Library Management System in Java

Objective/ Vision

A library management software where admin can add/view/delete librarian and librarian can add/view books, issue, view issued books and return books.

Users of the System

1. Admin
2. Libraian

Functional Requirements

**1. Admin**

1. Can add/view/delete librarian
2. Can logout

**2. Librarian**

1. Can add/view books
2. Can issue books
3. View issued books
4. Return Books
5. Can logout

Phases and Technologies

Phase 1. MANDATORY

Console based project (using main method) using JDBC JAVA OBJECT ORIENTED ONCEPTS

Exception Handling & COLLECTIONS MY SQL 8.0

BUSINESS LOGIC : JAVA COLLECTIONS EXCEPTION HANDLING

Front end : NIL

BACK END : MYSQL

Phase 2. MANDATORY

Web application project using web technologies Servlet JSP HTML CSS JAVA SCRIPT BOOT STRAP

MYSQL

Front end HTML CSS JAVA SCRIPT BOOT STRAP

Middleware JSP SERVLET

back end mysql

Phase 3 MANDATORY

Web application project using Spring MVC and Spring JDBC or Hibernate

MYSQL

Front end JSP

back end spring MVC mysql spring JDBC HIBERNATE

Phase 4 MANDATORY

Web application & REST application project using Spring Boot 2.5 JPA Mysql JSP

Front end JSP

back end spring boot mysql JPA

Phase 5 (Optional NOT MANDATORY)

Web application project using Spring Boot 2.5 JPA Mysql React

Front end REACT

back end spring boot mysql JPA





