

Preliminary Requirements Document

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Actors

Name	Description
Customer	A person who will be browsing and checking out audiobooks from the system.
Employee	A person who has access to audiobook stock and will manage rotation of audiobooks through kiosks.
Manager	The person who needs to be informed of either local (a single unit) or global (all units in the system) kiosk activity.
System	The Blue Box system (BBS)

Functional Requirements (Use Cases)

Use-Case Name: Customer Uses Kiosk

Goal: Customer browses available audiobooks, checking one out if they find one they're interested in.

Main Success Scenario

1. Customer selects start
2. System presents customer with selection choices

- Customer Browses Audiobook Collection
 - Customer Picks up Reserved Audiobook
 - Customer Returns Audiobook
3. Customer selects exit session
 4. System presents main start screen

Step 2 repeats until customer selects Exit or session length equals five minutes

Use-Case Name: Customer Browses Audiobook Collection

Goal: Customer looks through audiobook titles available in the system.

Main Success Scenario

1. Customer selects browse
2. System presents customer with screen showing available audiobooks
3. Customer selects desired audiobook
4. System presents customer with detailed description and reviews of audiobook
5. Customer selects add desired audiobook to cart
6. System adds desired audiobook to running list of customers audiobooks
7. Customer selects checkout
 - Customer Checks Out

Steps 2-6 continue until customer selects check out or session length equals five minutes

Alternate Scenario

5. Customer selects more details option (from step 4)
6. System presents customer with detailed view of the desired audiobook
7. Customer selects return to list of audiobooks
8. System presents customer with view of audiobooks starting at the recently viewed audiobook
9. Customer selects add desired audiobook to cart

Use-Case Name: Customer Checks Out

Goal: After finding a desired audiobook, the customer checks it out from the system.

Main Success Scenario

1. Customer selects check out
2. System prompts customer to scan library card
3. Customer scans library card
4. System prompts customer to enter address zip code for verification
5. Customer enters zip code
6. System validates library card and zip code information
7. System checks for reservations under the customers library card number
8. System adds reserved audiobooks to cart

9. System presents customer with view of cart containing all desired audiobooks
10. Customer selects confirm check out
11. System dispenses the desired audiobooks and removes one copy of each title from the system inventory
12. System prints receipt showing all audiobooks checked out and their due dates
13. System returns to start screen

Use-Case Name: Customer Picks up Reserved Audiobook

Goal: After reserving an audiobook in the system, the customer physically obtains the media from a kiosk.

Main Success Story

1. Customer selects pick up reserved audiobook
2. System prompts customer to scan library card
3. Customer scans library card
4. System prompts customer to enter address zip code for verification
5. Customer enters zip code
6. System validates library card and zip code information
7. System displays currently reserved audiobooks for the library card number
8. System displays options to customer
 - Customer Checks Out (start at step 8)
 - Customer Browses Audiobook Collection

Use-Case Name: Customer Returns Audiobook

Goal: After checking out an audiobook, the customer physically returns the media to a kiosk.

Main Success Scenario

1. Customer selects return audiobook
2. System activates audiobook return slot
3. System scan audiobook barcode
4. System adds one copy of audiobook title to system's inventory
5. System removes audiobook title from customers library card account
6. System displays audiobook return successful
7. System prompts user to start new kiosk session
 - Start New Kiosk Session

Use-Case Name: Customer Reserves Audiobook

Goal: After finding a desired audiobook in the system, the customer reserves it for later pickup from a kiosk.

Main Success Scenario

1. Customer logs into library account website
2. Web system displays all available audiobook collection
3. Customer adds desired audiobooks to cart
4. Customer selects check out
5. System displays all titles in cart
6. System prompts user to select local kiosk location
7. Customer selects desired pickup kiosk
8. System queues audiobook transfer to desired kiosk
 - Courier transfers audiobooks

Use-Case Name: Employee Restocks Audiobooks

Goal: The kiosk gets restocked with new or different audiobooks by the employee.

Main Success Scenario

1. Employee physically adds audiobooks to kiosk
2. Employee logs into library account website
3. Employee enters tracking number for each audiobook that was added

Use-Case Name: Customer Registers

Goal: The system creates a new account for the customer to access the kiosks.

Main Success Scenario

1. Customer accesses the library account creation website
2. Customer enters information required for account creation
3. System creates new account

Alternate Scenario

- 1a. Customer visits library in person
- 2a. Customer accesses kiosk account creation interface
- 3a. Customer enters information required for account creation into kiosk (return to main scenario step 3)

Use-Case Name: Manager Generates Report

Goal: The system generates a report to keep the manager informed of kiosk activity.

Main Success Scenario

1. Manager logs into library website
2. Manager accesses report generation page
3. Manager requests that the system generate an administrative report
4. System generates and presents administrative report via web interface

Alternate Scenario (local branch report)

- 4a. Manager requests that the system generate a local branch report
- 5a. System generates and presents local branch report via web interface

Non-Functional Requirements

- The system must be able to be managed from the library's administrative branch
- The system must be able to run continuously 24/7/360, except when re-stocking or maintenance is being performed.