### Splitwise App - Entities

**Users**

User\_id - PK

Name - String

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 duplicity)