BBM 487 – SOFTWARE ENGINEERING LABORATORY

LIBRARY BOOK LOAN SYSTEM

Test Case

GROUP 10

Hülya Şermin KARAKAŞ - 21591198
Sefa FERUZOĞLU - 21228338
Berat Göksel ATLI - 21327656

1 - Login Case

Description : login to the system with username and password
Pre-conditions : The user must be a member or administrator.
Post-conditions: If the member is the member's homepage, admin is the administrator's page.
Data required:
   User name : String
   Password   : String

1.1 - Login Page with right input

 Description : The entered user name and password can be entered into the system if it is correct.
 Pre-conditions: User name and password must be entered and the login key must be pressed.
Post-conditions: User, the user screen opens. If you are an administrator, the administrator screen opens.

Data-required:

   Username : valid string

   Password : valid string

1.2 - Login Page with wrong input

Description : The entered user name and password can be entered
into the system if it is false.
Pre-conditions: User name and password must be entered and the login key must be pressed.
Post-conditions: The user gets the wrong username
or password.
Data-required:
   Username : invalid string
      or
   Password : invalid string

2 - Logout Case

Description : If the user or administrator wants to exit the system.
Pre-conditions: It must be an account with access to the library system
Post-conditions: The library system is exited and the login screen comes again
Data required : No data is needed for this.

3 - Search Books Case

Description : The user may or may not have logged into the system.
Pre-conditions: Entering a name on an account that has logged into the system or entering the system without entering the system and pressing the search key.
Post-conditions: Displaying the books found in the search result.
Data required:
   Book name : String
   Book ID : int
   Author of book : String
   status of book : bool

3.1 - Search for Books with correct input

Description : The user may or may not have logged into the system.

pre-conditions: The book search is performed as specified by the system and the search button is pressed.

Post-conditions: If there is a book searched in the system, the searched book is shown or otherwise there is no such message in the book system.

Data required:
>Book name : String
>Book ID : int
>Author of book : String
>status of book : bool

3.2 - Search for Books with incorrect input

Description : The user may or may not have logged into the system.

Pre-conditions: The book search is performed as specified by the system and the search button is pressed.

Post-conditions: If no search has been made as specified by the system, a message is displayed indicating an incorrect search.

4 - Manipulate book Case

Description : The administrator adds a new book to the system, updates or deletes existing book information.

Pre-conditions: Entrance into the system as an administrator.

Post-conditions : Add books, change their information, delete them.

Data required :
>Book name : String
>Book ID : int
>Author of book : String
>Admin Information

4.1 - Create Book

Description : If the administrator wants to add new books to the system, he can enter the information and add books.

Pre-conditions: The person to add the book must be absolutely admin.

Post-conditions: Book is created

Data required :
>Book name : String
>Book ID : int
>Author of book : String
>Admin information

4.1.1 - Create Book with already existing book

Description : If the administrator wants to add new books to the system, he can enter the information and add books.

Pre-conditions: The person who is trying to add books must be the administrator and the book to be added must be in the system.
Post-conditions: Program gives an error message.
Data required :
      Book name : String
      Book ID : int
      Author of book : String
      Admin Information

4.2 - Update Book

Description : The administrator will write which book you want to update and press update buton.
Pre-conditions : The person performing the transaction must be the administrator.
Post-conditions: Book is updated in the system.
Data required :
      Book name : String
      Book ID : int
      Author of book : String
      Admin Information

4.2.1 - Update Book with already existing bookname

Description : The administrator will write which book you want to update and press update buton.
Pre-conditions: The person performing the transaction must be the administrator.
Post-conditions : Program gives an error massage.
Data required :
      Book name : String
      Book ID : int
      Author of book : String
      Admin Information

4.3 - Delete Book

Description : The administrator will write which book you want to delete and press delete buton.
Pre-conditions : The person performing the transaction must be the administrator.
Post-conditions: Book is deleted.
Data required :
      Book name : String
      Book ID : int
      Author of book : String
      Admin Information

4.3.1 - Delete Book with bookname that does not exist in the system

Description : The administrator will write which book you want to delete and press delete buton.
Pre-conditions : The person performing the transaction must be the administrator.
Post-conditions: Program gives an error message.
Data required :
      Book name : String
      Book ID : int
      Author of book : String
      Admin Information

5 - Manipulate member Case

Description : The administrator can add, delete or update information in the system.
Pre-conditions: The person performing the transaction must be the administrator.
Post-conditions: Customer information changes
Data required:
> User Information
> Admin Information

5.1 - Create member

Description : The administrator can add the person's information to add to the system and add the person.
Pre-conditions : The person performing the transaction must be the administrator.
Post-conditions: Customer added.
Data required:
> User Information
> Admin Information

5.1.1 - Create member with existing user name

Description : If the administrator wants to add someone who is on the system
Pre-conditions : The person performing the transaction must be the administrator
Post-conditions : Program gives an error message.
Data required :
> User Information
> Admin Information

5.2 - Update member

Description : If the administrator wants to add someone's information who is on the system
Pre-conditions : The person performing the transaction must be the administrator
Post-conditions : Customer updated.
Data required:
> User Information
> Admin Information

5.2.1 - Update member name with existing user name

Description : The administrator is changing the same user.
Pre-conditions : The person performing the transaction must be the administrator
Post-conditions : Program gives an error message.
Data required:
> User Information
> Admin Information

5.3 - Delete member

Description : The administrator can delete customer from the
system
Pre-conditions : The person performing the transaction must be the
administrator
Post-conditions : Customer deleted.
Data required:
      User Information
      Admin Information

5.3.1 - Delete member whose user name does not exist

Description : The administrator can not delete a customer whose name
does not exist in the system
Pre-conditions : The person performing the transaction must be the
administrator
Post-conditions : Program gives an error message.
Data required:
      User Information
      Admin Information