CS 372 Web Application Development HW2 (Due on Sept. 6, 11:59pm)

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(1) Dig or nslookup.

• Find the IP address(es) of the Web server of our university (i.e., IPFW).

Name: ipfw.edu

Address: 52.205.6.225

• Find the names and the IP addresses of the domain name servers of our university.

Server: idnsa.ipfw.edu

Address: 149.164.1.13

• Find the names and the IP addresses of the mail servers of our university.

Name: mailsec4.ipfw.edu

Address: 149.164.224.44

Name: mailsec3.ipfw.edu

Address: 149.164.5.40

• User the ARIN whois database to determine the IP address range of our university (either go to ARIN website or use its RESTful API).

149.164.0.0 - 149.164.255.255

(2) HTTP Request and Response.

• What is the main difference between HTTP GET request and HTTP POST request?

Post: more information is provided in the message body

Get: Information is provided in the URL

• When to use HTTP GET request and when to use HTTP POST request?

Use a POST request when you want to provide a lot of information, like a file or a video, also use this type of request when you want to be slightly more secure.

The opposite situations are when you want to use GET.

• What does it mean for HTTP response status code 200, 301, and 404?

200 - OK status code indicates everything is functioning and the request was successful.

301 - Moved permanently, means the resource you’re trying to access has been moved permanently to another location.

404 - Not found, means the resource you’re trying to access was not found at the designated location.

(3) Web service. Install “Postman” application to your Chrome browser, and use it to find the latitude and the longitude of the following locations:

• Fort Wayne, IN

"lat": 41.079273,

"lng": -85.1393513

• Miami, FL

"lat": 25.7616798,

"lng": -80.1917902

• San Francisco, CA

"lat": 37.7749295,

"lng": -122.4194155