**Main Functions**  
  
Start()  
- Initializes the bot, sets parameters, reads from database for previous data  
  
Tick()   
- Trading engine in here, gets called continuously as defined by tick interval, takes in market data – buy/sell/etc, continuously writes to portfolio, continuously writes to DB  
  
Error()   
- Exception handling that is caught, determines what caused the error and how to correctly log and write to the database for last results  
  
Stop()   
- Stops the bot, stores final values in database  
  
Log()   
- Logs given object/message/etc   
  
Database()  
- Writes, updates, or returns queries to database for persisting and reading data, contains all database connections here  
  
Portfolio()  
- Updates or returns info from the current portfolio for persisting and reading data  
  
**Trading Functions**

Buy()   
- Attempts to purchase the security at the price and order details, returns info about the results as per the API, adds order to a buffer  
  
Sell()  
- Attempts to sell the security at the price and order details, returns info about the results as per the API,  
adds order to a buffer  
  
Orders()   
- Gets or clears all current orders/specific order based on the parameters given

**Trading Engine Logic**- Based on a machine learning algorithm  
  
Enter When \_\_\_  
Exit When \_\_\_  
Stop When \_\_\_