

Use Case UC1: Worker Checks Out Copies to Patron

Scope: Textbook Rental Library Application

Level: User Goal

Primary Actor: Worker

Stakeholders: Worker, Patron, TRL Manager

Preconditions

1. Worker has authenticated and is physically present
2. Patron is physically present with one or more copies to check out
3. Patron has patron ID card with them
4. System is ready to process and log transactions

Success Guarantee

1. A patron checks out multiple copies
2. Copies are accurately recorded as checked out to specific patrons, with correct due dates assigned
3. All transactions are logged

Main Success Scenario

1. Worker enters patron id
2. System validates patronid, displays patron's current record, and logs validation on Date/Time
3. Worker selects "check copies out"
4. System enters checkout mode and logs Worker entered check out mode for Patron on Date/Time
5. Worker enters bar code for copy
6. System logs "Worker entered CopyID for check out to Patron on Date/Time"
7. System validates copyID, displays copy record, adds copy to queue, and logs that CopyID was validated and added to queue on Date/Time
Repeat steps 5 through 7 for each copy being checked out.
8. Worker completes session
9. System checks out all copies in queue, assigns copies to patron, assigns due dates, and logs copies out to patron by worker on Date/Time

Extensions

- 2a. Patron's id is not recognized by system
- 2b. Patron's record has a current hold
- 5a. Copy barcode is unreadable
- 5b. Copy is damaged
- 7a. Copy bar code is not recognized by system
- 7b. Copy is already "checked out" in system
- 8a. Worker cancels session
- 9a. System fails to complete transaction

Frequency of Occurrence: High frequency, many daily transactions, at the beginning of the term