

Quiz 3	
	Initial Score (out of 100)
Name In accordance with both the letter and spirit of the Honor C this examination.	Student ID Code, I have neither given nor received assistance or
Signature	
Signature Make sure to write succinct answers to each question.	
Question 1: (24 pts) For each of the following statements, mark <b>True ("T"</b> )	) or <b>False ("F")</b> :
<ol> <li> Most databases support native search.</li> <li> Using a search architecture with a mid disadvantage of keeping two copies of the same.</li> <li> One of the full-text search challenges is multiple words.</li> <li> d(a, c) &gt;= d(a, b) + d(b, c) is always true.         <ul> <li>a, b, and c are three strings.</li> </ul> </li> <li> A user-defined function (UDF) provides of the database server by adding a function that programming language such as C/C++.</li> <li> Android should not kill a running active system runs out of resources (e.g., CPU, memor and connection pool is a set of database or requests.</li> <li> JMeter can be used to simulate a heavy reliability and performance.</li> </ol>	Idleware layer such as Lucene/Solr has a e data. s stemming, which tokenizes a string into e, where "d" is the edit distance function, and es a mechanism for extending the functionality at can be implemented in another vity even in the case where the operating ry). connections that can be reused by different
Question 2: (14 pts) Build an inverted index based on the three documents doc 1: The cat ran. doc 2: David wore the hat. doc 3: David caught the cat.	s below. Sort items in alphabetical order.
Question 3: (12 pts) Suppose two MySQL instances are connected using th lectures. Mark T(true) or F (false) for each of the followant of the second of the followant of the second of the followant of the second of the second of the followant of the second	wing statements. onsibilities. instances and read the changes from the other. vo instances.



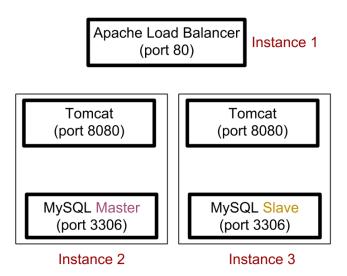
# **Question 4:** (16 pts)

Briefly explain each of the following Android activity states.

ACTIVE		
PAUSED		
STOPPED	·	
FINISH		

# **Question 5:** (10 pts)

Finish the following diagram for the Fabflix project 5 by adding links between the modules and the corresponding Read/Write operations.



### **Question 6:** (12 pts)

Briefly explain the meaning of "Sticky session" in the load balancer used in project 5.

#### **Question 7:** (12 pts)

Ajax stands for "Asynchronous JavaScript And XML." Briefly explain the meaning of each of the words:

- Asynchronous
- JavaScript
- XML

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CS122B Projects in Databases and Web Applications Department of Computer Science, UC Irvine, Prof. Chen Li Quiz 3

#### **Question 1:**

TTFFTFTT

#### **Question 2:**

cat: 1,3 caught: 3 david: 2,3 hat: 2 ran: 1 the: 1,2,3 wore: 2

### **Question 3:**

TFTF

#### **Ouestion 4:**

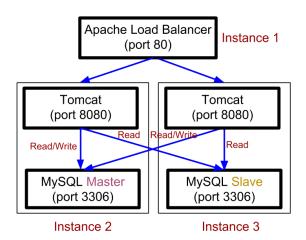
STOPPED: The activity is completely hid by another activity and it is no longer visible to the user.

ACTIVE: The activity is in the foreground of the screen.

PAUSED: The activity has lost focus but is still visible and alive.

FINISH: The system drops the activity from memory by killing its process.

### **Question 5:**



# **Question 6:**

It is a persist session over several requests of the same client

### **Ouestion 7:**

Asynchronous: callback functions when the event occur

Javascript: programming language XML: DOM-based structure object