***Scenario 1***

* Title: Add member.
* Actor: Librarian.
* Description:

Only Librarian can add new member in the Library Management System. New member will contain member registration number, password, re-write password, name, email, major, valid date of a membership given input in the system by librarian for the first time.

* Exception:
* Server busy.
* No internet Connection.
* Pre-condition:
* Already a member? Sign in.
* Give a strong password (8 digits with at least a character).
* Post: Condition:
* Member Added Successfully.
* Write re-password correctly.
* Member add decline.

***Scenario 2***

* Title: Remove Member.
* Actor: Librarian
* Description:

Librarian can remove member from the system to remove from accessing the system. Besides, member will also be removed automatically after the validity of membership is over.

* Exception:
* Server busy
* No internet connection
* Pre-condition:
* Librarian has to input a valid member id.
* Post-condition:
* Member id not found. Please input valid id.
* Member removed successfully.

***Scenario 3***

* Title: Search Member.
* Actor: Librarian
* Description:

Search member will possible from librarian side. Librarian can see all members and search a specific member. Librarian can search in multiple ways. An option named “Search by” will appear with multiple option containing member id, name, email, Course major. Librarian can choose any option and will get a input keyword option to search the way he/she choose.

* Exception:
* Server Busy.
* No internet Connection.
* Pre-condition:
* Librarians have to input correct information of member.
* Librarian will choose only one option specially member id that is unique.
* Post-condition:
* Member information cannot be found. Check if he/she is member of this library.
* Member found and showing the information of the member.

***Scenario 04***

Title: Return book.  
Actor: Member.  
Description:  
Only member can return book through the Library Management System physically. The member should contain the book, book id and member id to return the book successfully.

Exception:

* Network error.
* Server busy/loaded.
* Database error.

Pre-condition:

* Return the book physically.
* Log in to update the info.
* Give correct password.

Post-condition:

* Member id error.
* Password wrong. Give correct password.
* Logged in successfully.
* Book name error.
* Book id error.
* Book returned successfully.

***Scenario 05***

Title: Booklist.  
Actor: Librarian and Member.  
Description:

Booklist is important to check a specific book’s availability. So that the

book can be borrowed or not. Booklist function will show all the books with information in a list and it will contain book subject, title, author name, copyright of the book, edition number, total pages, ISPBN code number, number of copies and the name of library.

Exception:

* Network error.
* Server busy/loaded.
* Database error.

Pre-condition:

* Already a member? Sign in
* Give a strong password (8 digits with character).
* If already a member, log in
* Give correct password.

Post-condition:

* Member added successfully.
* Give authentic password again.
* Member added.
* If already a member, give correct password.
* Logged in successfully.

***Scenario 06***

Title: Print booklist.  
Actor: Librarian and Member.  
Description:

Print booklist is an option to see the books members got and can keep evidence/records in pdf copy. It will give an option to print the list of books that library has or hasn’t. It can be saved in pdf file. This function also chooses the page style, page limits etc.

Exception:

* Network error.
* Server busy/loaded.
* Database error.

Pre-condition:

* Already a member? Sign in
* Give a strong password (8 digits with character).
* If already a member, log in
* Give correct password.

Post-condition:

* Member added successfully.
* Give authentic password again.
* Member added.
* If already a member, give correct password.
* Logged in successfully.

***Scenario 07***

Title: About.  
Actor: Librarian and Member.  
Description:

About is an option where the all information about this Library Management System and collaborators’ data will be stored.

Exception:

* Network error.
* Server busy/loaded.
* Database error.

***Scenario – 08***

* Title : Search book
* Actor : Librarian
* Description:

Only librarian can search in multiple ways.An option named “Search by” will appear with multiple option containing member id, name, email, Course major.User can choose any option and will get a input keyword option to search the way he/she choose.

* Exception:
* Internet Connection Error
* Pre condition:
* Recommendation only Book Id.
* Post condition:
* Book not found because of not added that book in library.
* Search Book successfully.

***Scenario – 09***

* Title : Add book
* Actor : Librarian
* Description:

Only Librarian can add new book in the library. New book will contain book subject, tittle, author name, copyright of the book, edition number, total pages, ISBN code number, number of copies, the name of library.

* Exception:
* Internet Connection Error
* Pre condition:
* Add book will require book id.
* Add book also can be completed with book name, autor name and major.
* Post condition:
* Book added Successfully.
* Book added decline because of don’t give any required.

***Scenario – 10***

* Title : Borrow book
* Actor : Librarian
* Description:

Only member can borrow book by book id and member id also member can see the current date and choose the return date from library management system.

* Exception:
* Internet Connection Error
* Pre condition:
* Borrow option need a validity check of membership.
* To borrow book book id and member id is required.
* Post condition:
* Book not available.
* Book found. One more step to borrow.

***Scenario – 11***

* Title : Remove book
* Actor : Librarian
* Description:

Only librarian can remove book just by entering the book id from library management system.

* Exception:
* Internet Connection Error
* Pre condition:
* To remove book librarian will need to input book id.
* Post condition:
* Successfully removed book.
* Book cannot be removed right now.