

Test Script	Group 9
Book Loan System	Date: 16/05/2017



HACETTEPE UNIVERSITY

**Computer Engineering
BBM487 Software Engineering Laboratory**

**Library Book Loan System
Test Script**

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Test Script	Group 9
Book Loan System	Date: 16/05/2017

Test Name	Login Test Case			
Use Case Tested:	Login			
Test Description:	This is the system login test			
Pre-conditions	Opening the program.			
Post-conditions	User enters the system.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member log in the system with username and password.	The system directs to Member Operations page.	+	
2.	Librarian log in the system with username and password.	The system directs to Librarian Operations page.	+	
3.	Member or Librarian enter the system with wrong username and password.	The system gives a warning message.	+	

Test Script	Group 9
Book Loan System	Date: 16/05/2017

Test Name	Logout Test Case			
Use Case Tested:	Logout			
Test Description:	This is the system log out test			
Pre-conditions	User must be in the system.			
Post-conditions	User leaves the system.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member log out the system by clicking logout button.	The system directs to opening page.	+	
2.	Librarian log out the system by clicking logout button.	The system directs to opening page.	+	

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Book Loan System	Date: 16/05/2017

Test Name	Sign Up Test Case			
Use Case Tested:	Sign up			
Test Description:	This is the system sign up test			
Pre-conditions	User must open the sign up form.			
Post-conditions	User registered in the system.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	User signs up with a username that is previously registered.	The system gives a warning message "Username already exist"	+	
2.	User writes in the password box and confirm password box don't match, when user fills the sign up form	The system gives a warning message "Passwords do not match!"	+	
3.	User signs up successfully.	The system gives a message "User saved!" and directs user to login page.	+	

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Test Name	Make Reservation Test Case			
Use Case Tested:	Make Reservation			
Test Description:	This is the making reservation test			
Pre-conditions	User must be in the Waiting List tab page.			
Post-conditions	System must add the member into waiting list.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member making reservation to an unavailable book.	The system must add the member into waiting list.	+	

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Test Name	Cancel Reservation Test Case			
Use Case Tested:	Cancel Reservation			
Test Description:	This is the canceling reservation test			
Pre-conditions	The member must be in the My Reservation tab page.			
Post-conditions	Reservation must be canceled.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member cancels reservation to a book in the My Reservation tab page.	Reservation must be canceled.	+	

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Test Name	Search Book Test Case			
Use Case Tested:	Search book			
Test Description:	This is the searching book test			
Pre-conditions	The member must open searching interface.			
Post-conditions	System lists the books that searched.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member enters book name and clicks search book.	The system lists the books contain entered name.	+	
2.	Member enters author name and clicks search book.	The system lists the books contain entered author name.	+	
3.	Member enters book code and clicks search book.	The system lists the books contain entered book code.	+	

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Test Name	Self Check Out Test Case			
Use Case Tested:	Self Check Out			
Test Description:	This is the system self check out test			
Pre-conditions	The member must search the book.			
Post-conditions				
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member self check out if book available	The system displays message "Check out succeed."	+	
2.	Member self check out if book not available.	The system directs member to the Make Reservation.	+	

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Book Loan System	Date: 16/05/2017

Test Name	Self ReturnTest Case			
Use Case Tested:	Self Return			
Test Description:	This is the system self return test			
Pre-conditions	The member must open My Books tab page.			
Post-conditions	Member returns the book in the system.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member selects a book line borrowed and click self return button.	The system displays message “Self Return succeed”.	+	

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Book Loan System	Date: 16/05/2017

Test Name	View My Books Test Case:			
Use Case Tested:	View My Book			
Test Description:	This is the viewing books test			
Pre-conditions	The member must open My Books tab page			
Post-conditions	The system must list books that member has.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member clicks view my books button.	The system lists books that member has.	+	

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Test Name	Pay Fine Test Case			
Use Case Tested:	Pay Fine			
Test Description:	This is the paying fine test			
Pre-conditions	Members must list their fine by clicking List Active Fines			
Post-conditions	Fine must be paid.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member select fine and click Pay Fine button.	Fine must be paid	+	

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Test Name	Communication with the Librarian Test Case			
Use Case Tested:	Communication with the Librarian			
Test Description:	This is the communication with the librarian test			
Pre-conditions	The member must be login.			
Post-conditions	Member sees librarians' contact addresses.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Member clicks communication with the librarian button.	Member sees librarians' contact addresses.	+	

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Test Name	Manipulate Book Test Case			
Use Case Tested:	Manipulate Book			
Test Description:	This is the manipulating book test			
Pre-conditions	The member must be in Manipulate Book screen.			
Post-conditions	Book must be inserted, updated or deleted.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Librarian enters book information and clicks insert button.	The system displays message “Book Inserted”	+	
2.	Librarian changes book information and clicks update button.	The system displays message “Book Updated”	+	
3.	Librarian selects the line of book and clicks delete button.	The system displays message “Book Deleted”	+	

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Test Name	Manipulate Member Test Case			
Use Case Tested:	Manipulate Member			
Test Description:	This is the manipulating member test			
Pre-conditions	The librarian must be in Manipulate Members screen.			
Post-conditions	Manipulating member operations must be done.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Librarian lists members by clicking List Member tab page then List Member button.	The system lists all members	+	
2.	Librarian selects a member line and clicks on Deactive Member button.	The system makes the member deactive.	+	
3.	Librarian selects a deactive member's line and click active member button.	The system makes the member active again.	+	
4.	Librarian clicks List Borrowed Books tab page then Show Books Borrowed button.	The system must list books borrowed.	+	
5.	Librarian clicks List Fine tab page then Show Fines button.	The system must list members' fine.	+	

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Test Name	Notify of Book Being Available Test Case			
Use Case Tested:	Notify of Book Being Available			
Test Description:	This is the checking if book available.			
Pre-conditions	Book must be check out.			
Post-conditions	The system changes book's status.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	System checks book's status.	The system changes books status.	+	

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Test Name	Issue Late Fine Test Case			
Use Case Tested:	Issue Late Fine			
Test Description:	This is the calculating fine to pay test.			
Pre-conditions	Book must be return to the system.			
Post-conditions	The system calculates fine to pay.			
Result (Pass/Fail/Warning/Incomplete)	Pass			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	The system calculates fine to pay by checking return date and end date.	The system calculates fine to pay.	+	