Task 1

- How did you use connection pooling?

I used connection pooling in to distribute the load on the mySQL transaction. The read is distribute to my master and my slave mySQL instances. In my context.xml, i used a replication in order to distribute the load to the slave and master. Shown here:

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The last Section Was Go Deby Table Help

The Contractor IX

The Contra
```

- File name, line numbers as in Github

AddInfo - 63

AddMovie - 73

AddStar - 56

CreditCard - 51

Login - 76

MovieAutoComplete - 95

MovieListServlet - 84

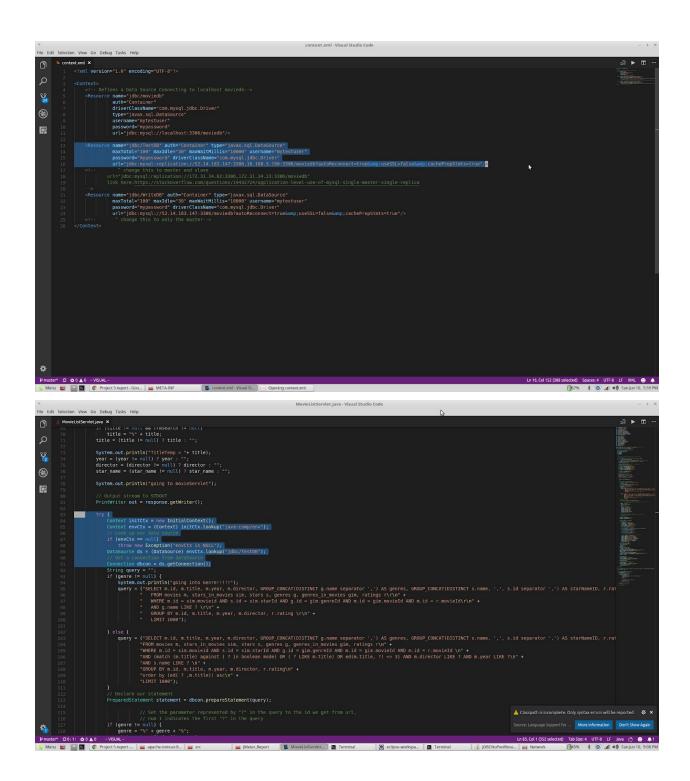
MovieListNoPS - 83

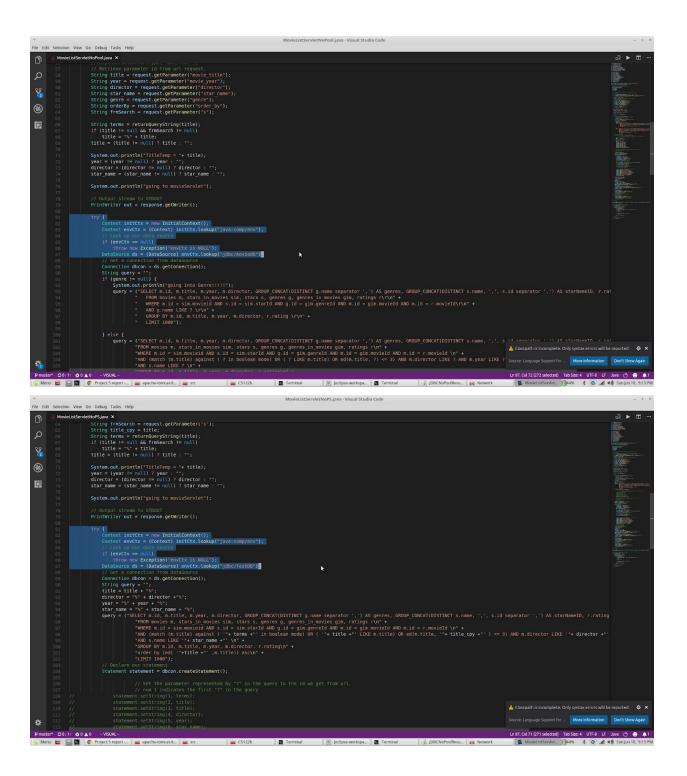
MovieListNoPool - 87

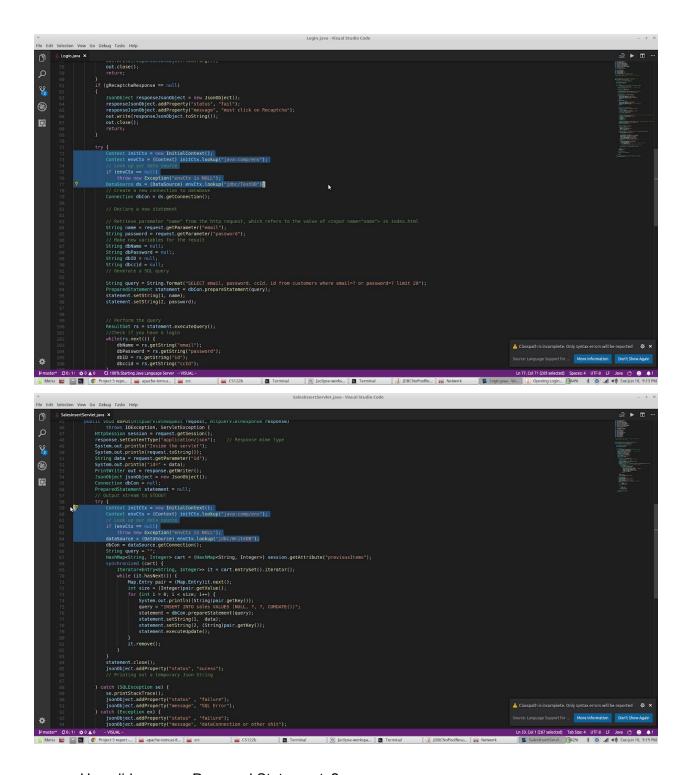
SalesInsert - 64

Stars - 51

- Snapshots showing use in your code







- How did you use Prepared Statements?

Prepared Statements are used by putting? in the MYSQL statement. Depending on how many? there are in the mySQL statement, you have to fill in the? by putting in putString in it or the associated correct value.

- File name, line numbers as in Github

cs122b-spring18-team-63/project1/tomcatServlet/src/

AddInfo - 66

AddMovie - 76

AddStar - 58

Credit Card - 71

Login - 93

MovieAutoComplete - 114

MovieListServlet - 103

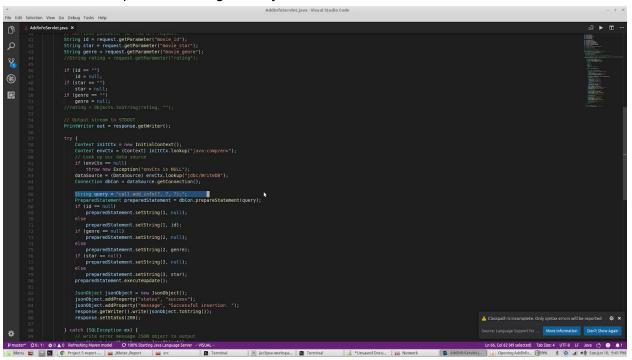
MovieListNoPS - 95

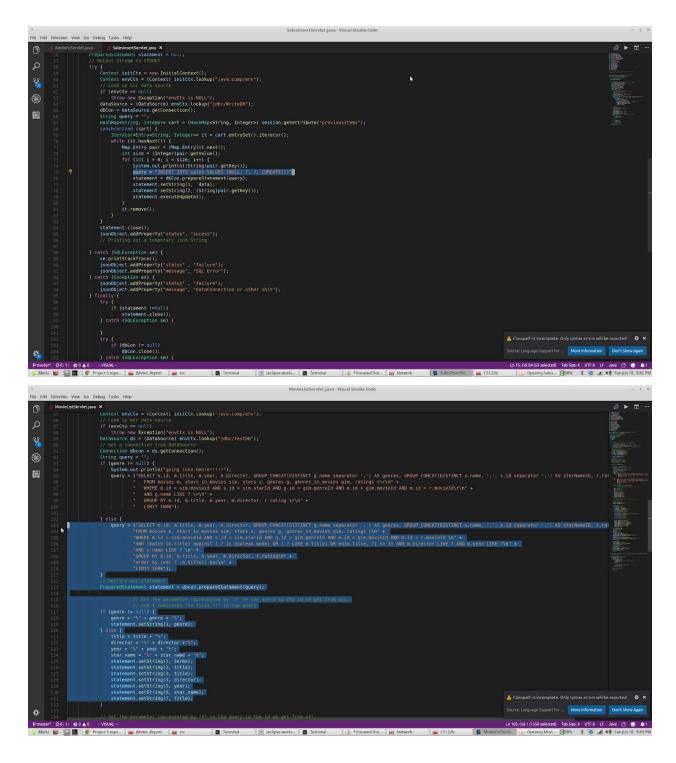
MovieListNoPool - 101

SalesInsert - 75

Stars - 58

- Snapshots showing use in your code





Task 2

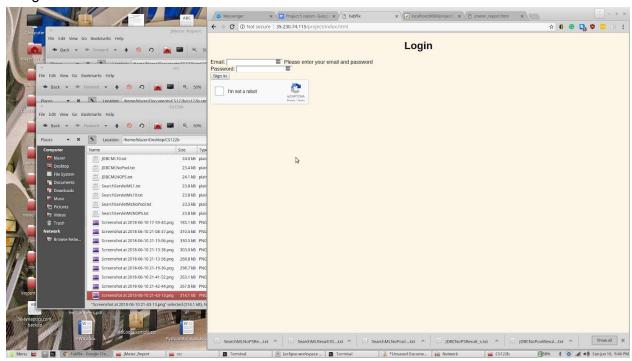
- Address of AWS and Google instances

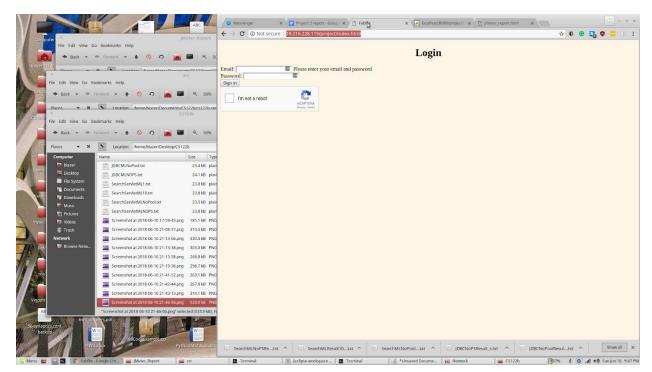
Google	Original(Load)	Master	Slave	
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 Have you verified that they are accessible? Does Fablix site get opened both on Google's 80 port and AWS' 8080 port?

The Fabflix instance is open on both Google 80, and AWS is working on 8080 for the slave and master.

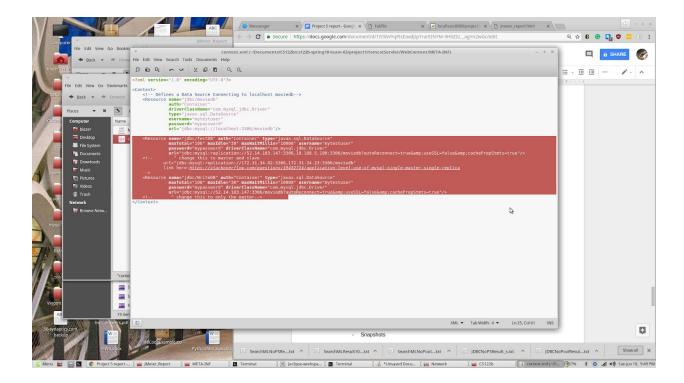
Google instance:





AWS Load Balancer

- Explain how connection pooling works with two backend SQL (in your code)? Each tomcat instance can talk to the master mysql instance and also the slave mysql instance. In your context.xml, you have to make sure the read settings are replicated for the read.
- File name, line numbers as in Github project1/tomcatServlet/WebContent/META-INF/context.xml 13 -24
 - Snapshots

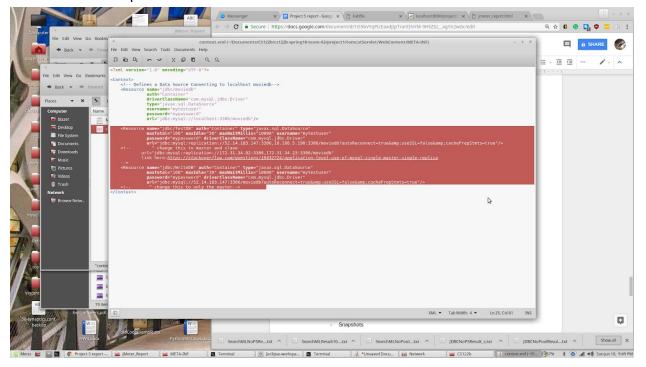


- How read/write requests were routed?

Read uses mysql replication while the write is only routed to the master.

- File name, line numbers as in Github project1/tomcatServlet/WebContent/META-INF/context.xml - 13 -24

- Snapshots



Task 3

- Have you uploaded the log files to Github? Where is it located?
 The logfile are in the root directory of the Github file. It is called 80 Logs and 8080 Logs
- Have you uploaded the HTML file (with all sections including analysis, written up) to Github? Where is it located?
 The Jmeter Report is in the folder JMeter_report.
- Have you uploaded the script to Github? Where is it located?
 The Jmeter Scripts are on the folder Jmeter Scripts
- Have you uploaded the WAR file and README to Github? Where is it located?
 The Readme are in the in root folder. The war file is in /home/blazer/Documents/CS122b/cs122b-spring18-team-63/project1/tomcatServlet/targ et