Library Management System

USECASES:

1. Reading book:

* start
* Members need to sign in to the webpage using proper credentials.
* Members use the library's website to search for a specific book or to browse the catalog of resources that are available.
* The webpage shows the book's information, including the author, title, publishing date, and any other pertinent data.
* Members can read the book in their browser, preview it online, or download it on their device.
* stop

1. Searching book:

* start
* Members need to sign in to the webpage using proper credentials.
* Members use the library's website to retrieve books and do searches using keywords like author name, release dates, and other criteria.
* A list of books that meet the search parameters is returned once the system has searched the database of available resources.
* Users can explore the list of search results, which also includes information about each book's title, author, release date, and availability status.
* stop

1. Borrowing books:

* start
* Members need to sign in to the webpage using proper credentials.
* Patrons visit the library's website, choose the book they want to check out, and input their membership details.
* The webpage validates the member's data, modifies the book's availability status, and determines the due date.
* Members get a confirmation that the book has been borrowed, along with information about the due date and any fines.
* stop

1. Cataloging books:

* start
* Librarians need to sign in to the webpage using admin credentials.
* Librarians input information about new books and other items into the database.
* By storing the data in a database, the system makes it simple to search for and obtain information about particular things.
* The database of available materials is displayed, along with information on the author, title, ISBN, and publication date.
* stop

1. Returning book:

* start
* Members need to sign in to the webpage using proper credentials.
* Readers choose the book they want to return by selecting borrowed books on the dashboard.
* The system computes any fines due and updates the availability status of the book.
* Members get a confirmation that their books have been returned, together with any fees that were charged.
* stop

ATM TRANSACTION

Use cases:

1. Cash withdrawal :

* start
* A client enters their debit card into the ATM.
* The client enters their PIN.
* If wrong pin is entered display wrong pin and exit to home page.
* The ATM shows the menu for withdrawal, deposit, changing pin, etc..
* The client selects the withdrawal amount.
* ATM asks to select withdrawal from saving account or current account. Client selects any one and proceeds.
* Amount of cash to withdraw is entered and clicks proceed.
* When cash is withdrawn from the ATM, the account balance is updated and it sends an SMS to the mobile number.
* stop

1. Balance enquiry:

* start
* The client places their debit card into the ATM.
* Client enters their pin.
* The client selects the option to check account balance.
* The account's current balance is displayed on the ATM.
* stop

1. Mini-statement:

* start
* A client enters their debit card into the ATM.
* The client enters their PIN
* The client selects the option to check mini-statement.
* After selecting that option, client receives a mini-statement on the ATM.
* stop

1. Change pin:

* start
* A client enters their debit card into the ATM.
* The client enters their PIN.
* The client chooses the option of changing PIN.
* The client is asked to enter their new PIN.
* Customer verifies new PIN.
* The new PIN is updated.
* stop