

Library Management System

Relational Schema:

Tables:

authentication_system(login_id,passwords)

member(member_id,first_name,middle_name,last_name,age, email_id, phone_no,
no_of_books_allowed)

Librarian(librarian_id, first_name,middle_name,last_name,age,email_id,phone_no)

reports(member_id,book_id, magazine_id,journal_id,thesis_id, tr_id, return_date,issue_date,
due_amount)

books(book_id,ISBN,Title,category,editions,borrows_reference)

journals(journal_id,title,category)

magazines(magazine_id,title,category)

thesis(thesis_id,title,category)

technical_reports(tr_id,title,category)

citation(citation_id,source,reference)

publisher(publisher_id,first_name,middle_name,last_name,publication_date)

author(author_id,first_name,middle_name,last_name)

copies(copy_id,borrow_time_limit,is_borrowed,floor_number,room_number,aisle_number)

Relations:

login_to(librarian_id,login_id)

member_reports(Member_id)

manages(librarian_id,member_id)

keeps_track_of(librarian_id,member_id)

borrows(member_id,book_id,magazine_id,journal_id,thesis_id,tr_id)

maintains(librarian_id,book_id,magazine_id,journal_id,thesis_id,tr_id)

cites(citation_id,book_id,magazine_id,journal_id,thesis_id,tr_id)

publishes(publisher_id,book_id,magazine_id,journal_id,thesis_id,tr_id)

authors(author_id,book_id,magazine_id,journal_id,thesis_id,tr_id)

doc_copy_info(copy_id,book_id,magazine_id,journal_id,thesis_id,tr_id)

member_copy_info(copy_id,member_id)

monitors(copy_id,librarian_id)