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Library Management System

Prepared by

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Project Proposal

Assignment # 1

Introduction :

The library management system will maintain information related to students and librarian working in a university. It will store information in the MsSQL database. For user interface, C# .Net Framework will be used. The details of the project are given below:

List of Objects

The project mainly consists of following entities.

1. Librarian

2. Student

3. Department

4. Branch

5. Book

6. Publication

7. Announcements

Detailed functions

1. Librarian

Function Name	Description
Add Student	Add a new students to database
Delete Student	Delete an existing student from database using student ID
Update Student	Update an existing student from database using student ID
Add Book	Add a new books to database
Delete Book	Delete an existing books from database using book ID
Update Book	Update an existing books from database using book ID
Issue Book	Deliver the book to the student
Issue Book Report	Show the status of the book
Return Book	Retrieving the book from the student
Search by Name	Search books by name
Search by Name	Search students by name
Search by ID	Search students by ID
Srch by Department	Search students by department
Srch by Publication	Search books by publication
Add Publication	Add a new Publication to database
Srch by Branch	Search branch by name
Add Branch	Add a new branch to database
Add Announcements	Add a new announcements
Update Announcements	Edit existing announcement
Delete Announcements	Delete announcement
Penalty	Add and show penalty
Login	Log into the system
Logout	Log out of the system

2.Student

Function Name	Description
Show Account	Shows student information
Edit Account	Changing student's information
Change Password	Changing Student's password
Barrow Book	Shows student borrowed books
Return Book	Shows the books the student has barrowed before
Announcements	Show Announcements
Penalty	Show penalty
Login	Log in of the system
Logout	Log out of the system

3.Department

Function Name	Description
Add	Add a new department
Update	Update department
Delete	Delete department
View	View all department
Search	Search department name

4.Branch

Function Name	Description
Add	Add new branch
Update	Update branch
Delete	Delete branch
View	View all branch
Search	Search branch name

5.Book

Function Name	Description
Add	Add new book
Update	Update book
Delete	Delete book
View	View all book
Search	Search book name

6.Publication

Function Name	Description
Add	Add new class
Update	Update Publication
Delete	Delete Publication
View	View all Publication
Search	Search Publication name

7. Announcements

Function Name	Description
Add	Add new announcement
Update	Edit existing announcement
Delete	Delete announcement
View	List all announcement