**Spring Semester, 2018**

**SEIS 635 (3 semester credits)**

**Section 01**

**By**

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**Project 2: Writing Use Cases,**

**1) Fully Dressed Use Case**

**Use Case UC1: Check Out Copies to Patron**

**Scope:** Textbook Rental Library system

**Level:** User goal

**Primary Actor:** Rental worker

**Pre-conditions:** Rental Worker is identified and authenticated. Patron arrives to the checkout station with textbooks.

**Success guarantee (Post condition)**

All patrons are identified and authenticated with their ID and books are scanned and rented, patrons’ accounts has been updated with due date entered

**Main success scenario:**

1. Rental worker starts a transaction.

2. Rental worker scans patron’s university ID.

3. System display current patron’s record.

4. Rental worker validates the record.

5. Rental worker scans textbook copy.

*Worker repeats step 5 until textbooks’ copies are all scanned*

6. System assigns due date

7. System saves textbooks copies to the given patron’s record

8. Rental worker complete transaction

9. System updates inventory

**2) Fully Dressed Use Case**

**Scope:** Text Book Rental Library (TRL): Worker Check-In Copies from Patron

**Level:** User goal

**Primary Actor:** Student

**Preconditions:** Worker has logged in to the Check-in station. Student is enrolled for the current semester or were enrolled on previous semester, Rental Library System has a record of rented books for the student.

**Success Guarantee (Post Condition):**

All returning books are scanned and removed from students’ record. Fine is collected for lost, damaged, and overdue books. Holds are removed from Patron's record. Check-in session is completed successfully and books are returned to the proper location.

**Main Success Scenario (Basic Flow):**

1. Patron arrives at “check in” station with checked-out books.
2. Worker scans each book and System removes each book from patron's record.
3. Worker checks all checked in books and collects fine for damages, overdue, and lost books.
4. Worker removes holds from patron's record.
5. Patron returns all checked-in books to the proper location within the Rental stacks.