Table Details

1. users

Field	Type	Description	Constraints
id	UUID	Unique user identifier	PRIMARY KEY, DEFAULT gen_random_uuid()
name	VARCHAR 100	Full name	NOT NULL
email	VARCHAR 150	Email address	UNIQUE, NOT NULL
password_hash	VARCHAR 255	Hashed password	NOT NULL
profile_pic_url	BYTES	Store the image in BLOB form	
oauth_provider	VARCHAR 50	e.g., 'google', 'github' (optional)	
oauth_id	VARCHAR 100	Social login provider user ID	
created_at	TIMESTAMP	Account creation time	DEFAULT now()
updated_at	TIMESTAMP	Last update time	DEFAULT now()

2. categories

Field	Type	Description	Constraints
id	UUID	Unique category identifier	PRIMARY KEY, DEFAULT gen_random_uuid()
user_id	UUID	Owner (user)	REFERENCES users(id), NOT NULL
name	VARCHAR 50	Category name (e.g., Food, Salary)	NOT NULL
type	VARCHAR 10	'expense' or 'income'	CHECK (type in ('expense','income')), NOT NULL
icon	VARCHAR 50	Emoji or icon name (optional)	
color	VARCHAR 20	Hex code or color name (optional)	

3. transactions

Field	Type	Description	Constraints
id	UUID	Unique transaction identifier	PRIMARY KEY, DEFAULT gen_random_uuid()
user_id	UUID	Who made it	REFERENCES users(id), NOT NULL
category_id	UUID	Category	REFERENCES categories(id), NOT NULL
amount	NUMERIC 12,2	Amount of transaction	NOT NULL
type	VARCHAR 10	'expense' or 'income'	CHECK (type in ('expense','income')), NOT NULL
description	TEXT	Optional notes	
date	DATE	Transaction date	NOT NULL
receipt_url	VARCHAR 255	Optional receipt file link	
created_at	TIMESTAMP	Creation time	DEFAULT now()
updated_at	TIMESTAMP	Last update time	DEFAULT now()

4. budgets

Field	Type	Description	Constraints
id	UUID	Unique budget identifier	PRIMARY KEY, DEFAULT gen_random_uuid()
user_id	UUID	Belongs to user	REFERENCES users(id), NOT NULL
category_id	UUID	Specific category or overall (nullable)	REFERENCES categories(id), NULLABLE
amount	NUMERIC 12,2	Budgeted amount	NOT NULL
period	VARCHAR 15	'monthly', 'weekly', etc.	NOT NULL
start_date	DATE	When budget starts	NOT NULL
end_date	DATE	When budget ends	NOT NULL
created_at	TIMESTAMP	Creation time	DEFAULT now()
updated_at	TIMESTAMP	Last update	DEFAULT now()

5. recurring_transactions

Field	Type	Description	Constraints
id	UUID	Unique recurring transaction ID	PRIMARY KEY, DEFAULT gen_random_uuid()
user_id	UUID	Belongs to user	REFERENCES users(id), NOT NULL
category_id	UUID	Category	REFERENCES categories(id), NOT NULL
Field	Type	Description	Constraints
amount	NUMERIC 12,2	Amount	NOT NULL
type	VARCHAR 10	'expense' or 'income'	CHECK (type in ('expense','income')), NOT NULL
description	TEXT	Optional label	
interval	VARCHAR 20	'monthly', 'weekly', 'yearly', etc.	NOT NULL
next_run_date	DATE	Next run date	NOT NULL
active	BOOLEAN	Is schedule active?	DEFAULT TRUE
created_at	TIMESTAMP	Record created	DEFAULT now()
updated_at	TIMESTAMP	Last update	DEFAULT now()