HACETTEPE UNIVERSITY
COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

BBM487 SOFTWARE ENGINEERING LAB
Group 14

LBLS Desktop

Software Test Result Report

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Software Test Result Report

TC#1.1 - Login invalid input:

Description	Checks successful log in
Pre-conditions	Database connection must be established via internet
Post-conditions	• User must be log in to system correctly • User's name-surname and school number should be displayed at left-top of screen correctly
Data required	Valid username and password

Test Case	Expected Result	True	False
TC#1.1	The user go ot the login page.	Yes	

TC#1.2 - Login invalid input:

Description	Checks trying to log in with invalid data
Pre-conditions	Database connection must be established via internet
Post-conditions	Error message should be displayed to the user
Data required	An invalid username and password

Test Case	Expected Result	True	False
TC#1.2	Error message should be displayed to the user	Yes	

TC#1.3 - Login empty input:

Description	Checks trying to log in with empty data
Pre-conditions	• Database connection must be established via internet
Post-conditions	• No action should be performed
Data required	No data required

Test Case	Expected Result	True	False
TC#1.3	No action should be performed	Yes	

TC#2.1 - Create account success:

Description	Checks creating account successfully
Pre-conditions	• Database connection must be established via internet
Post-conditions	• New user must be created correctly on database • Success message should be displayed to the user
Data required	A school number(customer) or personal number(librarian) that defined in university database An appropriate dataset that matches valid input formats

Test Case	Expected Result	True	False
TC#2.1	Success message should be displayed to the user	Yes	

TC#2.2 - Create account invalid inputs:

Description	Checks trying to create account with invalid data
Pre-conditions	• Database connection must be established via internet
Post-conditions	• Error message should be displayed to the user
Data required	Wrong formatted inputs for related fields

Test Case	Expected Result	True	False
TC#2.2	Error message should be displayed to the user	Yes	

TC#2.3 - Create account empty inputs:

Description	Checks trying to create account with empty inputs
Pre-conditions	• Database connection must be established via internet
Post-conditions	• Warning message should be displayed to the user about not-null fields
Data required	No data required

Test Case	Expected Result	True	False
TC#2.3	Warning message should be displayed to the user about not-null fields	Yes	

TC#2.4 - Create account with username that already exists:

Description	Checks trying to create account with a username that already taken
Pre-conditions	• Database connection must be established via internet
Post-conditions	• User should be warned about username conflict
Data required	An appropriate dataset with a username that already taken

Test Case	Expected Result	True	False
TC#2.4	User should be warned about username conflict	Yes	

TC#2.5 - Create account with school number that doesn't exists:

Description	Checks trying to create account with a school number that is not defined on university database
Pre-conditions	• Database connection must be established via internet
Post-conditions	• User should be warned about not defined school number
Data required	An appropriate dataset except a valid school number

Test Case	Expected Result	True	False
TC#2.5	User should be warned about not defined school number	Yes	

TC#2.6 - Create account with school number that already assigned a user:

Description	Checks trying to create account with a school number that already used to creating a user account
Pre-conditions	• Database connection must be established via internet
Post-conditions	• User should be warned about school number conflict
Data required	An appropriate dataset and a school number that defined on university database and has an account on the LBLS system

Test Case	Expected Result	True	False
TC#2.6	User should be login to application	Yes	

TC#3.1 – Manipulate account success:

Description	Checks manipulating account settings successfully
Pre-conditions	• User should be logged in to the system successfully • User settings button should be clicked on main menu
Post-conditions	• User's changes should be updated on database correctly • Success message should be displayed to the user
Data required	An appropriate dataset that matches with related fields' formats

Test Case	Expected Result	True	False
TC#3.1	Success message should be displayed to the user	Yes	

TC#3.2 – Manipulate account invalid inputs:

Description	Checks trying to manipulate an account with invalid inputs
Pre-conditions	• User should be logged in to the system successfully • User settings button should be clicked on main menu
Post-conditions	• A warning message should be displayed to the user about wrong formatted inputs
Data required	Wrong formatted inputs for related fields

Test Case	Expected Result	True	False
TC#3.2	A warning message should be displayed to the user about wrong formatted inputs	Yes	

TC#3.3 – Manipulate account profile picture:

Description	Checks trying to change an account's profile picture
Pre-conditions	• User should be logged in to the system successfully • User settings button should be clicked on main menu
Post-conditions	• User should see his/her profile picture in the circle mask at the left-top of screen
Data required	A profile picture to upload

Test Case	Expected Result	True	False
TC#3.3	User should see his/her profile picture in the circle mask at the left-top of screen	Yes	

TC#3.4 – Manipulate account no change:

Description	Checks trying to manipulate an account with no change
Pre-conditions	• User should be logged in to the system successfully • User settings button should be clicked on main menu
Post-conditions	• No action will be performed
Data required	No data required

Test Case	Expected Result	True	False
TC#3.4	No action will be performed	Yes	

TC#4.1 – Borrow book success:

Description	Checks borrowing a book from library successfully
Pre-conditions	• User should be logged in to the system successfully • Loan book button should be clicked on main menu • Only available books must have been listed (software's responsibility) • User must have limit to loan book (software's responsibility) • A book should be selected from books list to loan • Borrow and giveback dates must be chosen correctly
Post-conditions	• Borrowed book's available status must be updated to not-avaliable on database • User's borrowed books list must be updated on database • User's book limit must be decreased • Success message should be displayed to the user
Data required	An appropriate dataset for the related input fields

Test Case	Expected Result	True	False
TC#4.1	Success message should be displayed to the user	Yes	

TC#4.2 – Borrow book invalid dates:

Description	Checks try to borrow a book from library with inconsistent date selections
Pre-conditions	• User should be logged in to the system successfully • Loan book button should be clicked on main menu • Only available books must have been listed (software's responsibility) • User must have limit to loan book (software's responsibility) • A book should be selected from books list to loan • Borrow and giveback dates must be chosen incorrect
Post-conditions	• A warning message should be displayed to the user about date inconsistency
Data required	An appropriate dataset except a consistent book-giveback dates

Test Case	Expected Result	True	False
TC#4.2	A warning message should be displayed to the user about date inconsistency	Yes	

TC#5.1 – Return book success:

Description	Checks giving back a book to library successfully
Pre-conditions	• User should be logged in to the system successfully • Give back book button should be clicked on main menu • A book should be selected from books list to give back
Post-conditions	• Given back book's status must be updated to available on database • User's borrowed book's list must be updated on database • User's book limit must be increased • Success message should be displayed to the user
Data required	No data required

Test Case	Expected Result	True	False
TC#5.1	Success message should be displayed to the user	Yes	

TC#6.1 – Reservation book success:

Description	Checks making a reservation for a book successfully
Pre-conditions	• User should be logged in to the system successfully • Reservation book button should be clicked on main menu • Not-available books must be listed on screen to reserve (software's responsibility) • A book should be selected from books list to reserve
Post-conditions	• User must be added on related book's reserve list • Success message should be displayed to the user
Data required	No data required

Test Case	Expected Result	True	False
TC#6.1	Success message should be displayed to the user	Yes	

TC#7.1 – View book:

Description	Checks viewing a book details successfully
Pre-conditions	• User should be logged in to the system successfully • A book has to been selected by the user to view details from any list view in program
Post-conditions	• Book's information should be displayed to user correctly
Data required	No data required

Test Case	Expected Result	True	False
TC#7.1	Book's information should be displayed to user correctly	Yes	

TC#8.1 – View my books:

Description	Checks viewing the user book list successfully
Pre-conditions	• User should be logged in to the system successfully • My books button should be clicked on main menu
Post-conditions	• User's borrowed books should be listed on screen
Data required	No data required

Test Case	Expected Result	True	False
TC#8.1	User's borrowed books should be listed on screen	Yes	

TC#9.1 – Search books:

Description	Checks searching a book on library database successfully
Pre-conditions	• User should be logged in to the system successfully
Post-conditions	• The books that matches user input must be listed on screen
Data required	A book name to search

Test Case	Expected Result	True	False
TC#9.1	The books that matches user input must be listed on screen	Yes	

TC#10.1 – Manipulate user as librarian (edit) success:

Description	Checks manipulating an account information by a librarian successfully
Pre-conditions	• Librarian should be logged in to the system successfully • Manipulate user button should be clicked on main menu • User to be manipulated should be selected from list
Post-conditions	• Related updates about user must be saved to the database • Success message must be displayed to the librarian
Data required	An appropriate dataset for the related input fields

Test Case	Expected Result	True	False
TC#10.1	Success message must be displayed to the librarian	Yes	

TC#10.2 – Manipulate user as librarian (edit) invalid inputs:

Description	Checks trying to manipulate n account information by a librarian with invalid data
Pre-conditions	• Librarian should be logged in to the system successfully • Manipulate user button should be clicked on main menu • User to be manipulated should be selected from list
Post-conditions	• Warning message about related fields should be displayed to the librarian
Data required	Some wrong formatted data for the related input fields

Test Case	Expected Result	True	False
TC#10.2	Warning message about related fields should be displayed to the librarian	Yes	

TC#10.3 – Manipulate user as librarian (delete) success:

Description	Checks deleting a user from library database successfully
Pre-conditions	• Librarian should be logged in to the system successfully • Manipulate user button should be clicked on main menu • User to be deleted should be selected from list
Post-conditions	• User and his/her records must be deleted from database • Success message must be displayed to the librarian
Data required	Some wrong formatted data for the related input fields

Test Case	Expected Result	True	False
TC#10.3	Success message must be displayed to the librarian	Yes	

TC#11.1 – Manipulate book as librarian (edit) success:

Description	Checks manipulating a book's information by librarian successfully
Pre-conditions	• Librarian should be logged in to the system successfully • Manipulate book button should be clicked on main menu • Book to be manipulated should be selected from list
Post-conditions	• Related updates about book must be saved to the database • Success message must be displayed to the librarian
Data required	An appropriate dataset for the related input fields

Test Case	Expected Result	True	False
TC#11.1	Success message must be displayed to the librarian	Yes	

TC#11.2 – Manipulate book as librarian (edit) invalid inputs:

Description	Checks trying to manipulate a book's information by librarian with invalid data
Pre-conditions	• Librarian should be logged in to the system successfully • Manipulate book button should be clicked on main menu • Book to be manipulated should be selected from list
Post-conditions	• Warning message about related fields should be displayed to the librarian
Data required	Some wrong formatted data for the related input fields

Test Case	Expected Result	True	False
TC#11.2	Warning message about related fields should be displayed to the librarian	Yes	

TC#11.3– Manipulate book as librarian (delete) success:

Description	Checks deleting a book from library database successfully
Pre-conditions	• Librarian should be logged in to the system successfully • Manipulate book button should be clicked on main menu • Book to be deleted should be selected from list
Post-conditions	• Book and it's data should be removed from database • Success message must be displayed to the librarian
Data required	No data required

Test Case	Expected Result	True	False
TC#11.3	Success message must be displayed to the librarian	Yes	

TC#12.1– Logout success:

Description	Checks log out from LBLS Desktop Application successfully
Pre-conditions	• Librarian should be logged in to the system successfully
Post-conditions	• All changes must be saved on database • Login screen must be loaded successfully
Data required	No data required

Test Case	Expected Result	True	False
TC#12.1	Login screen must be loaded successfully	Yes	