Please refer to the document below for all the instructions for the final project.

[FinalProject\_Spring2020 .docx](https://uta.instructure.com/courses/41662/files/6774473/download?wrap=1)

[Actions](https://uta.instructure.com/courses/41662/assignments/555882)

Below are the common questions and hints for this project.  I give reference material that you can explore to solve the problems in this project.

**Hints and References:**

you can consider using lxml parser instead of the html parser, which is more powerful.  Documentation of all the attributes and methods of BeautifulSoup can be found in the   following online page: [https://www.crummy.com/software/BeautifulSoup/bs4/doc/ (Links to an external site.)](https://www.crummy.com/software/BeautifulSoup/bs4/doc/)

Especially, pay attention to the use of the "**.next\_sibling**" attribute. This attribute is very powerful for navigating the webpage and help you to find a table after a particular heading.

**FAQ:**

Q1. Whether the result should be stored in a .txt file or a .csv file?

You can use either as long as the end-user can retrieve the information of a stock later. After all, the .csv file is by nature a plain text file using the ',' as the delimiter.  But the process of writing to a .csv file would be a little bit different from writing to a text file. You need to import the csv package. (Refer to the YouTube tutorials below for more detailed information).

[https://www.youtube.com/watch?v=ng2o98k983k (Links to an external site.)](https://www.youtube.com/watch?v=ng2o98k983k)[](https://www.youtube.com/watch?v=ng2o98k983k)

Q2. Can we use Pandas since the information we scrape from the website is a table?

Yes, although our class won't cover the details about the usage of data frames. But if you know how to use Pandas and found that simplify your program you can use it.  But the problem can also be solved without using Pandas. If you are interested in using Pandas, you can refer to the link below:

[Tables and XML - Web scraping with Beautiful Soup 4 p.3](https://www.youtube.com/watch?v=sAuGH1Kto2I)