Library Management System

Sub Classes: User, Book, Librarian, Library database

Description:

Attributes:

Name	Description
Usertype	Librarian or a regular user
Username	Store and manage a username for
Password	Password for user

Responsibilities:

Name	Collaborator
Login	User
Register	User
Logout	User

User

Super Classes:

Sub Classes:

Description:

Attributes:

Name	Description
Name	Name of the Student
Id	ID of the student

Responsibilities:

Name	Collaborator
Verfiy	Account
CheckAccount	Librarian
getbookinfo	Book
operation	

Book

Super Classes: Library Management System

Description:

Attributes:

Name	Description
Title	Title for the book
Author	Author of the book
Publication	Publication of the book

Responsibilities:

Name	Collaborator
Show_duedate	Library Database
Reservationstatus	Library Database
feedback	User

Librarian

Super Classes:

Sub Classes:

Description:

Attributes:

Name	Description
Name	Name of the librarian
ID	Id for the librarian
Password	Password for a specific id

Responsibilities:

Name	Collaborator
Verfiy_Librarian	Library database
Search	User or book

Library Database

Super Classes: Library Management System

Description:

Attributes:

Name	Description
List_of_books	

Responsibilities:

Name	Collaborator
Add	User, Librarian, Book
Delete	User, Librarian, Book
Update	Account
Display	Transaction

Student

Super Classes: User

Description:

Attributes:

Name	Description
Class	

Responsibilities:

Name	Collaborator

Account

Super Classes: User

Description:

Attributes:

Name	Description
no_borrowed_books	
no_reserved_books	
no_lost_books	
fine_amount	

Responsibilities:

Name	Collaborator
Calculate_fine	User, LIbrary Database