

## Relational Schema

- User (userId, name, gender, dateOfBirth, state)
- Expense (expenseId, date, amount, category, description, percentage)
- Budget (budgetId, startDate, amount, period, description)
- Account (accountId, accountName, userId)
- User\_Budget (userId, budgetId)
- Expense\_Account (expenseId, budgetId)

### ENUMERATION:

- Category {food, housing, transport, entertainment, travel, hobby, apparel, savings, insurance, miscellaneous}
- Period {bi-weekly, monthly, seasonal, annual}

## Functional Dependencies

- userId -> {name, gender, dateOfBirth, state}
- expenseId -> {date, amount, category, description, percentage}
- budgetId -> {startDate, amount, period, description}
- accountId -> {accountName, userId}