Forex Data Downloader

Find currency data, grab some nice profits

Project Description

We are going to create a business that makes Foreign Exchange (Forex) market data much more accessible to traders, researchers, and data scientists. The Forex market is composed of traded global currencies from countries around the world. While the New York Stock Exchange has a daily traded volume of about $24.4 billion, currencies are traded at a daily volume of about $6.6 trillion. People can find great success by dabbling in the Foreign Exchange market, but it can also be extremely difficult and risky. With easy access to historical and current data, traders can gain an analytical edge in order to discover successful strategies.

Team

We will be on a team of three: Caleb Lewis, Caleb Pomar, and Ethan Pedersen.

NoSQL

After some initial thought, we have decided that a document NoSQL database, such as MongoDB, should satisfy our needs and should also be fairly straightforward to use.

Business

Our business will have two level of services:

1. A small monthly subscription fee where each user can have access to historical/current data for up to five currency pairs.
2. A higher monthly fee, but with access to every currency pair.

Legal

The business will be PipTipz LLC.

Technical

These will be the technical challenges to tackle:
- Discover where and how to host our server
- Get a domain name
- Build the SQL database
- Implement the necessary backend services
  - Retrieve/insert needed information from/into the database
  - Use the Oanda API to retrieve Forex data
- Build the NoSQL database
  - Also make any necessary adjustments to the backend services
- Create (at least a basic) front end