

**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. Object is downloaded correctly, the downloaded object is an exact copy of the original object, no missing or additional data
  - b. 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
Submission instructions have not been followed	-20
Design document not submitted or unacceptable.	-20

**Comments:**

## Functionality

Marks	Description	Grade
<b>Base Case:</b>		
<i>Run the client locally. Download a binary object of a few 100 Kbytes from a remote web server.</i>		
50	<ol style="list-style-type: none"><li>1. Expected outcome:<ol style="list-style-type: none"><li>a. The client runs and transfer is completed quickly.</li><li>b. The object is downloaded correctly.</li><li>c. There is no stalling or exceptions.</li></ol></li></ol>	
20	<ol style="list-style-type: none"><li>2. Correct output: GET an object that <i>does not</i> exist on the server<ol style="list-style-type: none"><li>a. HTTP Request (5)</li><li>b. HTTP Response (5)</li><li>c. No local file is created (5)</li><li>d. Console output has the correct format (5)</li></ol></li></ol>	
<b>Additional Cases:</b>		
<i>Change the value of the parameters mentioned below. For others, use the default values.</i>		
10	<ol style="list-style-type: none"><li>3. Effect of file size and type<ol style="list-style-type: none"><li>a. A small text file of a few Bytes (5)</li><li>b. A large binary file of several MBytes (5)</li></ol></li></ol>	
20	<ol style="list-style-type: none"><li>4. URL handling<ol style="list-style-type: none"><li>a. With port number (5)</li><li>b. Different host names (5)</li><li>c. Different path names (5)</li><li>d. Default path name (5)</li></ol></li></ol>	