

# CS2910 Exercise: HTTP Req. & Resp.

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Names: \_\_\_\_\_

**TODO: Merge & Re-split with Ex. 4-1. (to incorporate caching but not size). TODO: Bring both exercises to cfirst class.**

## First HTTP request/response

Using Wireshark to monitor network traffic, capture the HTTP traffic related to a browser request for:

`http://seprof.sebern.com/`

In Wireshark, you may have to filter on the HTTP protocol and either your own computer's IP address or the IP address that "seprof.sebern.com" resolves to (probably 192.185.16.126), using a Wireshark filter expression like:

`http&&ip.addr==192.185.16.126`

Clear your browser cache before making the following requests; if you don't know how to do this, consult the instructor.

First, examine the first HTTP request (for the URL above, sent from your computer to the web host) and fill in the following information (consult the HTTP RFC at [www.ietf.org/rfc/rfc2616.txt](http://www.ietf.org/rfc/rfc2616.txt), at section numbers noted):

HTTP Request		
HTTP Request-Line (5.1)	Method (5.1.1)	
	Request-URI (5.1.2)	
	HTTP-Version	
Request Header Fields	(list field names and values, perhaps abbreviated) (4,5,5.3,7.1)	
Request entity (message-body) (4.3)	Describe contents in detail, if any	
	Other questions or comments	

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Second, examine the corresponding HTTP response (HTML web page sent from the web host to your computer) and fill in the following information:

HTTP Response		
HTTP Status-Line (6.1)	HTTP-Version	
	Status-Code (6.1.1)	
	Reason-Phrase	
Response Header Fields	Transfer-Encoding (14.41)	
	Content-Type (14.17)	
	(list field names and values, perhaps abbreviated) (4,5,6.2,7.1)	
Response entity (message-body) (7.2)	Describe contents in detail, if any	
	Other questions or comments	

### Additional HTTP requests and responses

1. Were there any other HTTP request/response pairs, other than the first one for the HTML web page?
2. Does your answer change when you make the HTTP request a second time?
3. What if you clear your browser cache, and then repeat the original request?