Internship Challenge 2022

The brokerage firm generated a daily report containing the average price of every executed orders.

Currently, the data is hosted by a relation database(feel free to choose any database you liked).

The entities for this report are: Trader, order and trade.

An order can have multiple trades, one trade is created by one single order, always.

A picture containing diagram

Description automatically generated

Build an application that will create a text file (.csv)

TraderCode, TraderName, OrderID, Ticker, Qty, AVGPrice

JDO, John Doe, 123456, PETR4, 1000,25.123456  
JSM, John Smith, 123457, ITUB4, 2000,40.000000

The solution must be created using java 8 (Or superior), and spring boot.

The Spring Boot must have 2 endpoints:

**/CreateNewFile** – GET  
(The file will be created and the response will be the complete file path).

**/financialByTrader** – GET  
(Return a JSON with all traders data, containing TraderCode and the sum of all trades (Qty \* AvgPrice)

Example:  
  
[{“TraderCode”:”JDO”,”Total”:25123.456”},{“TraderCode”:”JSM”,”Total”:”80000”}]

Tasks:

1. Create the database schema(Via Script).
2. Populate the tables (Via Script).

The file must be created in any folder (C:\Temp or /tmp).