transaction_history

id 🔗	integer
user_id 🔗	integer NN
transaction_id 🔗	integer NN
balance_before	decimal(15,2) NN
balance_after	decimal(15,2) NN
created_at	timestamp

users

id 🔑	integer
username	varchar(50) NN
password	varchar(255) NN
full_name	varchar(100) NN
phone	varchar(20) NN
email	varchar(100) NN
balance	decimal(15,2)
created_at	timestamp

otp_codes

id 🔑	integer
transaction_id 🔗	integer NN
otp_code	varchar(6) NN
expires_at	timestamp NN
is_used	boolean

transactions

id 🔑	integer
payer_id 🔗	integer NN
student_id 🔗	varchar(20) NN
amount	decimal(15,2) NN
status	enum NN
created_at	timestamp
completed_at	timestamp
failed_otp_attempts	integer NN

students

student_id 🔑	varchar(20)
full_name	varchar(100) NN
tuition_amount	decimal(15,2) NN
is_paid	boolean

transaction_locks

id 🔑	integer
resource_type	enum NN
resource_id	varchar(50) NN
expires_at	timestamp NN

transaction_history

id 🔑		integer
user_id 🔗	integer	NN
transaction_id 🔗	integer	NN
balance_before	decimal(15,2)	NN
balance_after	decimal(15,2)	NN
created_at		timestamp

users

id 🔑		integer
username	varchar(50)	NN
password	varchar(255)	NN
full_name	varchar(100)	NN
phone	varchar(20)	NN
email	varchar(100)	NN
balance	decimal(15,2)	
created_at		timestamp

otp_codes

id 🔑		integer
transaction_id 🔗	integer	NN
otp_code	varchar(6)	NN
expires_at	timestamp	NN
is_used		boolean

transactions

id 🔑		integer
payer_id 🔗	integer	NN
student_id 🔗	varchar(20)	NN
amount	decimal(15,2)	NN
status	enum	NN
created_at		timestamp
completed_at		timestamp
failed_otp_attempts	integer	NN

students

student_id 🔑		varchar(20)
full_name	varchar(100)	NN
tuition_amount	decimal(15,2)	NN
is_paid		boolean

transaction_locks

id 🔑		integer
resource_type	enum	NN
resource_id	varchar(50)	NN
expires_at	timestamp	NN

dbdiagram.io

```
Enum transaction_status {
    pending
    otp_sent
    completed
    failed
}


Enum lock_resource_type {
    user_account
    student_tuition
}
```