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Database Project

## Steps:

* Create the Narrative. Why is this database necessary?
* Create the business rules. Simple and to the point
* Identify all the Entities and Attributes given by the business rules
* Create the ERD model
* Using the ERD model, create the logical model
* Using the logical model, create the relational model

## Narrative:

People are struggling to understand their financial health now more than ever due to COVID-19. To better understand how we can improve our future well beings we can need to understand how their debts, liquid funds, and retirement funds change over time. Spending behaviors can be changed by seeing the effects on balances they have. It is time people log their financial information and receive quick and simple to understand feedback about their financial health in order to drive better financial decision making in the future.

## Business Rules

* A person is considered a User the moment they sign up with their information.
* A User can have zero or many than one of the Account.
* A User can have zero or many Cash Flow patterns.

## Glossary

* **User** – A person who has entered their personal information, and will b
* **Discretionary monthly Income** – Income after taxes
* **Average Spending** – average estimated monthly spending
* **Account Category** – categorization of the account that describes the general characteristics of the account
  + **Debt** – an obligation to pay money to the creditor who loaned the money
    - Home Equity Loans (HELOC)
    - Mortgage
    - Personal
    - Student
    - Auto
    - Credit Card
  + **Investment** – an account in which you hold stocks, bonds, mutual funds, or other investment vehicles
    - Brokerage
    - Pension
    - 401k
    - IRA
    - Roth IRA
  + **Bank** – accounts in which can be easily accessed and withdrawn from.
    - Checking
    - Savings
    - Certificate of Deposit

## What Would I Want To Know?

* What is my debt to income ratio?
* How much of my monthly income am I spending?
* How has spending changed over time?
* How has my debt changed over time?
* What is my debt to bank account balance ratio?
* How much interest am I paying on my debt every year?