# User

System

# Admin/Database

[Else]

# [If]

Login

# User Access

Deny Access

Check Validity Data is correct Data is Incorrect

# Browse Items

Check Inventory

# [Else]

[If]

# Display Items

Display "Out of Stock" Icon

# Items Available

Items Unavailable

# Choose Item

Add to Cart

# Select Borrow Option

Notify Admin

# [If]

Book is available for borrow

Notify User

Confirm Deadline

Update Inventory

# [Else]

Notify User

Book is Unavailable for borrow





Remind of deadline

Return Book