SOFTWARE ENGINEERING PROPOSAL

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PROJECT TITLE

LIBRARY MANAGEMENT SYSTEM

1. Motivation:

The motivation is to provide complete solutions for customers as well as administrators through a single platform using the internet as a sole medium for empowering the customers to purchase online products.

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2. Functional Features

Specify the features of your project which would make it significant for the evaluators.
1. Administrator:
*1. **Database Management:** Control the database and keep track of all records of customers, orders, products and employee details.*

*2. **Buying From Vendors:** Contact with the vendors and buy products from them to sell products.*

*3. **View all details:** View the details of all employees and control the whole site.*

*4. **Supplier:** Admin can assign ordered products to relative supplier.*

*5. **Search:** Admin can search in his panel.*

*6. **Rejection of Orders:** Admin can reject orders in case of any disruption.*

*7. **View Product Stocks:** Administrator keeps track of each product item's stocks for selling purpose through website.*

*8. **View customer details:** View the personal details of the customer.*

9. **Managing Sales to Customers:**Responsible for properly allocating the selected product according to the customer's choice and delivering product to the customer.

10. **View Product Stocks:**Administrator keeps track of each product item's stocks for selling purpose through website.

2. Customers:
1. **Login:** Customers must have a valid login id to enter into the site.

2. **Registration:** New users can sign up by creating new ID.

3. **View and edit Own Details:** Can view/edit his personal details, payment details.

Choosing and comparing products: Can view all available products and can compare them and make a choice for purchasing products.

5. **Giving Feedback to Customer Care:** Can give feedback to the 24X7 Customer Care Service center about their impression for the site and services.

6. **Logout:** Customer must logout of the site after purchasing products.

7. **Add to Cart:** Customer can add products to their carts.

8. **Add to Wish List:** Customer can add products to their wish list.

9. **Search Products:** Customer can search products of their desired choice.

10. **Change Quantity of Products:** Customer can change the quantity of the products while ordering.

11. **Consulting with Administrator:** User can consult with the Administrator regarding product's quality and orders through email.

12. **Customer Care:** Getting Feedback from the Customers, Responsible for receiving complaints, queries and feedback from the customers.
"Will demonstrate implemention of all engineering activities expected under different pahses of SDLC on Product Development".
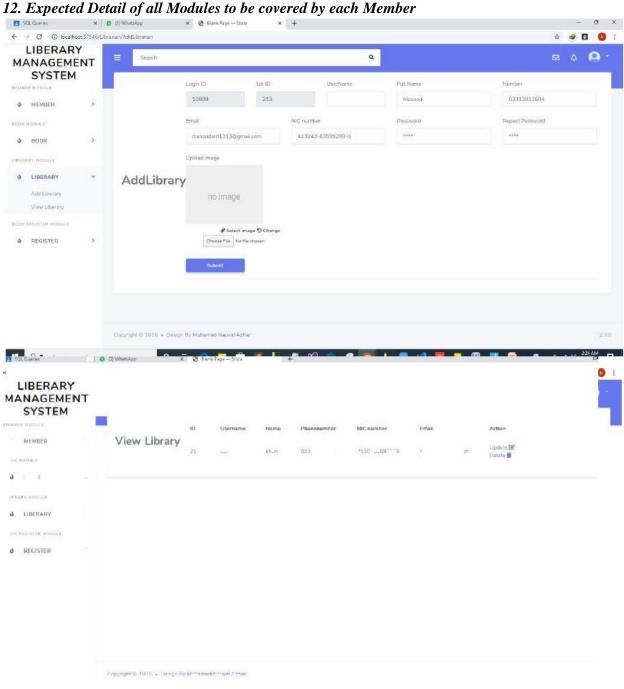11. List down 5 unique but relevant Modules/Features for 5 members

SDLC Phases:
  ➢ Requirement Gathering
  ➢ Planning
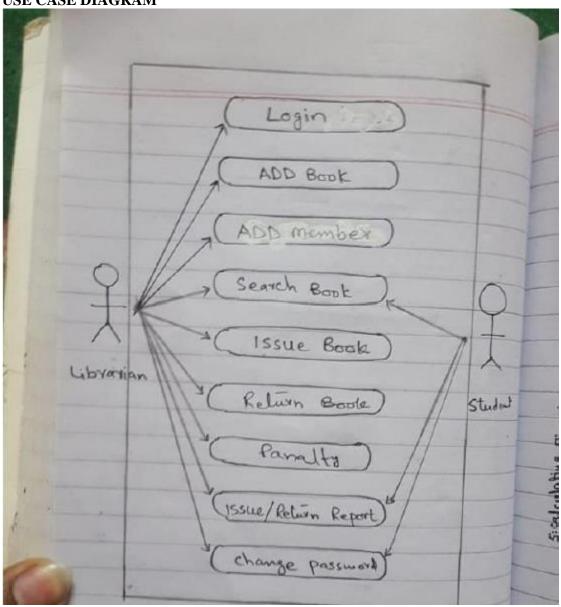 ➢ Analysis
  ➢ Design
  ➢ Testing
  ➢ Implementation
  ➢ Review

In Phases Requirement gathering, planning, Analysyis all project members worked together, after analysyis phase working is distributed as follows:

a. **Module 1:** Member Maintenance Module

b. **Module 2:** Book Maintenance Module

c. **Module 3:** Publisher Maintenance Module

d. **Module 4:** Report Module

e. **Module 5:** Book Transaction Module

12. Expected Detail of all Modules to be covered by each Member

USE CASE DIAGRAM

3. Project Planning
Provide a detailed schedule for the successful completion of the project using Gantt charts for this purpose. (You may attach some extra sheet)

DISTRIBUTED TASK	ASSIGNED TO
Setting Up the Project Environment (Preapre Visual Studio and SQL for project running) + Database Identify the modules in the project	**HASSAN HABIB KHAN**
Draw Flow Diagram Of the Website in the proposal+Write Functional Features of the Application (half)	**MASOOD ARIF**

Write Project Planning Part in the Proposal	**MUHAMMAD OSAMA**
Write Modules Part in the Proposal	**MUHAMMAD HASSAAN**
Write remaining functional features and motivation part in the proposal	**SUMAIR UL HAQ**