COMP4920 DATABASE TABLE STRUCTURE: BOOKSWAPP

Table : User

COLUMN NAME	DATA TYPE	LENGTH	DEFAULT	INDEX	COMMENT
user_id	int		not null	auto_increment	
email	text		not null		
password	text	>6	not null		
university	text		null		
location			null		
mobile	varchar	20	not null		

Table: Book

COLUMN NAME	DATA TYPE	LENGTH	DEFAULT	INDEX	COMMENT
book_id	int	11	not null	auto_increment	
name	text		not null		
author	text		not null		
isbn	int	11	null		
prescribed_cours	text		not null		
edition	int	11	null		
condition	enum	5	null		(1,2,3,4,5)
transaction_type	enum	3	not null		(buy,sell,swap)
status	enum	3	available		(available,pending,sold)
price	decimal(10,0)	10	not null		
margin	decimal(10,0)	10	not null		
description	text		null		

Table: Book_List

COLUMN NAME	DATA TYPE	LENGTH	DEFAULT	INDEX	COMMENT
id	int	11	not null	auto_increment	
user_id	int	11	not null		
book_id	int	11	not null		
date	datetime		not null		

Table: Prescribed_Course

COLUMN NAME	DATA TYPE	LENGTH	DEFAULT	INDEX	COMMENT
book_id	int		not null		
course_id	text		not null		

Table: Book_Image

COLUMN NAME	DATA TYPE	LENGTH	DEFAULT	INDEX	COMMENT
image_id	int	11	not null	auto_increment	
book_id	int	11	not null		
image_id	blob		null		

Table: Wishlist

COLUMN NAME	DATA TYPE	LENGTH	DEFAULT	INDEX	COMMENT
Id	int		not null	auto_increment	
User_Id	int		not null		
Book_Id	int		not null		

Table: University

COLUMN NAME	DATA TYPE	LENGTH	DEFAULT	INDEX	COMMENT
university_id	int	11	not null		
course_id	text		not null		
prescribed_book	int	11	not null		

Table: Transaction

COLUMN NAME	DATA TYPE	LENGTH	DEFAULT	INDEX	COMMENT
id	int	11	not null	auto_increment	
selling_user_id	int	11	not null		User wanting to buy the book
buying_user_id	int	11	not null		User selling the book
status	enum		not null		(accept,pending,reject)
book_id	int	11	not null		

Table: Notification   add with accept/rejects

COLUMN NAME	DATA TYPE	LENGTH	DEFAULT	INDEX	COMMENT
Id	int		not null	auto_increment	
User_Id	int		not null		
Book_List_Id	int		not null		
Transaction_Id	int		not null		
Seen	tinyint	1	0		
Type	enum		not_null		(request, response, match, alert)