Candidate Classes

Candidate classes derived from noun-verb analysis (With potential attribute nouns listed below):

User
- Customer / Manager
- Credentials
- Account Standing
- Fines

Session
- Length

Audiobook
- Reserved status
- Checkout status
- Physical location
- Description

Kiosk

Order
- Audiobooks

Shopping Cart

Inventory

System Operations

System creates a new user account

System prompts for credentials

System authenticates the user

System lists available audio books

System adds/removes an available audio book

System marks an audio book reserved/not reserved

System marks an audio book checked in/out

System updates audiobook physical location

System checks if account is in good standing

System generates a report

System checks for expired reservations

System adjusts inventory levels

System displays error message

System dispenses audiobook

System opens receptacle to receive audiobook

System moves audiobook to holding bin

System terminates the session

CRC Cards

Controller

| Responsibilities:

Knows users
Can create User
Knows Kiosks | Collaborators:

User |
|---|---|

Kiosk

| Can prompt for credentials
Knows audiobooks in local storage
Can add or remove audiobook from local storage
Can mark audiobook reserved/not reserved
Can mark audiobook checked in/out
Can update audiobook physical location
Knows current session
Can generate Report | User
Audiobook
Session |
|---|---|

User

| Knows Name/Information/Credentials
Can validate entered credentials
Knows account standing
Knows current fines
Knows reserved/checked out/possessed audiobooks
Knows if Customer or Manager	Audiobook

Session

| Knows currently authenticated user
Knows active session time
Can time-out an active session	User

Audiobook

Knows Title/Author/ISBN/Genre
Knows checked in/out status
Knows reserved status
Knows physical location

Order

Knows Audiobooks Knows account standing Knows due dates	Audiobooks Shopping Cart User Session

Shopping Cart

Knows Audiobooks Knows checked in/out status Knows reserved status Knows physical location	User Session Audiobooks

Inventory

Knows Audiobooks Knows checked in/out status Knows physical location	User Session Audiobooks Kiosk