**Python Classes and Functions**

1. Transaction

2. Category

**Things to Read In per Month**

Vanguard

Robinhood

Wells Fargo

Venmo

Marcus

**Database Organization**

Database: account

* account\_id
* name
  + 32 character max

Database: category

* category\_id
* name
  + 32 character max
* parent
  + ID of the ‘parent’ category. For example (GYM is a child category of HEALTH).

Database: keywords

* category\_id
* keyword
  + 32 letter keyword

Database: ledger

* key
  + auto increment primary key
* trans\_date
  + DATE SQL object
* account\_id
  + 10 digits representing account ID that the transaction is from
* category\_id
  + 10 digits representing category that the transaction belongs to
* trans\_description
  + VARCHAR item with 200 character max. Represents a description of the transaction.

**GUI Tab Organization**

* Welcome page
* Analyze data
* Load data
* Edit categories, accounts

**Loading in data process**

1. Select year and month, then select file from dropdown of that menu
2. Then select account from another dropdown
3. Hit a button to load in the file
4. A statement object will be created on the GUI depending on what type of account it is
5. All transaction data will be loaded

**Graphing**

* https://plotly.com/python/funnel-charts/