Use Case: Borrow Book

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Scope: Library Management System
Level: User-goal
Primary Actor: Library Member
Stakeholders and Interests:
- **Library Members:** Want a simple, intuitive process to search for, borrow, and return books.
- **Librarians:** Need to manage book availability and inventory accurately.
- **Library System Administrators:** Ensure that the system is functioning efficiently, with accurate records of transactions.

Preconditions:
- Library member must be registered in the system with a valid membership.
- Book must be available in library inventory.
- System must be online and operational.

Success Guarantee (Postconditions):
Member successfully borrows the book, and system updates both the inventory and the member's borrowing records.

Main Success Scenario:
1. Library member logs into library management system.
2. Member searches for a book by title, author, or genre.
3. System displays available books that match search criteria.
4. Member selects desired book to borrow.
5. System checks if the book is available.
6. Member confirms borrowing transaction.
7. System updates book's status to "borrowed" and logs the transaction under the member's account.
8. System provides member with a due date for returning the book.
9. Member receives a confirmation of the borrowing, which is accessible in their account.

Extensions (Alternative Flows):
2a. No matching books found:
1. System informs member that no books match their search criteria.
2. Member can either modify their search or cancel the borrowing process.
5a. Book is already borrowed by another member:
1. System informs member that book is unavailable and offers an option to place a hold on the book.
2. Member can confirm placing book on hold or search for another title.
7a. System error during the borrowing transaction:
1. System notifies member of the error and provides options to retry or contact support.

Special Requirements:

- System must support multiple users borrowing books simultaneously.
- All borrowing records must be securely stored and retrievable by both system administrators and members.
- System must handle high traffic during peak times (e.g., semester starts).

Miscellaneous:
- Accessible features, such as screen readers and enlarged text options, must be available for visually impaired members.