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#	Use case	Function	Initial state	Input	Expected output
1	Login	User sign in	Login window open	Correct login/password pair	User successfully logged in
2	Login	User sign in	Login window open	Incorrect login/password pair	Login fail error message shown
3	Search for books	Book search	Book searching window open	Books search for	List of found books
4	Search for books	Book search	Book searching window open	Not existing books name	Ask for another book name
6	Add name to book waiting list	Add to waiting list	Waiting list window open	Book name	Name added to waiting list
7	Self check out	Borrow a book	Self check out window open	A book scan Correct login/password pair	A book borrowed successfully
8	Self check out	Borrow a book	Self check out window open	A book scan Incorrect login/password pair	Ask for sign in again
9	Self return	Return a book	Self return window open	A book scan Correct login/password pair	A book returned successfully
10	Self return	Return a book	Self return window open	A book scan Incorrect login/password pair	Ask for sign in again
11	View my books	View my books list	My books list window open	-	List of my books
12	Pay fine	Pay fine	Fine payment window open	Correct payment info	Fine removed successfully
13	Pay fine	Pay fine	Fine payment window open	Incorrect payment info	Payment error message shown
14	Logout	Sign out	Any window with sign out button	Sign out button press	User signed out from his/her account
15	Issue late fine	Issue late fine	System internal	-	User punished by daily fine. 50 cent per day
16	Notify of book being available	Notify of book being	System internal	-	Notification broadcast

		available		successful
17	Manipulate a book	A new book being added by a librarian	Book manipulation window open	Book info	A book was added to the database
18	Manipulate a book	A book being edited by a librarian	Book manipulation window open	Book info	A book info was edited in the database
19	Manipulate a book	A book being deleted by a librarian	Book manipulation window open	Book name	A book was deleted from the database
20	Manipulate a book	A new book being added by a librarian	Book manipulation window open. A book is already exist	Existing book info	A book was not added, because it does not exist
21	Manipulate a book	A book being edited by a librarian	Book manipulation window open	Missing book info	A book was not edited
22	Manipulate a book	A book being deleted by a librarian	Book manipulation window open	Missing book info	A book was not deleted, because it does not exist
23	Manipulate user	Add a new user by a librarian	User manipulation window open	User info	A new user was added to the database
24	Manipulate user	Edit existing user by a librarian	User manipulation window open	User info	A user was edited in the database
25	Manipulate user	Delete user by a librarian	User manipulation window open	User info	A user was deleted from the database
26	Manipulate user	Add a new user by a librarian	User manipulation window open	Existing User info	A user was not added, because he is already exist
27	Manipulate user	Edit a missing user by a librarian	User manipulation window open	Missing user info	A user was not edited, because it does not exist
28	Manipulate user	Delete a missing user by a librarian	User manipulation window open	Missing user info	A user was not deleted, because it does not exist