Objectives:

* Stream real-time *stocks*
* Place *enter* and *exit positions*
* Manage *account data* (stocks, activities, etc.)
* Calculate different *indicators*

Solution:

The following objects to be created –

* *Bot* – mimic the user, interacting and making requests to the online trading platform APIs.
* *Stock frame* – stores the stock prices; adding, cleaning, appending, handling and organizing price data.
* *Portfolio* – mimics account activity; use of existing data for decision making process, and some metrics for future calculations.
* *Trade* – each order, i.e. buy/sell/anything else of the stocks.
* *Indicators* – technical indicators; used to specify buy/sell criteria and any other method for trading.