Instructions on How to Operate the System

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For Reserving a Book a procedure named "Rental.ReserveProcedure" which can be run with "execute Rental.ReserveProcedure @isbn = 1"

On determining Book Availability, a procedure "Rental.onloanPr" is created and to view this you need to execute the Procedure with the appropriate isbn. Example: "execute Rental.onloanPr @isbn = 5" Which show the books on loan.

To view the books on reserve a separate procedure "rental.onReservedPR" is used which when run with "execute Rental.onReservedPR @isbn = 288" shows the reserved books.

For searching the synopsis, procedure "Production.synopsisProcedure" is made to execute "exec Production.synopsisProcedure 501" for searching of synopsis.

The procedure "Production.SearchTitleProcedure" can be executed with "exec Production.SearchTitleProcedure mohi" to search isbn based on a partial title.

For enrolling members a procedure"Person.enrollMemberPr" is made to enroll new members, while a procedure "Person.enrolljuvenilePR" is created to enroll Juveniles. The trigger "Person.JuvenileTr" is made once Juveniles reach the age of 18, they get moved to the Person.Adult table.

For checking out the books, a view is firstly made to assign an expiry date to members "person.exprView". Next a function "person.expiredCardFN" is created to calculate the expiry date. Then a procedure "rental.CheckOutProcedure" is made for when a card is scanned, before to place the order. It can be ran with the command "exec rental.CheckOutProcedure @memberID = 2". Next a trigger "Rental.CheckOutBookTR" is made to insert into the loan table and update the copy table, it can be inserted with: Example "insert into Rental.Loan (isbn, copy_id, title_id, member_id) values (1, 7, 1, 5422)".

For checking in books the procedure "Rental.CHeckInBookSP" is made. The Trigger "UpdateLoanHistoryTr" is used for updating the loan history after the book is returned. Once returned a procedure "Rental.CheckInTestSP" is used to check if the book is available to check in. At most, the created procedure "Rental.FOrceCheckInSp" is used to force check in.