**LAB: World Wide Web and Internet**

**Vocabulary (40pts; 4pts per term):** One of the most important aspects of the computer information field is that we can understand each other. To that end, your task is to define the terms below ***in your own words***. You can use your notes, my slides, or [W3Schools](http://www.w3schools.com/), but if any of your definitions from one of those resources, your grade on this assignment will be a zero.

1. Internet
2. Search Engine
3. Domain Name
4. Domain Name System (DNS)
5. IP Address
6. Resource Path
7. HTML
8. Uniform Resource Locator (URL)
9. Server
10. Client

**Short Answer (14pts):** Answer the following questions using 2-3 sentences complete sentences

1. What is the purpose of a web browser? (**4pts**)
2. Describe the three services that a server provides: hosting, receiving requests, and serving (**6pts**)
3. Explain the differences and similarities between a Domain Name and an IP Address. (**4pts**)

**Testing Your Skills (50pts)**

1. For each of the following URLs label the protocol, domain name, and resource location (**25pts; 5pts each**)
   1. <http://google.com/drive/keep/notes.html>
      1. Protocol:
      2. Domain name:
      3. Resource Path:
      4. Resource Name:
   2. <http://instantwatcher.com/titles/new>
      1. Protocol:
      2. Domain name:
      3. Resource Path:
      4. Resource Name:
   3. <http://lakecam.tv/videos.html>
      1. Protocol:
      2. Domain name:
      3. Resource Path:
      4. Resource Name:
   4. <http://www.siteofawesome.com/news/events/dancingcats.html>
      1. Protocol:
      2. Domain name:
      3. Resource Path:
      4. Resource Name:
   5. <http://i.imgur.com/xjCuVrg.png>
      1. Protocol:
      2. Domain name:
      3. Resource Path:
      4. Resource Name:
2. For each of the URLs in the previous question, provide the IP address of the server, the Resource Path, and the Resource Name that is sent to the server as a request. Use the Domain Name Server I have provided below. (**25pts; 5pts each**)

***Domain Name Server***

|  |  |
| --- | --- |
| **Domain Name** | **IP Address** |
| google.com | 74.125.131.103 |
| instantwatcher.com | 207.192.71.165 |
| lakecam.tv | 65.254.250.109 |
| www.siteofawesome.com | 34.11.66.222 |
| i.imgur.com | 103.31.7.31 |

* 1. <http://google.com/drive/keep/notes.html>
     1. IP Address:
     2. Resource Path:
     3. Resource Name:
  2. <http://instantwatcher.com/titles/new>
     1. IP Address:
     2. Resource Path:
     3. Resource Name:
  3. <http://lakecam.tv/videos.html>
     1. IP Address:
     2. Resource Path:
     3. Resource Name:
  4. <http://www.siteofawesome.com/news/events/dancingcats.html>
     1. IP Address:
     2. Resource Path:
     3. Resource Name:
  5. <http://i.imgur.com/xjCuVrg.png>
     1. IP Address:
     2. Resource Path:
     3. Resource Name: