CMPE 230 Project 3

Merve Gürbüz 2018400186

Muhammet Şen 2018400192

## Description of Project:

We are asked to build a basic GUI to show cryptocurrency prices using Qt with C++.

## Implementation:

First, we get the filename from the "MYCRYPTOCONVERT" environment variable and read the file with ifstream. Then, we make GET request to "api/v3/coins/list" endpoint to get coin names, symbols, and ids since we need the ids of the given coins. A nested loop searches for names or symbols and finds ids. After having all ids, we prepare the url for "api/v3/simple/price" endpoint by appending ids separated by commas. Connecting the "insertData" slot to network manager and disconnecting the previous one is necessary to proceed. We convert the reply string to a QJsonObject and find prices by iterating through it. For each coin and for each "vs_currency", we insert the price to table.

## Further Improvements:

The most important improvement would be having a better design and more responsive UI. For now, the main window's width and height are constant. Making the resolution and font size responsive would be great.

Another improvement would be allowing user to add new coin names directly to table, without using a file.