Splitwise App - Entities

Users
User_id - PK
Username - Unique
Email - Unique
Password - Encrypted
Created_at - Datetime
Updated_at - Datetime

Transactions
Transaction_id - PK
Payer_id - FK to Users table
Payee_id - FK to Users table
Amount - Decimal
Description - Varchar
Transaction_date - Datetime
Created_at - Datetime
Updated_at - Datetime

Balances
Balance_id - PK
User1_id - FK to Users table
User2_id - FK to users table
Balance_amount - Net amount user1 owes to user2 (could be negative if user2 owes user1)
Last_updated - Datetime

(user1 and user2 will be stored in a consistent manner, keeping the lower id first to avoid duplicacy)

Settlements
Settlement_id - PK
Payer_id - FK to Users table
Payee_id - FK to Users table
Amount- Decimal
Settlement_date - Datetime
Created_at - Datetime
Updated_at - Datetime