

Neil Soans

### **Connect external accounts**

IF user enters account information for external bank account

THEN

- ROUTE request to database
- VERIFY that account exists using third-party
  - IF verification fails
  - RETURN error message
- ENCRYPT account information
- STORE account in database
- RETURN confirmation of connection and storage

### **Store expense information into database based on date**

IF user enters expenses

THEN

- CAPTURE exact time and date
- SEPARATE data into variables
- VERIFY data is valid and exists
- STORE the expense in database
  - DATE, ACCOUNT, EXPENSE, CHANGE TO BALANCE
- RETURN response that confirms updates

### **Pull/Sync account change in balances automatically**

IF user has accounts in database and accesses page regarding account balances

THEN

- SEND data request to external accounts
- VERIFY that the data is up to date and accurate
- STORE data into database
  - ACCOUNT, EXTERNAL ACCOUNT, BALANCE, DATE
- PULL data from database
- RETURN updated numbers to user