Library Managment

[Rahul Sharma (rsharma11@hawk.iit.edu)]
[Anish Reddy Ravula (aravula@hawk.iit.edu)]
[Swathi Alapati (salapati3@hawk.iit.edu)]
November 5, 2022

User

PK	userId	bigint
	password	character varying(255)
	firstName	character varying(255)
	middleName	character varying(255)
	lastName	character varying(255)
	phoneNumber	character varying(255)
	dob	integer
	age	integer
	address1	character varying(255)
	address2	character varying(255)
	city	character varying(255)
	state	character varying(255)
	zip	character varying(255)
	emailId	character varying(255)

Librarian

PK	librarianId	bigint
FK	userId	bigint

Member

PK	memberId	bigint
	membershipCoverage	timestamp
FK	managedBy	bigint
FK	userId	bigint

Borrow / Return

PK	memberId	bigint
PK	copyId	bigint
	borrowedAt	timestamp
	dueDate	timestamp
	returnDate	timestamp
	isOverDue	boolean

Search

PK	documentId	bigint
PK	memberId	bigint

Document

PK	documentId	bigint
	hierarichicalClassification	character varying(255)
FK	createdBy	bigint
	dateCreated	timestamp
FK	updatedBy	bigint
	updatedDate	timestamp
FK	deletedBy	bigInt
	deletedDate	timestamp

Cites

PK	citedByDocumentId	bigint
PK	citedDocumentId	bigint

Keywords

PK	documentId	bigint
	word	character varying(255)

Copy

PK	copyId	bigint
FK	documentId	bigint
	room number	integer
	level	integer

Magazine

PK	maganizeId	bigint
FK	documentId	bigint
	name	character varying(255)
	edition	integer
FK	publishedBy	bigint

Book

PK	bookId	bigint
FK	documentId	bigint
	title	character varying(255)
	edition	integer
	year	integer
	ISBN	character varying(255)
	category	character varying(255)
FK	publishedBy	bigint

Journal Article

PK	journalArticleId	bigint
FK	documentId	bigint
	title	character varying(255)
FK	journalId	bigint

Thesis

PK	thesisId	bigint
FK	documentId	bigint
	topic	character varying(255)
FK	publishedBy	bigint

Report

PK	reportId	bigint
FK	documentId	bigint
	name	character varying(255)
FK	publishedBy	integer
	reportType	character varying(255)

Author

PK	documentId	bigint
PK	personId	bigint

Journal

PK	journalId	bigint
	title	character varying(255)
	edition	integer
FK	publishedBy	bigint

Person

PK	personId	bigint
	firstName	character varying(255)
	middleName	character varying(255)
	lastName	character varying(255)
	dob	date

Publisher

PK	publisherId	bigint
	name	character varying(255)

Editors

PK	issueId	bigint
PK	personId	bigint

Issue

PK	id	bigint
	title	character varying(255)
FK	publishedBy	bigint
	publishedAt	timestamp

Contributor

PK	issueId	bigint
PK	personId	bigint

Issued In

PK	issueId	bigint
PK	magazineId	bigint