CS341 / Assignment 2

Due Date: Wednesday 10/17/2017 @ 11:59 PM PST

/ Instructions

All answers to homework problems must be typed and submitted in a PDF file (if you need help converting to PDF - please ask. I'm happy to help!).

Your code should be easy to read... please comment any complex blocks of code and / or tell me what each of the methods do (remember: if I understand your code easily – the happier I am – the better grade you get).

Remember to cite URL sources you use in comments inside your code.

Please include and compress your PDF file with your source code and README.txt file into a zip file.

/ Homework Questions

Chapter 2 Review Questions (starting on pg. 6171): R1, R3, R6, R8, R9, R10, R11, R12, R26, R27

Problems (starting on pg. 173): P1, P4, P5

/ Programming Assignment

Complete the Java command line application by adding code where you see $\mathbb{TODO}$ comments.

To compile the class type $\mathtt{make}$ in the command line in the directory where you placed the file.

The application accepts a URL (such as: http://www.williammortl.com/index.html) from the command line, for example:

```
java SocketGet http://www.williammortl.com/index.html
```

This application should then make a HTTP request to "GET" the HTML page for that URL and then print the HTTP header as well as the HTML for the page to the console.

You must use the Java "socket" class to do all network I/O with the webserver.

Yes, I'm aware this is on Stack Overflow, but you must understand how this works, as you will be tested on it.

For extra credit, try to get things working with HTTPS (this will earn you a 110/100).

I will test your code with the following URLs:

- http://www.williammortl.com/index.html
- http://www.limerickfc.ie/news-news