

The user entity corresponds to users of the system where each user is associated with an external OAuth 2.0 provider.

user	
PK	<u>user_id: UUID</u>
IX1	created: TIMESTAMP
UK1	external_key: UUID
UK2	oath_key: VARCHAR(30)

transaction	
PK	<u>transaction_id: UUID</u>
IX1	created: TIMESTAMP
FK1	account_id: UUID
FK2	budget_id:
UK1	external_id: UUID
	note: NVARCHAR(2000)
	amount: VARCHAR(100)
IX2	name: VARCHAR(100)

budget	
PK	<u>budget_id: UUID</u>
FK1	created: TIMESTAMP
IX1	name: VARCHAR(100)
FK2	account_id: UUID
FK3	transaction_id: UUID
UK1	external_key: UUID
	amount: VARCHAR(100)
	type: VARCHAR(250)

A user can have many rows of history data.

history	
PK	<u>history_id: UUID</u>
IX1	created: TIMESTAMP
UK1	external_key: UUID
FK1	user_id: UUID
FK2	account_id: UUID
FK3	transaction_id: UUID
FK4	budget_id : UUID

Many accounts can be saved to a users history

account	
PK	<u>account_id: UUID</u>
IX1	created: TIMESTAMP
UK1	external_key: UUID
FK2	budget_id: UUID
IX2	name: VARCHAR(100)
IX3	type: VARCHAR(250)

An account may belong in many different budget categories.

An account can have many transaction types