# CMPE 230 PROJECT III REPORT

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## 1 Our Solution and Code Implementation

At the beginning of the project, we had question marks about how we would do the project. One of these questions was how to read crypto names from the given file. In order to solve this problem we used QString object and .readLine() function. And then we just record the names of the crypto currencies into a QStringList object.

Second question that we encounter was about how to place the ID's of the read cryptonames into a list. In order to solve this program we first fetch the data from given url and processed it using QRegExp object. We used pattern matching to process given url's fetched data. After that we created a network request that is made from crypto ID's.

After that we initiated retrieval of the data from the web page. When it is completed, the slot replyFinished will be called. We used connect structure to do this. When replyFinished is called we continued to construct our program. We used setHorizantalHeaderLabels and setVerticalHeaderLabels to line up USD, EUR, GPB and name list respectively. Lastly we used QMainWindow object, setCentralWidget and setWindowTitle for creating main window, setting central widget and setting window title respectively.

In short, our project - solution - have the following structure:

```
/*      I.    * READ THE CRYPTO NAMES FROM THE GIVEN FILE *
/*      II.   * PLACE THE ID'S OF THE READ CRPYTONAMES INTO A LIST.
/*      III.  * CREATE A NETWORK REQUEST THAT IS MADE FROM CRYPTO ID'S.
/*      IV.   * CREATE THE PROGRAM (TABLES, WIDGETS, ALIGNMENTS ETC.)
```

In order to execute our program enter the following commands in terminal:

qmake -project (then we need to add QT+= widgets, QT+= network manually)

qmake 230-project3.pro

make

./230-project3