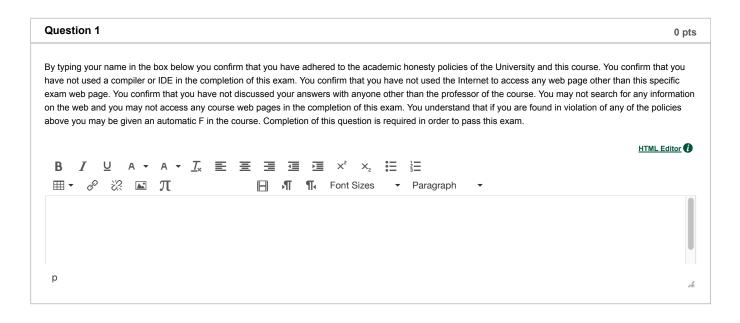
## Exam 2

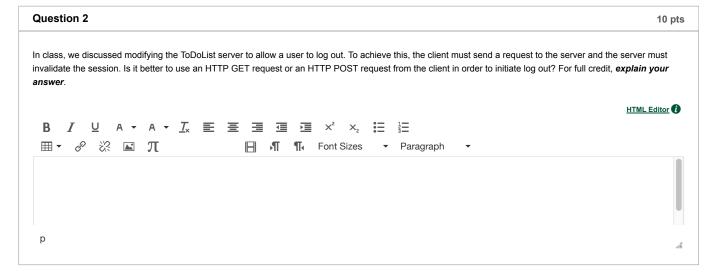
## ▲ This is a preview of the published version of the quiz

Started: Apr 20 at 9:35am

## **Quiz Instructions**

This exam must be completed during the class period on Wednesday, May 6, 2015. You may **not** use any additional resources to complete this exam. You may not use a compiler, you may not use the Internet beyond what is required to access the exam on canvas, you may not use any books or notes, and you may not discuss any part of your answers with anyone else.





Question 3	10 pts
Which of the following are <i>valid</i> HTTP GET requests?	
GET /index.html HTTP/1.0	
GET /~srollins/teaching.htmlHTTP/1.0	
Get /~srollins/teaching.html HTTP/1.0	
GET /cs212/assignments HTTP/1.1	

What would the URL look like for the HTTP request described as follows:

1. Domain: www.website.com
2. Port: 8080
3. Path: /my/path
4. Parameters: name=Bob, id=5

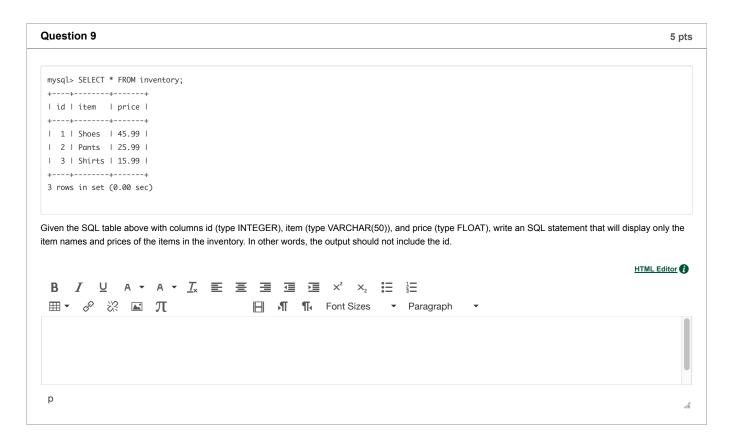
Question 7 10 pts

Project 3 requires the WorkQueue implementation discussed in class to be modified with a shutdown method and an awaitTermination method. Once the InvertedIndexBuilder adds all jobs to the WorkQueue it calls shutdown and awaitTermination before saving the index to a file. Why are the shutdown and awaitTermination methods necessary? What would happen if you did not invoke those methods before saving the index to a file? For full credit, make sure to answer both parts of this question.

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Question 8	5 pts
Give an example of why using sessions rather than cookies would be better for a web application.	
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**Question 11** 5 pts mysql> SELECT \* FROM inventory; +----+ | id | item | | price | +---+ | 1 | Shoes | 45.99 | | 2 | Pants | 25.99 | | 3 | Shirts | 15.99 | +----+ 3 rows in set (0.00 sec) Given the SQL table above with columns id (type INTEGER), item (type VARCHAR(50)), and price (type FLOAT), write an SQL statement that will display only the items in the inventory that have a price of greater than \$20. HTML Editor Font Sizes ▼ Paragraph р

Given the SQL table above with columns id (type INTEGER), item (type VARCHAR(50)), and price (type FLOAT), write an SQL statement that will insert a new item into the inventory. The item will be Jackets with a price of 150.00.

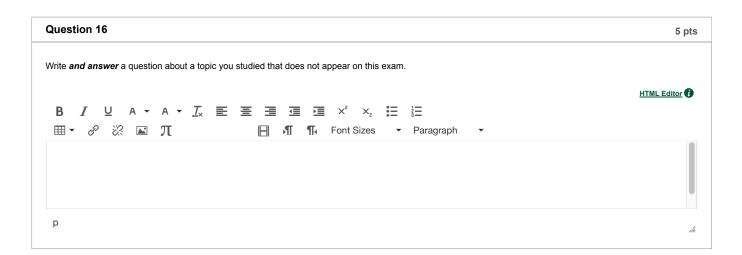
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Question 13 10 pt	ts
To illustrate how to develop unit tests we discussed an EmailParser class. The constructor took as input a string and extracted the local portion, the domain, and the top-level domain.	ne
Consider a similar class PhoneParser that parses a phone number. The constructor takes as input a string and extracts the area code, prefix, and suffix. The number 415-422-2024 would have an area code of 415, a prefix of 422, and a suffix of 2024.	
Describe <i>three</i> test cases that you would use test the PhoneParser class. Make sure to explain each test case, for example one test might be to test the valid phone number 415-422-2024. The expected output would be that no exceptions are thrown and all methods return the correct information.	
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Question 14	10 pts
Provide <i>two</i> HTTP status codes and describe what each means.	
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Question 15	5 pts
Describe the difference between the stripElement and stripTags method in the HTMLCleaner class you completed for homework.	
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Quiz saved at 9:35am

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