

Expense Tracker Database Schema (DBML)

Generated by ChatGPT

October 28, 2025

DBML Code

```
Table Currency {
  currency_code char(3) [pk]
  symbol varchar(5)
  name varchar(50)
}

Table User {
  user_id int [pk, increment]
  full_name varchar(100)
  email varchar(100) [unique]
  password_hash varchar(255)
  currency_code char(3)
  created_at datetime
}

Table Category {
  category_id int [pk, increment]
  user_id int
  name varchar(50)
  description varchar(255)
  is_default boolean
  color_code varchar(7)
}

Table Expense {
  expense_id int [pk, increment]
  user_id int
  category_id int
  amount decimal(10,2)
  expense_date date
  description text
  note varchar(255)
  created_at datetime
  updated_at datetime
}

Table Budget {
  budget_id int [pk, increment]
  user_id int
  category_id int
  month int
  year int
  amount_limit decimal(10,2)
  created_at datetime
}
```

```
updated_at datetime
Indexes {
  (user_id, category_id, month, year) [unique]
}

Ref: User.currency_code > Currency.currency_code
Ref: Category.user_id > User.user_id
Ref: Expense.user_id > User.user_id
Ref: Expense.category_id > Category.category_id
Ref: Budget.user_id > User.user_id
Ref: Budget.category_id > Category.category_id
```