

Tiny Library Book Store Management System

Phase 1: Requirement Analysis

- Admin will create and delete Managers
- Manager can Add New Books
- Manager can update current books stock
- Manager can search book stock
- Manager can delete Books

Phase 2: Frontend (GUI) Design

1. Users Form



2. Admin Login



3. Admin_Manager_Create (Insert & Delete Operation)

Manager List

Manager Username	Password	

New Manager Entry

Manager Name

Password

Manager Delete

Manager Name

4. ManagerNewBookEntry (Insert Operation)

New Book Entry

Book Name

Catagory Name

Book Publish Year

Entry Date

Writer Name

Quantity

5. Manager_Edit_Book_Info (Update Operation)

Update Book Stock

Search By

Enter

Book Name

Catagory Name

Book Publish Year

Entry Date

Writer Name

Old Quantity

New Quantity

6. Manager_Book_Search (View & Search Operation)

[illegible]

7. Manager_Delete_Book (Delete Operation)

Delete Book Stock

Search By

Enter

ok

cancel

Phase 3: Backend (Database) Design

Database Tables

Database name: LibraryBookStore

Table Name: Login

username varchar(50)	password varchar(50)
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Login Table Data

Username	Password
admin	admin

Table Name: ManagerBookEntry

BookName varchar(100)

BookPublishYear int

WriterName varchar(100)

QuantityOfBook int

CatagoryName varchar(100)

EntryDate date

AvailiableBook int

BorrowBook int

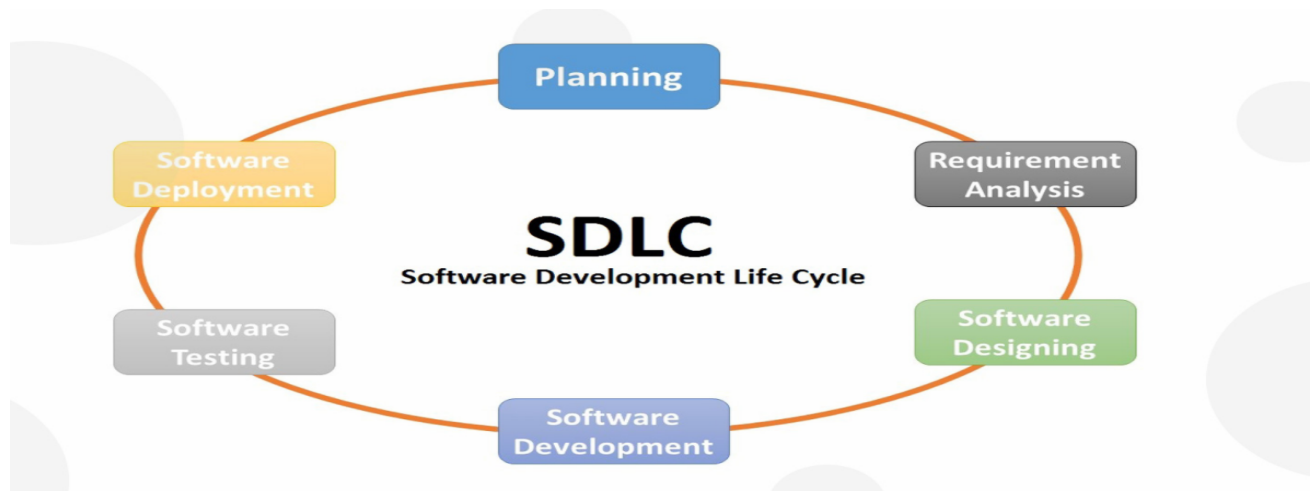
Phase 4: Testing Phase

Ensure that data must be stored in the appropriate format in the database.

Use **try and catch** in the code section for handling unwanted code interruption.

Final Phase: Project Completion Phase

Congratulation to all of the groups who can complete successfully the above four phase of the development.



Instructions for Project Development

Frontend: Create the GUI of Each Form for the project

Backend: Developed the Database for the course

Coding Phase: Connect the GUI part with DATABASE for the development of the project

Development Time Frame

Frontend Development: 2 Hours (GUI Design Given)

Backend Database Store: 2 Hours (Database Design Given)

- If you need to use any extra table, you are welcome to add it for the development purpose
- Any type of change is always welcome but must ensure the features.

Coding Phase: 2 Days (As it is a group project, you can divide your works to your group members)

Submission Deadline: 26/4/2022

Time: 12.00 pm

Project Type: Single Project

Project Demonstration: 27/4/2022