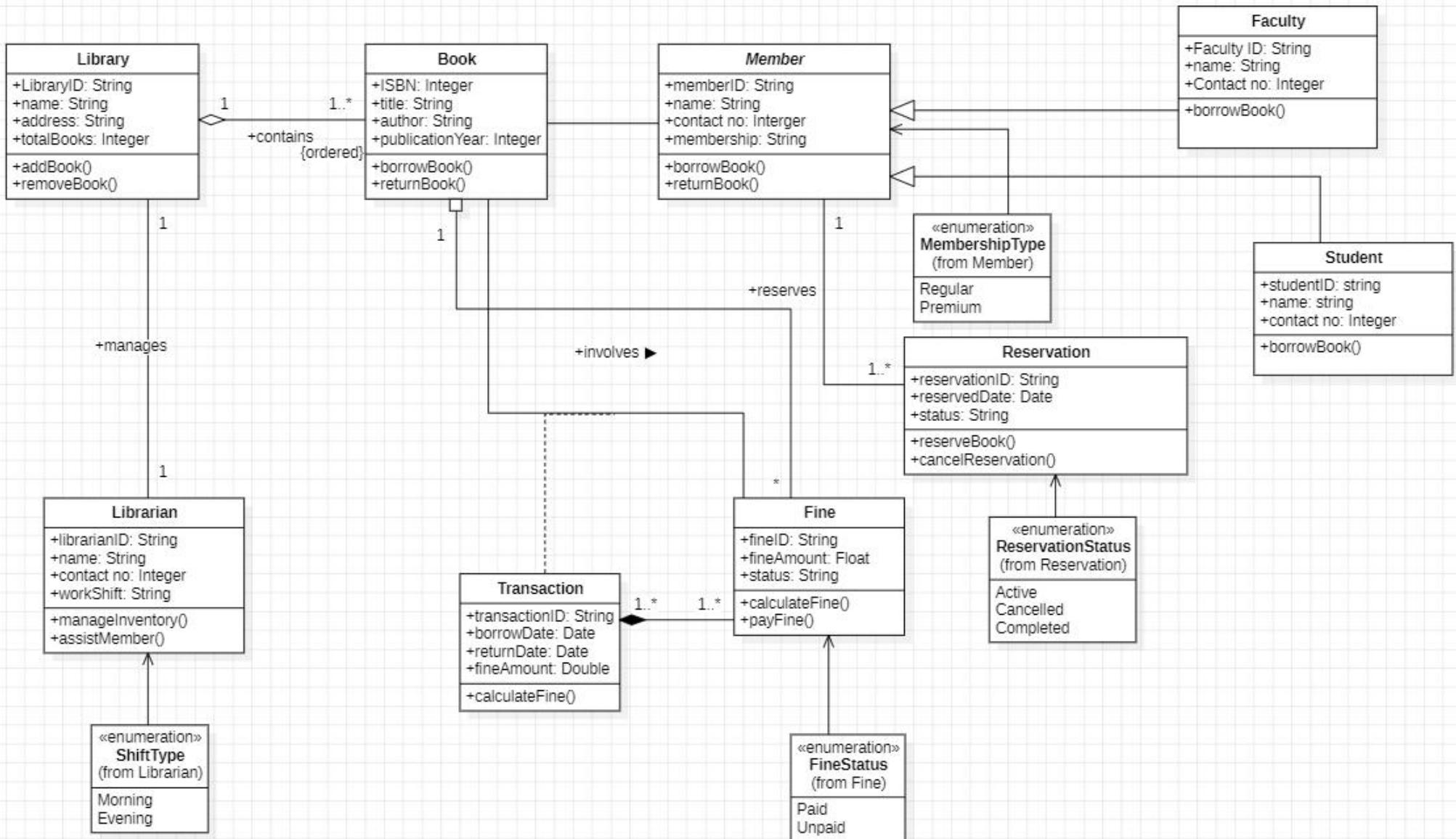
- * Track the books that have been borrowed & returned & their related fine if there is a delay.

- * Add, update or ~~delete~~ the book records in the catalog.
- 4) Interface requirements:
 - * Web interface for members to search books and manage their accounts.
 - * Database to store data related to books & journals.
 - * Integration for the fine payments if there is an overdue.
- 5) Performance Requirements:
 - * It should be able to manage more concurrent users simultaneously.
 - * It should be able to search the required books or journals in less time.
 - * It should be able to update the records immediately after the books are borrowed or returned.
- 6) Design Constraints:
 - * The application must be compatible with all the browsers.
 - * Database should store & retrieve book & user information.
- 7) Non-functional attributes:
 - * The system should be able to work on different platforms.
 - * The system should be able to accommodate the growing no of books & users.

as the library expands.

- 8) Preliminary Schedule & Budget:
- * Taking estimated time for development, testing & deployment. (1 month) (3 months) (1 month)
 - * Taking estimated budget for infrastructure, development, testing & initial maintenance costs. (1,00,000) (30,000) (50,000) (1,00,000)

LIBRARY MANAGEMENT SYSTEM



Library Management System

