

Entity Relationship Diagram  
with Foreign Key  
Relationships for:

BalanceHistory  
Users  
Transactions  
MonthlyInterestAccrued

BalanceHistory	
id	INT NOT NULL AUTO INCREMENT
userId	INT NOT NULL
txid	INT NOT NULL
date	DateTime
balance	Float
amount	Float
type	String

BalanceHistory tracks  
balance movements by user  
action and date

Transactions	
txId	INT NOT NULL AUTO INCREMENT
userId	INT NOT NULL
date	DateTime
amount	Float
type	String

Transactions table logs  
deposit and withdrawal  
actions

Users	
userId	INT NOT NULL AUTO INCREMENT
{...User Model Details}	

Users Table has additional  
details not depicted

MonthlyInterestAccrued	
id	INT NOT NULL AUTO INCREMENT
userId	INT NOT NULL
date	DateTime
balance	Float
interest	Float

MonthlyInterestAccrued is  
tracked at end of month for  
each user

