USERS

uuid	user_id	PK	references auth.users(id)
string	first_name		
string	last_name		
enum	role		customer, librarian
datetime	created_at		
boolean	is_active		
int	penalty_count		

BOOKS

int	book_id	PK
string	isbn	UK
string	title	
string	author	
string	publisher	
int	publication_year	
string	category	
int	total_copies	
int	available_copies	
datetime	created_at	
datetime	updated_at	

makes

reserved_for

receives

RESERVATIONS

int	reservation_id	PK	
int	user_id	FK	
int	book_id	FK	
datetime	reservation_date		
datetime	due_date		
datetime	return_date		
enum	status		active, returned, overdue, cancelled
boolean	reminder_sent		
datetime	created_at		

generates

PENALTIES

int	penalty_id	PK	
int	user_id	FK	
int	reservation_id	FK	
decimal	amount		
string	reason		
enum	status		pending, paid, waived
datetime	created_at		