

eLibrarys Project's Entities' Tables

Project :- E_Library

Instructor :- Ahmed Al Aamery

User

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
User_id	Int	PK auto_increment
User_name	varchar(255)	Not null
User_email	varchar(255)	Not null
User_password	varchar(255)	Not null
User_group_id	tinyint(4)	Not null

Book

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Book_id	Int	PK auto_increment
Title	Varchar	Not null
Subtitle	Varchar	Not null
Photo	Varchar	Not null
Description	Text	Not null
depository_no	Varchar	Not null
Isbn	Varchar	Not null
Dewey_no	Varchar	Not null
Rating	Int	Not null
Publication_place	Varchar	Not null
Cat_id	Int	Not null

attachmen

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Att_id	Int	PK-- auto_increment
Att_Name	varchar(255)	Not null
Type	Varchar(200)	Not null
Path	varchar(255)	Not null
Book_id	Int	FK –book.book_id

author**(Charest: utf-8, Storage Engine: InnoDB)**

Field	Type	Constructor
author_id	Int	PK – auto_increment
author_img	varchar(255)	Not null
Author_name	varchar(255)	Not Null
Author_desc	varchar(255)	Not Null
Author_profession	varchar(255)	Not Null
Author_nationality	varchar(255)	Not Null
Author_birthDay	Date	Not null
Author_deathDay	Date	Not null

Book_Author_Rel**(Charest: utf-8, Storage Engine: InnoDB)**

Field	Type	Constructor
Rel_id	int	PK – auto_increment
Work_on_book	varchar(255)	Not null
Work_id	Int	Not Null
Book_id	Int	FK – book.book_id
Author_id	Int	FK – author.author_id

Publisher**(Charest: utf-8, Storage Engine: InnoDB)**

Field	Type	Constructor
Pub_id	Int	PK auto_increment
Pub_name	varchar(255)	Not null
Establishment date	Date	Not null
Owner	varchar (255)	Not null
Sequential_deposit_no	varchar (255)	Not null

Book_Publisher_Rel

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Rel_id	Int	Auto_increment
Book_id	Int	FK-- book.book.id
Pub_id	Int	FK-- publisher.pub_id

Category

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Cat_id	Int	PK auto_increment
Cat_name	varchar(255)	Not Null

Part

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Part_id	Int	PK auto_increment
Part_no	Int	Not null
Part_path	varchar(255)	Not null
Price	varchar(255)	Not null
Pages_no	varchar(255)	Not null
Publication_date	Date	Not null
Edition_no	varchar(255)	Not null
Edition_desc	varchar(255)	Not null
Format	varchar(255)	Not null
Size	varchar(255)	Not null
Num_of_copies	int	Not null
Book_id	Int	FK—book.book_id

Series

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Series_id	int	PK auto_increment
Series_name	varchar (255)	Not null

Part_Series_Rel

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Rel_id	Int	PK auto_increment
Number_in_series	Int	Not null
Series_id	Int	FK -- series.series_id
Part_id	int	FK -- part.part_id

Part_Copy_Rel

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Copy_no	Int	PK auto_increment
Part_id	int	FK --part.part_id

Language

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Language_Id	Int	PK auto_increment
Lang_Name	Int	Not null

Lang_Book_Rel

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Rel_id	Int	PK auto_increment
Lang_id	Int	FK – language.lang_id
Book_id	Int	FK – book.book_id

Lang_Author_Rel

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Rel_id	Int	PK Auto_increment
Lang_id	Int	FK -- language.lang_id
Author_id	Int	FK – author.author_id

Lang_publisher_Rel

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Rel_id	Int	PK auto_increment
Lang_id	Int	FK – language.lang_id
Pub_id	Int	FK-- publisher.pub_id

[Advance search –View](#)

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Book_id	Int	Not null
Title	varchar(255)	Not Null
Photo	varchar(255)	Not null
Rating	Int	Not null
isBn	varchar(255)	Not null
Dewey-no	varchar(255)	Not Null
Cat_id	Int	Not nul
Cat_name	varchar(255)	Not null
Author_id	Int	Not null
Author_name	varchar(255)	Not null
Pub_id	Int	Not null
Pub_name	varchar(255)	Not null
Lang_name	varchar(255)	Not null

[Home_Search View](#)

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Book_id	Int	Not null
Title	varchar(255)	Not Null
Photo	varchar(255)	Not Null
Rating	Int	Not Null
Cat_id	Int	Not Null
Authot_id	Int	Not null
Cat_name	varchar(255)	Not null
Author_name	varchar(255)	Not null
Pub_id	Int	Not null
Pub_name	varchar(255)	Not null

Series View**(Charest: utf-8, Storage Engine: InnoDB)**

Field	Type	Constructor
Part_id	Int	PK auto_increment
Part_no	Int	Not null
Part_path	varchar(255)	Not null
Book_id	Int	Not null
Publication_date	Date	Not null
Price	varchar(255)	Not null
Pages_no	varchar(255)	Not null
Size	varchar(255)	Null
Edition_no	varchar(255)	Not null
Edition_desc	varchar(255)	Not null
Format	varchar(255)	Null
Num_of_copies	Int	Not null
Number_in_series	Int	Not null
Series_id	int	Not null
Series_name	varchar(255)	Not null

[Search with Series --View](#)

(Charest: utf-8, Storage Engine: InnoDB)

Field	Type	Constructor
Book_id	Int	PK auto_increment
Title	varchar(255)	Not null
Photo	varchar(255)	Not null
Rating	Int	Not null
Isbn	varchar(255)	Not null
Dewey_no	varchar(255)	Not null
Publication_date	Date	Not null
Cat_id	Int	Not null
Cat_name	varchar(255)	Not null
Author_id	Int	Not null
Author_name	varchar(255)	Not null
Pub_id	Int	Not null
Pub_name	varchar(255)	Not null
Lang_name	varchar(255)	Not null
Series_name	varchar(255)	Not null
Book_id	Int	Not null
Title	varchar(255)	Not null