**Practice Problem Set 1**

1 Hour

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| Q1 | Midterm 201712 P2 | URL | \_\_\_ / 8 points |
| Q2 | Midterm 201706 P3 | URL | \_\_\_ / 10 points |
| Q3 | Midterm 201606 P2 | prototype | \_\_\_ / 11 points |
| Q4 | Final 201712 P1 | GraphQL vs. REST API | \_\_\_ / 8 points |
| Q5 | Final 201803 P17 | GraphQL vs. REST API | \_\_\_ / 8 points |
| Q6 | Final 201712 P7 | DDOS attack | \_\_\_ / 8 points |
| Q7 | Final 201703 P15 | DNS | \_\_\_ / 9 points |
| Q8 | Certificate Authority |  | \_\_\_ / 4 points |
|  | Total |  | \_\_\_ / 66 points |

**Question 8**

How does certificate authority work? Fill in the blank with choices of words: certificate, public key, private key

1. Service provider (e.g. Amazon.com) gives \_\_\_ to certificate authority.

2. certificate authority gives \_\_\_ to service provider.

3. Service provider passes \_\_\_ to browsers.

4. Browsers send \_\_\_ to service provider.