

Database MyBibliotheque Dictionary
for the assignment of DATABASE II

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Tables:

Table items.Authors (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	AuthorID	int	X		
	LastName	nchar(20)			
	FirstName	nchar(20)			

Indexes:

PK_authors (Primary Key) (Clustered)

AuthorID

Referenced by:

items.Book (AuthorID)

items.title (authorID -> AuthorID)

Table items.Book (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	ISBN	int			
FK	CopyID	int			
FK	titleID	int			
FK	themeID	int		X	
FK	publisherID	int		X	
FK	AuthorID	int			
FK	ReservationID	int		X	
	Language	varchar(15)			
	Translation	varchar(200)		X	
	cover	image		X	
	loanable	varchar(200)		X	

Indexes:

pk_book (Primary Key) (Clustered)

ISBN

References:

items.Authors (AuthorID)

items.Copy (CopyID, ISBN)

items.publishers (publisherID)

items.themes (themeID)

items.title (titleID)

lease.reservation (ReservationID)

Referenced by:

items.Copy (ISBN)

lease.LoanDetails (ISBN)

Table items.Categories (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	CategoryID	int			
	name	varchar(50)			

Indexes:

PK_categories (Primary Key) (Clustered)

CategoryID

Referenced by:

items.title (categoryID -> CategoryID)

Table items.Copy (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	ISBN	int			
PK	CopyID	int			
	LoanAvailability	tinyint			

Indexes:

pk_copy (Primary Key) (Clustered)

ISBN
CopyID

References:

items.Book (ISBN)

Referenced by:

items.Book (CopyID, ISBN)

lease.LoanDetails (copyID, ISBN -> CopyID, ISBN)

Table items.publishers (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	publisherID	int			
	name	varchar(50)			
	url	varchar(50)		X	

Indexes:

PK_publishers (Primary Key) (Clustered)

publisherID

Referenced by:

items.Book (publisherID)

Table items.themes (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	themeID	int	X		
	name	varchar(50)			

Indexes:

PK_themes (Primary Key) (Clustered)

themeID

Referenced by:

items.Book (themeID)

Table items.title (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	titleID	int	X		
	title	varchar(200)			
FK	authorID	int		X	
FK	categoryID	int		X	
	synopsis	varchar(400)		X	

Indexes:

pk_title (Primary Key) (Clustered)

titleID

References:

items.Authors (authorID -> AuthorID)

items.Categories (categoryID -> CategoryID)

Referenced by:

items.Book (titleID)

Table lease.loan (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	loanID	int	X		
FK	memberID	int			
FK	LibrarianID	int			

Indexes:

PK_loan (Primary Key) (Clustered)

loanID

References:

lease.reservation (loanID -> LoanID)

members.member (memberID)

staffs.Librarian (LibrarianID)

Referenced by:

lease.LoanDetails (loanID)

Table lease.LoanDetails (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK, UK, FK	loanID	int			
FK	ISBN	int			
FK	copyID	int			
PK	out_date	datetime			
	due_date	datetime			
	in_date	datetime		X	
	fine_assessed	money		X	
	fine_paid	money		X	
	fine_waived	money		X	
	remarks	varchar(200)		X	

Indexes:

PK_LoanDetails (Primary Key) (Clustered)

loanID
out_date

UQ__LoanDeta__6DB7891E723E44D3 (Unique)

loanID

References:

items.Book (ISBN)

items.Copy (copyID, ISBN -> CopyID, ISBN)

lease.loan (loanID)

Table lease.reservation (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	ReservationID	int	X		
	ISBN	int			
FK	memberID	int			
	Res_date	datetime			
UK	LoanID	int			
	Notes	varchar(200)			

Indexes:

pk_reservation (Primary Key) (Clustered)

ReservationID

UQ__reservat__4F5AD43640B2B8DC (Unique)

LoanID

References:

members.member (memberID)

Referenced by:

items.Book (ReservationID)

lease.loan (loanID -> LoanID)

Table members.adult (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	AdultID	int			
	street	varchar(20)			
	city	varchar(20)			
	state	varchar(20)			
	zip	varchar(20)		X	
	phoneID	varchar(20)		X	
FK	memberID	int			
	RequireID	varchar(20)			
	birth_date	datetime			
	expr_date	datetime			

Indexes:

pk_adult (Primary Key) (Clustered)

AdultID

References:

members.member (memberID)

Referenced by:

members.juvenile (AdultID)

Table members.juvenile (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	JuvenileID	int			
FK	AdultID	int			
FK	memberID	int			
	birth_date	datetime			
	expr_date	datetime			

Indexes:

pk_juvenile (Primary Key) (Clustered)

JuvenileID

References:

members.adult (AdultID)

members.member (memberID)

Table members.member (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	memberID	int	X		
	lastname	varchar(20)			
	firstname	varchar(20)			
	middleinitial	varchar(4)		X	
	photograph	varbinary(max)		X	
	AdultID	int		X	
	JuvenileID	int		X	

Indexes:

pk_member (*Primary Key*) (*Clustered*)

memberID

Referenced by:

lease.loan (*memberID*)

lease.reservation (*memberID*)

members.adult (*memberID*)

members.juvenile (*memberID*)

Table staffs.Librarian (*0 rows*)

	Column	Data Type	Identity	Nullable	Default
PK	LibrarianID	int	X		
	EmpID	int			

Indexes:

PK_Librarian (*Primary Key*) (*Clustered*)

LibrarianID

Referenced by:

lease.loan (*LibrarianID*)