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| Use Case Name: | Check-in |
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| Pre-conditions:      | <ol style="list-style-type: none"> <li>1. Materials need to be checked out</li> <li>2. Valid IDs of materials need to be presented</li> <li>3. Patrons who want to check-in materials need to present valid IDs</li> </ol>   |   |
| Post-conditions:     | <ol style="list-style-type: none"> <li>1. Message will alert patrons that materials have been successfully checked in</li> <li>2. Check-in time will be recorded.</li> <li>3. The ID of librarian who checked in the materials will be recorded</li> <li>4. Materials checked in will be available for check out.</li> </ol>   |   |
| Flow of activities:  | <p>Actor</p> <ol style="list-style-type: none"> <li>1. Patron wishes to check-in materials</li> <li>2. Librarian enters(scan) material ID</li> <li>3. Librarian clicks to see if there are any fines associated with the Patron ID.</li> <li>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)</li> <li>5. Librarian clicks charge after inserting the debit card information. (BR15)</li> <li>6. If there are no fines, the librarian clicks and check-in the material (BR1).</li> </ol> | <p>System</p> <ol style="list-style-type: none"> <li>2.1 Return materials information as well as the information of the associated Patron.</li> <li>3.1 Return the list of materials that are currently overdue</li> <li>4.1 Returns the form for librarian to log debit card information.(BR3)</li> <li>5.1 Verify the debit card and returns confirmation message and send a notification email to the patron, if process is successful.</li> <li>6.1 Return a message to confirm that the material has been returned, and update the database so that the material becomes available for check-out.</li> </ol> |
| Exception Condition: | <ol style="list-style-type: none"> <li>2.1 There is no material record or user record associated with the material entered.</li> <li>2.1.1 Returns a message alerting the material is not from the library</li> <li>5.1 Debit Card gets rejected</li> <li>5.11 Prompts librarian to enter again.</li> </ol>  |   |

