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Final Project Proposal

Library Book/Online-resources Borrowing Data Management System

Objective: Library is collection of all information and resources that is made accessible to university so that they can access or borrow them for their reference. This database system will keep track of the books, videos that are available in the library. It will also track customers who are borrowing books/online resources and their statuses. The database system will also track employees working at different location and branches.

Entities-

- Customer(PK-Customer ID, FK-Rental Card(Card ID))
- Employees(PK-Employee ID, FK-Rental Card(Card ID))
- Rental card(PK-Card ID)
- Book(PK-BookID, FK-Location(Location ID)))
- Video/Online resources(PK-Video ID, FK-Location(Location ID))
- Location(Location ID, Address)
- Branch(PK-Branch ID, FK-Location(Location ID))

PL/SQL Collections/features to be implemented:

Varrays, Records, Different types of tables, Cursors, Procedures, functions, joins, views, triggers, user creation and assigning privileges, sequences, Indexes