HACETTEPE UNIVERSITY DEPARTMENT OF COMPUTER ENGINEERING
BBM487: SOFTWARE ENGINEERING LABORATORY

TEST CASE DESCRIPTION

GROUP - 6

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<1> - <Login>:

Description: It is the case where a user tries to log in to the system. User enters the email and password. System gives access to user if the email and password are both valid.

Pre-conditions:
- Email must be correct.
- Password must be correct.

Post-conditions:
- Session is started.

Data required:
- Email
- Password

<2> - <Logout>:

Description: It is the case where a user tries to log out from the system. User clicks the logout button. System gives confirmation message to inform user during log out.

Pre-conditions:
- User must be logged in.

Post-conditions:
- Session is ended.
- User must be logged out.

Data required:
- Session information.

<3> - <Add Book>:

Description: It is case where the admin tries to add a book to library. Admin enters all the needed information. System adds the book to database. Admin is directed to book list.

Pre-conditions:
- Admin login.

Post-conditions:
- Book is available

Data required:
- Book title
- Author name
- Release year
- Barcode

<4> - <Update Book>:

Description: It is the case where the admin tries to change information of the specific book. Admin chooses the book from list, changes the data in the next page. After pressing the update button system updates the book in the database. Admin is directed to book list.

Pre-conditions:
- Admin login.

Post-conditions:

Data required:
- The data which is wanted to be changed.

<5> - <Delete Book>:

Description: It is the case where the admin tries to delete a book from system. Admin chooses the book from list, presses the delete button in the opened page. System deletes the book in the database. Admin is directed to book list.

Pre-conditions:
- Admin login.

Post-conditions:
- Book doesn't exists.

Data required:

<6> - <Borrow Book Available>:

Description: It is the case where a user tries to borrow a book. User chooses the book from list, presses the borrow button in the opened page. System lends the book to user for 15 days and gives confirmation message to user.

Pre-conditions:
- User login.
- Book is available.

Post-conditions:
-Book is not available.

Data required:

<7> - <Borrow Book Not Available>:

Description: It is the case where a user tries to borrow a book. User chooses the book from list in the opened page user presses add book to waiting list. System adds user to waiting list of that book.

Pre-conditions:
- User login.
- Book is not available.

Post-conditions:
-Waiting list contains one more name

Data required:

<8> - <Return Book>:

Description: It is the case where a user tries to return a borrowed book. User clicks my books button. Chooses the book. In the opened page clicks the return button.

Pre-conditions:
- User login.
- Book has borrowed.

Post-conditions:
- Book is available.

Data required:

<9> - <Search Book>:

Description: It is the case where a registered user or a guest searches for a specific book. The user/guest types the name of the specific book to the given area. System returns a list of books that matches the given information.

Pre-conditions:

Post-conditions:

Data required:

<10> - <Update User>:

Description: It is the case where the admin tries to change information of a user. Admin chooses the user from list, changes the data in the next page. After pressing the update button system updates the user in the database. Admin is directed to user list.

Pre-conditions:
- Admin login.

Post-conditions:
-

Data required:
- The user data which is wanted to be changed.

<11> - <Delete User>:

Description: It is the case where the admin tries to delete a user from system. Admin chooses the user from list, presses the delete button in the opened page. System deletes the user in the database. Admin is directed to user list.

Pre-conditions:
- Admin login.

Post-conditions:
- User doesn't exist.

Data required:

<12> - <View My Books>:

Description: It is the case where a user tries to view his/her books that have borrowed by them. User clicks the view my books button and sees the list of books borrowed.

Pre-conditions:
- User login.

Post-conditions:

Data required:

<13> - <Pay Fine>:

Description: It is the case where a user tries to pay for late fine. User clicks the pay button. System directs the user to bank page.

Pre-conditions:
- User login.
- Book that has not been returned by due time

Post-conditions:
-

Data required:
- Fine amount.

<14> - <User Inform For Available Book>:

Description: It is the case where the system informs the user on top of the waiting list when the book is available. User receives the information in his/her message box.

Pre-conditions:
- Book is available.

Post-conditions:
- User has the message.

Data required:
- User id on top of the waiting list.

<15> - <User Inform For Late Book>:

Description: It is the case where the system informs the user who has passed the 15 days period for a book. User receives the warning in his/her message box.

Pre-conditions:
- 15 days between that day and lend day.

Post-conditions:
- User has the message.
- Fine is started to being counted daily.

Data required: