# 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

**System Operation**

Name: System creates a new user account

Description: Generates a new account object based on user input

Actors: User, System

Trigger: User selects “Create New Account”

Inputs: User library card

Classes of objects involved: User, Kiosk

Precondition: User has library card

Postcondition: User has account

Outputs: User Object

**System Operation**

Name: System prompts for credentials

Description: Provides a short message requesting user credentials.

Actors: User, System

Trigger: User initiates session with kiosk

Inputs: kiosk, session

Classes of objects involved: User, Kiosk, and Session

Precondition: User has account

Postcondition: <none>

Outputs: <none>

**System Operation**

Name: System authenticates the user

Description: System provides a method for the user to enter their username and password.

Actors: User, System

Trigger: System prompts user for credentials

Inputs: username, password

Classes of objects involved: User, Kiosk, and Session

Precondition: User has account and kiosk has unauthenticated session.

Postcondition: User has an authenticated session

Outputs: success or failure