# 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

Responsibilities:

Knows users

Can create User

Knows Kiosks

Collaborators:

User

**Controller**

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

**Kiosk**

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

**User**

Knows currently authenticated user

Knows active session time

Can time-out an active session

User

**Session**

Knows Title/Author/ISBN/Genre

Knows checked in/out status

Knows reserved status

Knows physical location

**Audiobook**

Knows Audiobooks

Knows account standing

Knows due dates

Audiobooks

Shopping Cart

User

Session

**Order**

Knows Audiobooks

Knows checked in/out status

Knows reserved status

Knows physical location

User

Session

Audiobooks

**Shopping Cart**

Knows Audiobooks

Knows checked in/out status

Knows physical location

User

Session

Audiobooks

Kiosk

**Inventory**