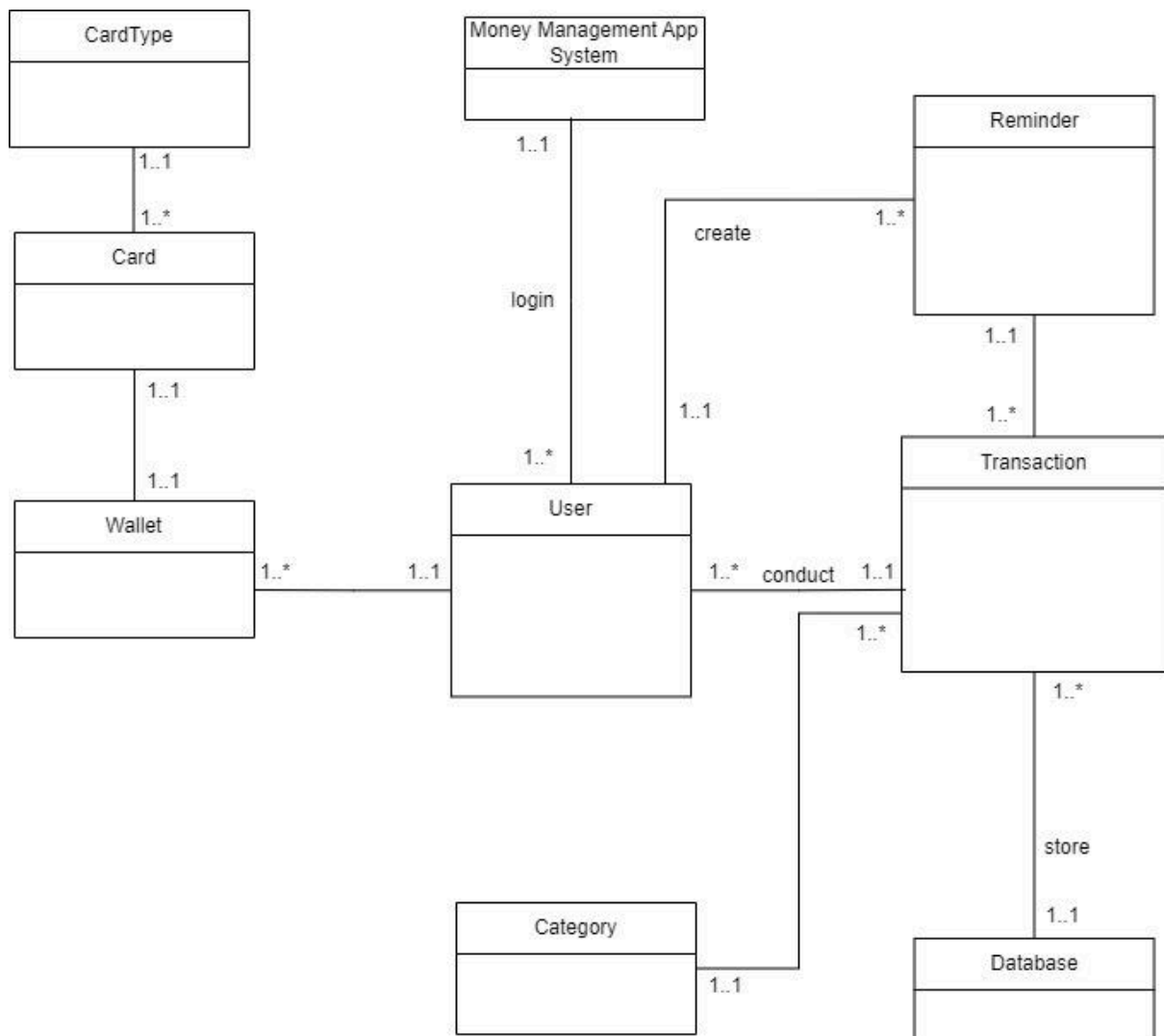# Domain Model

Member:

★ 1959019 - Phạm Lê Hoàng Minh
★ 2159001 - Võ Quang Dũng
★ 2159011 - Nguyễn Ngọc Phú

User:
- *id:* id number when user creates the account.
- *name:* name of user.
- *username*: used for signIn/signUp to use the app
- *password:* …
- *emails:*
- *phoneNumber:* personal phone number
- *pin:* used when user wants to conduct a transaction, which increases security level.
- *wallets:* user can have many wallets, each wallet has 1 bank card.
- *dailyBudget:* user can set how much money he/she wants to use in a day.
- *totalBalance:* the total amount of money from wallets.

Wallet:
- *name:* user can set the name for the wallet
- *totalBalance:* total amount of money in the bank card.
- *cardInfo:* has reference to Card type.

Card:
- *name:* name of the bank card
- *type:* could be Mastercard/ Visa/ Amex
- *cardNo:* number of the bank card.

CardType: contains type of card as enum: Mastercard/Visa/Amex

Transaction:
- *id:* created when users conduct transactions.
- *name:* title of the transaction.
- *image:* icon image for categories: Food, Water Bill,...
- *description:* user can add extra details for each transaction.
- *date:* store the time when user conducts a transaction.
- *amount:* the amount of money for the transaction.
- *category:* type of Category.
- *wallet:* the wallet that the user uses for the transaction.
- *isAutoCharged:* when this value is true, the same transaction with different ID will be created and await to be confirmed.

Reminder:
- *id:*
- *transactionID:* user can choose to add reminder for desired transaction.
- *date:* user can choose the time to remind him/her about the transaction.
- *label:* title of the reminder.
- *amount:* show the amount of the transaction under the label.

Category:
- *id:* auto created when admin adds a new category.
- *name:* name of the category.
- *type:* food, bills, shopping,...

Database: store user's credentials, their wallets information and transactions details.