

Marking Scheme
CPSC 441 – Assignment 2
Total Points = 100

*We have to be able to **compile** and **run** your code using Java command line tools (i.e., `javac` and `java`) with default options (as installed on CPSC Linux machines). Otherwise, you will receive a mark of 0 regardless of the actual implementation and the amount of code submitted.*

General features:

1. Downloads text and binary objects
 - a. Works with both HTTP and HTTPS
 - b. Object is downloaded correctly, the downloaded object is an exact copy of the original object, no missing or additional data
 - c. The local file name is correct
2. Program can handle different URLs
 - a. With and without port number
 - b. Different host names
 - c. Arbitrary path names

Requirements

Description	Penalty
Program includes concepts or libraries that are not allowed	-50
Method signatures do not conform to the specification	-50
Program does not have proper code structure and comments	-10
Exceptions are not handled as required	-10
Submission instructions have not been followed	-20

Comments:

Functionality

Marks	Description	Grade
Base Case:		
<i>Run the client locally. Download “/~mghaderi/files/medium.pdf” file from “pages.cs.ualgary.ca” server using HTTPS.</i>		
50	1. url = https://pages.cs.ualgary.ca/~mghaderi/files/medium.pdf: a. The client runs and transfer is completed quickly. b. The object is downloaded correctly. c. There is no stalling or exceptions.	
20	2. Correct output: GET an object that <i>does not</i> exist on the server a. HTTP Request (5) b. HTTP Response (5) c. No local file is created (5) d. Console output has the correct format (5)	
Additional Cases:		
<i>Change the value of the parameters mentioned below. For others, use the default values.</i>		
10	3. HTTP support a. url = http://pages.cs.ualgary.ca/~mghaderi/files/medium.pdf	
10	4. Effect of file size and type a. A small text file of a few Bytes (small.txt) (5) b. A large binary file of several MBytes (large.jpg) (5)	
10	5. URL handling a. With port number (5) b. A random URL from the Internet (5)	