

Feature	User Criteria	User Story	Test Case	Test Step	Expected Output	Test Result
Dashboard Overview Statistics	Both member or staff of the library	User want to see the statistical information of books available and the total members registered	Displaying the statistical information of books available and the total members registered	User open the application	Application displaying the statistical information of books available and the total members registered	Passed
Member Dashboard View Book Collection	Member of the library	User want to see all of the books collection the library offers	Displaying all of the book collection the library offers	In the role selection section, user click on the "MEMBER" button	Application navigates user to the member dashboard showing all of the list of book collection in a table (Book ID, title, genre, author, and the status of the book which is available or not based on whether it's currently borrowed by someone)	Passed
		User want to type in to look if there's a certain book in the library	Search a book that the library doesn't have	On the search bar provided, user may type "zzz"	Because there are no book's title or its genre or even its author that consist of the 'zzz' so the application's table will display 'No records found.'. The application will also show the number of rows (0).	Passed
			Search a book that the library offers	On the search bar provided, user may type "Hung"	Because there is a book's title that consist of 'Hung' so the application's table will display the book id, title, genre, author, and status of that book. The application will also show the number of rows (1).	Passed
			Search an author that the library offers	On the search bar provided, user may type "an"	Because there are book's author that consist of 'an' so the application's table will display the book id, title, genre, author, and status of that book. The application will also show the number of rows (2).	Passed
		User want to filter the book collection based on the genre of the book	Filtering the book collection based on the genre	On the combobox provided, user may select the genre 'Romance'	Because there're two books with the genre 'Romance' then the application's table will display the book id, title, genre, author, and status of that book. The application will also show the number of rows (2).	Passed
		User want to filter the book collection back to displaying all of the books	Filtering the book collection back to displaying all of the books	On the combobox provided, user may select the genre back to 'All'	The application will be back on displaying all of the book collections the library offers	Passed
		User want to sort the book collection based on the title of the books	Sorting the book collection A-Z based on the title of the books	User click on the header/column title in the table	The application will sort the collections of book based on the title of the book A-Z	Passed
Borrow Books	Member of the library	User want to borrow a book from the book collection	Borrowing a book that is currently not available	User click on any of the cell in the table that wants to be borrowed (status of the book stated not available)	Application will show a form to input the member that's currently borrowing	Passed
				User select the member by the combobox and click the button "Borrow"	Application will show a message box saying "The book is currently not available for borrowing.".	Passed
			Borrowing a book that is currently available	User click on any of the cell in the table that wants to be borrowed (status of the book stated available)	Application will show a form to input the member that's currently borrowing	Passed
				User select the member by the combobox and click the button "Borrow"	Application will show a message box saying the book is successfully borrowed and the status of the book in the table will also changes to 'Not available' anymore	Passed
Staff Login	Staff of the library	User want to login as a staff to go to the staff dashboard	Login without entering anything	In the role selection section, user click on the "STAFF" button	Application will navigates user to a dialog form, asking user to write down the name and password registered	Passed
				User click directly on the button "Login"	Application will show a message box saying "Please enter both ID and Password".	Passed
			Login without entering the password	In the role selection section, user click on the "STAFF" button	Application will navigates user to a dialog form, asking user to write down the name and password registered	Passed
				User type in the name of the staff and click "Login" button	Application will show a message box saying "Please enter both ID and Password".	Passed
			Login with correct name but wrong password	In the role selection section, user click on the "STAFF" button	Application will navigates user to a dialog form, asking user to write down the name and password registered	Passed
				User type in the name (Gwen) and a wrong password	Application will show a message box saying "Invalid ID or password.".	Passed
			Login with wrong name but correct password	In the role selection section, user click on the "STAFF" button	Application will navigates user to a dialog form, asking user to write down the name and password registered	Passed
				User type in the wrong name and a correct password (123)	Application will show a message box saying "Invalid ID or password.".	Passed
Member List Dashboard	Staff of the library	User want to go back to the Main menu to see the dashboard statistics informations	Going back to the main menu	User click on the top left button '<'	Application will navigates user to go back to the main menu (a form that displays the statistical information of books available and the total members registered)	Passed
					Application will navigates user to a dialog form, asking user to write down the name and password registered	Passed
		User want to see all of the members	Displaying all of the library's members	User click on the "STAFF" button	Application will show a message box saying "Login successful". And it will navigates user to the staff dashboard. (Since member is the first on the line, then it will immediately shows the member list)	Passed
					Application will show a message box saying "Invalid ID or password.".	Passed
		User want to search and type in to look if there's a certain member in the library	Search a member that the library doesn't have	On the search bar provided, user type "zzz"	Because there are no member id, name, or even email that consist of the 'zzz' so the application's table will display 'No records found.'. The application will also show the number of rows (0).	Passed
			Search a member that is registered already in the library	On the search bar provided, user type "yahoo"	Because there is a member's email that consist of 'yahoo' so the application's table will display the member id, name, and email of that member. The application will also show the number of rows (1).	Passed
		User want to sort A-Z the member list based on the name of the member	Sorting the member A-Z based on the member's name	User click on the header/column Name in the table	The application will sort the collections of members based on the member's name A-Z	Passed
Add Member	Staff of the library	User want to add a new member	Save the new member without entering anything	User click on the 'Add' button	The application navigates user to the member details where user must enter the new member's name and email	Passed
				User click on 'Save' button immediately	The application show a message box saying that 'Both name and email fields must be filled'	Passed
			Save the new member without entering the email	User type in the name only and then click on 'Save' button immediately	The application show a message box saying that 'Both name and email fields must be filled'	Passed
			Save the new member with the same name and email (duplicates)	User type in the name and email (that already registered) then click the 'Save' button	The application show a message box saying that 'A member with the same name and email already exists'	Passed
			Successfully save the new member	User type in the name(Liam) and email (liam@gmail.com) (that have not already registered) then click the 'Save' button	The application navigates user back to the member list a new record has been added	Passed
		User want to go back to see all of the members	Cancel add a new member	User click the cancel button	The application navigates user back to the member list	Passed
Edit Member	Staff of the library	User want to edit a member from the list	Editing the book successfully by clicking from the table	User click the cells	The application navigates user to the member details with the selected member info displayed	Passed
				Edit the name and click the save button	The application navigates user back to the member list and that selected member has been updated	Passed
			Editing the book successfully by select from the table then click 'Edit' button	User click the cells then click the edit button	The application navigates user to the member details with the selected member info displayed	Passed
				Edit the name and click the save button	The application navigates user back to the member list and that selected member has been updated	Passed
			Editing the book failed by select from the table then click 'Edit' button	User click the cells	The application navigates user to the member details with the selected member info displayed	Passed
				Edit the name and email to become duplicates	The application show a message box saying that 'A member with the same name and email already exists'	Passed
Delete Member	Staff of the library	User want to delete a member	Delete successfully	User click the cells and click the delete button	The application show a message box saying that 'Are you sure you want to delete this member record?'	Passed

Delete member	Staff of the library	User want to delete a member	Delete successfully	User click butto 'yes' from the message box	The application's table shows the selected member has been deleted	Passed
Book List Dashboard	Staff of the library	User want to see all of the books	Displaying all of the library's books	In the role selection section, user click on the "STAFF" button	Application will navigates user to a dialog form, asking user to write down the name and password registered	Passed
				User type in the name (Gwen) and password (123)	Application will show a message box saying "Login succesful". And it will navigates user to the staff dashboard	Passed
				User click the button 'Book' on the sidebar	The application will load the book settings view where the table is filled in the collection books data	Passed
		User want to search and type in to look if there's a certain book in the library	Search a book that the library doesn't have	On the search bar provided, user type "zzz"	Because there are no book id, name, genre, and author that consist of the 'zzz' so the application's table will display 'No records found.'. The application will also show the number of rows (0).	Passed
			Search a book that is registered already in the library	On the search bar provided, user type "Hung"	Because there is a book's that consist of 'Hung' so the application's table will display the book id, name, genre, author, and status of that book. The application will also show the number of rows (1).	Passed
		User want to sort A-Z the book list based on the name of the book	Sorting the member A-Z based on the book's name	User click on the header/column Name in the table	The application will sort the collections of books based on the book's name A-Z	Passed
Add Book	Staff of the library	User want to add a new book	Save the new book without entering anything	User click on the 'Add' button	The application navigates user to the member details where user must enter the new book's name, genre, and author	Passed
				User click on 'Save' button immediately	The application show a message box saying that 'all name, genre, and author fields must be filled'	Passed
				User type in the name title only and then click on 'Save' button immediately	The application show a message box saying that 'all name, genre, and author fields must be filled'	Passed
				User type in the title, genre, and author (that already registered) then click the 'Save' button	The application show a message box saying that 'A book with the same title, genre, and author already exists'	Passed
				User type in the name (To Kill a Mockingbird), genre (Fiction), and author (Harper Lee) (that have not already registered) then click the 'Save' button	The application navigates user back to the book list a new record has been added	Passed
		User want to go back to see all of the books	Cancel add a new book	User click the cancel button	The application navigates user back to the book list	Passed
Edit Book	Staff of the library	User want to edit a book from the list	Editing the book successfully by clicking from the table	User click the cells	The application navigates user to the book details with the selected book info displayed	Passed
				Edit the name and click the save button	The application navigates user back to the member list and that selected member has been updated	Passed
			Editing the book sucessfully by select from the table then click 'Edit' button	User click the cells then click the edit button	The application navigates user to the member details with the selected member info displayed	Passed
				Edit the name and click the save button	The application navigates user back to the member list and that selected member has been updated	Passed
			Editing the book failed by select from the table then click 'Edit' button	User click the cells	The application navigates user to the member details with the selected member info displayed	Passed
				Edit the name and email to become duplicates	The application show a message box saying that 'A member with the same name and email already exists'	Passed
Delete Book	Staff of the library	User want to delete a member	Delete successfully	User click the cells and click the delete button	The application show a message box saying that 'Are you sure you want to delete this member record?'	Passed
				User click butto 'yes' from the message box	The application's table shows the selected member has been deleted	Passed
Loan List Dashboard	Staff of the library	User want to see all of the loans being made	Displaying all of the library's loan	In the role selection section, user click on the "STAFF" button	Application will navigates user to a dialog form, asking user to write down the name and password registered	Passed
				User type in the name (Gwen) and password (123)	Application will show a message box saying "Login succesful". And it will navigates user to the staff dashboard	Passed
						Passed
		User want to search and type in to look if there's a certain loan in the library	Search a loan that the library doesn't have	On the search bar provided, user type "zzz"	Because there are no loan id, member name, book title, date borrow, and due date that consist of the 'zzz' so the application's table will display 'No records found.'. The application will also show the number of rows (0).	Passed
			Search a loan that is registered already in the library	On the search bar provided, user type "pri"	Because there is a loan that consist of 'pri' so the application's table will display the loan id, member name, book title, date borrow, and due date of that loan. The application will also show the number of rows (1).	Passed
		User want to sort A-Z the staff list based on the member's name that loans	Sorting the loan A-Z based on the member's name	User click on the header/column Name in the table	The application will sort the collections of loans based on the member's name A-Z	Passed
Add Loan	Staff of the library	User want to add a new loan	Save the new loan without entering anything	User click on the 'Add' button	The application navigates user to the loan details where user must enter the new loan	Passed
				User click on 'Save' button immediately	The application show a message box saying that 'All member, book, and date fields must be filled'	Passed
				User select the member and the book and then click on 'Save' button immediately	The application show a message box saying that 'All member, book, and date fields must be filled'	Passed
				User select (that have not already registered) then click the 'Save' button	The application navigates user back to the member list a new record has been added. This will also changes the status of the book	Passed
						Passed
		User want to go back to see all of the loans	Cancel add a new loan	User click the cancel button	The application navigates user back to the member list	Passed
Delete Loan	Staff of the library	User want to delete a loan	Delete successfully	User click the cells and click the delete button	The application show a message box saying that 'Are you sure you want to delete this loan record?'	Passed
				User click butto 'yes' from the message box	The application's table shows the selected loan has been deleted. this means the status of the book will become available	Passed
Staff List Dashboard	Staff of the library	User want to see all of the staff	Displaying all of the library's staffs	In the role selection section, user click on the "STAFF" button	Application will navigates user to a dialog form, asking user to write down the name and password registered	Passed
				User type in the name (Gwen) and password (123)	Application will show a message box saying "Login succesful". And it will navigates user to the staff dashboard	Passed
				User click on the button "Staff"	The application will display the staff settings with the table presenting the staff list	Passed
		User want to search and type in to look if there's a certain staff in the library	Search a staff that the library doesn't have	On the search bar provided, user type "zzz"	Because there are no name and password that consist of the 'zzz' so the application's table will display 'No records found.'. The application will also show the number of rows (0).	Passed
			Search a staff that is registered already in the library	On the search bar provided, user type "we"	Because there is a staff's name that consist of 'we' so the application's table will display the staff id, name, and password of that staff. The application will also show the number of rows (1).	Passed
		User want to sort A-Z the staff list based on the name of the staff	Sorting the member A-Z based on the staff's name	User click on the header/column Name in the table	The application will sort the collections of members based on the member's anme A-Z	Passed
Add Staff	Staff of the library	User want to add a new staff	Save the new staff without entering anything	User click on the 'Add' button	The application navigates user to the staff details where user must enter the new staff's name and password	Passed
				User click on 'Save' button immediately	The application show a message box saying that 'Both name and password fields must be filled'	Passed
				User type in the name only and then click on 'Save' button immediately	The application show a message box saying that 'Both name and password fields must be filled'	Passed
				User type in the name and password (that already registered) then click the 'Save' button	The application show a message box saying that 'A staff with the same name and password already exists'	Passed
				User type in the name (Toni) and email (123) (that have not already registered) then click the 'Save' button	The application navigates user back to the staff list a new record has been added	Passed
		User want to go back to see all of the staff	Cancel add a new staff	User click the cancel button	The application navigates user back to the staff list	Passed

Edit Staff	Staff of the library	User want to edit a staff from the list	Editing the staff successfully by clicking from the table	User click the cells	The application navigates user to the staff details with the selected staff info displayed	Passed
				Edit the name and click the save button	The application navigates user back to the staff list and that selected staff has been updated	Passed
			Editing the staff successfully by select from the table then click 'Edit' button	User click the cells then click the edit button	The application navigates user to the staff details with the selected staff info displayed	Passed
				Edit the name and click the save button	The application navigates user back to the staff list and that selected staff has been updated	Passed
			Editing the staff failed by select from the table then click 'Edit' button	User click the cells	The application navigates user to the staff details with the selected member info displayed	Passed
				Edit the name and email to become duplicates	The application show a message box saying that 'A staff with the same name and password already exists'	Passed
Delete Staff	Staff of the library	User want to delete a staff	Delete successfully	User click the cells and click the delete button	The application show a message box saying that 'Are you sure you want to delete this staff record?'	Passed
				User click button 'yes' from the message box	The application's table shows the selected staff has been deleted	Passed