Mother's Hand | Data Science Project

Creator/Scriber/Database Developer: Elise Frazier

- **Database Software- MySQL**
- **UML Diagram creator- Diagrams.net**
- **Website-**
    - **-Displaying database onto my website:**
      https://smallbusiness.chron.com/database-52268.html
- **Data Visualization of progress- Matplotlib, Python, Pandas and Dataframes**

*-optional
        -Giver | address > to send the giver a thank you note

Entities

Giver

giver_id	name	email address	address(*)

Customer

- **Customer_id =** helps to identify each customer exclusively
- **Name =** name of customer
- **Bank account number =** the number of bank account where they can receive donations and for financial specialists to assist them directly to reach personal or long-term financial plans/goals
- **Current bank account amount** = an easily accessible section for customers to check their current financial standing and for financial specialists to remind them of any issue or potential low amounts.
- **Care status-**This is identified after the customer has filled out a feedback form/help form, in the system the customer will be changed to select "Yes" under the Care status. By default the care status will be set based on the current amount in the customer's bank account and based on the current state of their financial plans.
- **Phone number-**To contact the customer directly for further assistance or issues that arise with their account.
- **Address**- To send personable letters and reminders/updates
- **Assigned FS**- the designated financial specialist based on their needs

customer_id	name	address	Bank account number	Current bank account amount	Care Status	f_FS

Foreign key(s): {f_FS| Financial Specialist's name}

Financial Specialist

- **Specialist_id-** used to distinctly identify each financial specialist
- **Name-** name of the financial specialist
- **Email address-** For the client and manager to contact them.
- **Number of customers-** For them to keep track of how many clients they currently have but also for the managers and the system keep up with how more and how less they need to assign a customer to a particular financial specialist
- **Assigned current customer(s)-** Would access the list of current customer(s) that are assigned to a particular financial specialist.
- Help provided-a selector of Yes or No that they have assisted a customer or their assigned customer(s).

specialist_id	name	Email address	Number of customers	Assigned current customer(s)	Help provided

Foreign key(s): {Assigned current customers| customer's name, customer_id}

Bank

- **name-** Name of the bank
- Customer_id- the bank the customer is being assisted by.
- Financial specialist name-the name of the financial specialist that works for the customer's specific bank
- Help needed- A selector of yes or no that notifies the bank if a financial specialist is needed to assist a customer or customers.

name	customer_id	Email address	Financial specialist name	Assigned current customer(s)	Help needed

Foreign key(s): {customer_id, financial specialist_name, assigned current customer(s)}