

Use Case Name:	Check-Out
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Precondition:	<ol style="list-style-type: none"> 1. Materials need to be available for check-out 2. Person needs to be registered patron with valid ID to check out materials (BR12). 3. No more than 10 items currently checked out by the patron. (BR 11) 	
Postcondition:	<ol style="list-style-type: none"> 1. ID(s) of materials checked out along with the patron IDs will be entered (scanned) and recorded into the database. 2. Materials will be changed to unavailable in the database 3. When searched for the checked out materials online, message will pop out informing the users of the unavailability 	
Activities Flow:	<p>Actor:</p> <ol style="list-style-type: none"> 1. Patron wishes to check-out material(s) 2. Librarian enters (scans) User ID. 3. Check if the patron currently has more than 10 items checked out, or if there are any fines. 4. If there are any fines, the librarian can click and charge the patron for the fines amount, if the patron chooses to pay by debit card. (BR3) 5. Librarian clicks charge after inserting the debit card information. (BR15) 6. If there are no fines or less than 10 items checked out, the librarian clicks and checks out the material (BR1). 7. Librarian hands out materials to patron. 8. Patron leaves library 	<p>System :</p> <p>2.1 Returns Patron Information (Fines, items checked out, etc.)(BR11)</p> <p>4.1 Returns the form for librarian to log debit card information.(BR3)</p> <p>5.1 Verify the debit card and returns confirmation message and send a notification email to the patron, if process is successful.</p> <p>6.1 Return a message to confirm material(s) have been checked out and store the check-out record in the database, and change the materials status from available to unavailable.</p>
Exception Condition:	2.1 No patron record stored in the database	

	<p>2.1 Asks librarian to prompt patrons to apply for membership. (BR8)</p> <p>5.1 Debit Card gets rejected</p> <p>5.11 Prompts librarian to enter again.</p>
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