**Task 1**

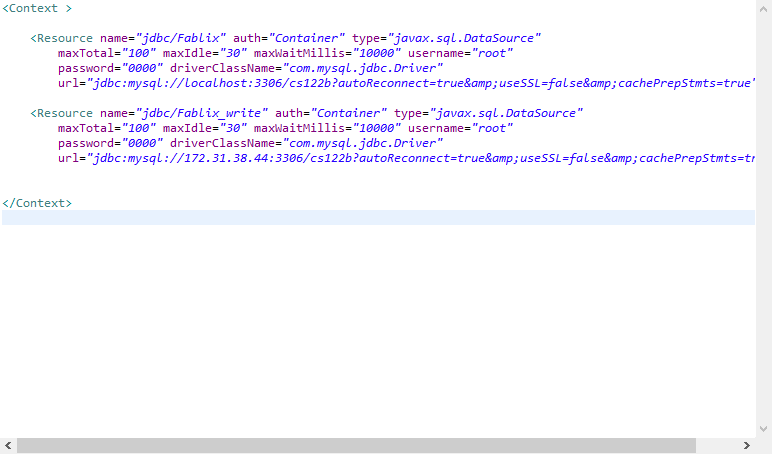
* How did you use connection pooling?

First I add Data resources in context.xml, one for read, one for write/read

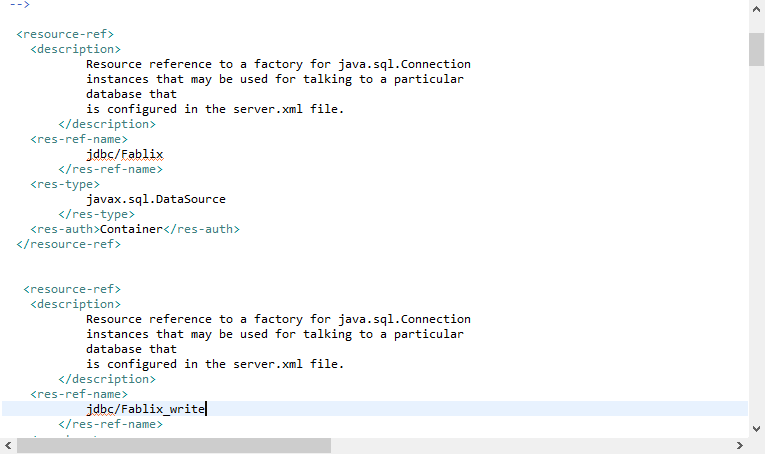
the write data resource only use master instance’s mysql. And then I write resource ref in web.xml. Finally change the dbcon objects using data source defined in web.xml.

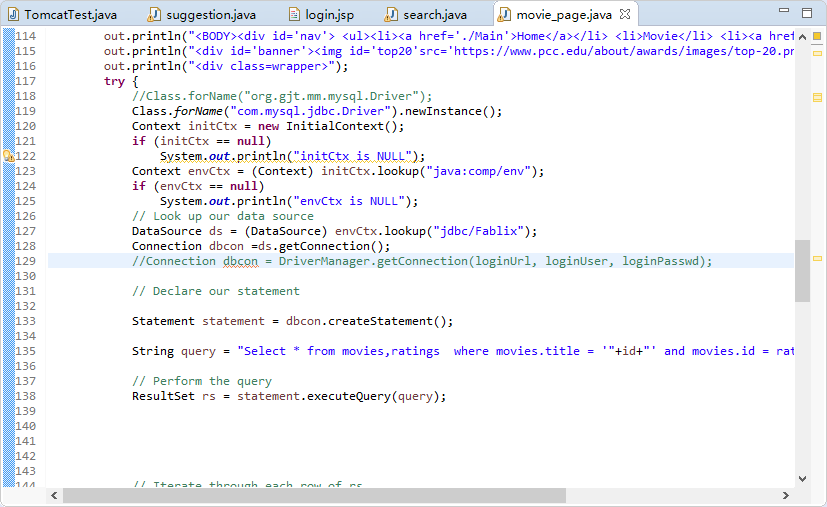
* Snapshots
* File name, line numbers as in Github

Webcontent/META-INF/context.xml



Webcontent/web.xml

* 





* How did you use Prepared Statements?

Just import sql.perpareStatement in search servlets classes, and change the statement to prepareStatement object.

* File name, line numbers as in Github

src/servlet/search.java

src/servlet/search AndroidSearch.java

src/servlet/search suggestion.java

* Snapshots
* search.java
* line number 231,249,280,293



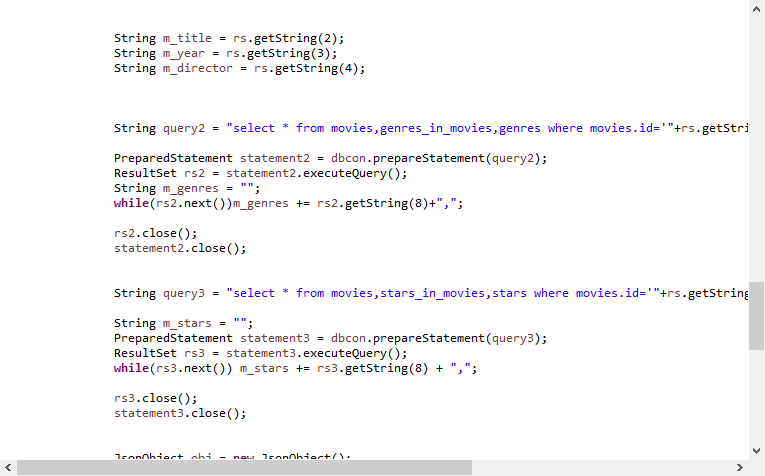
suggestion.java

line number 115, 165



AndroidSearch.java

Line number 124,150,162



**Task 2**

* Address of AWS and Google instances
* AWS(instance1 origin): 13.58.92.109
* Instance 2(master) : 18.188.135.195
* Instance 3(slave): 18.219.142.40

Google :35.230.4.71

* Have you verified that they are accessible? Does Fablix site get opened both on Google’s 80 port and AWS’ 8080 port?
* If access by port 80 login page will be redirect to /form, which should be Fablix/form, directly typing path will work.
* Yes they are accessible on both ports
* How connection pooling works with two backend SQL?

Create mysql master on instance1, and slave on instance2, create user on master for the slave to access master’s log file.

* + File name, line numbers as in Github
  + Snapshots
* How read/write requests were routed?

In the context.xml file I specified two resource, one is dealing read request, another one is dealing write request, write request will only be redirect to master instance because master instance’s IP has been specified.

* + File name, line numbers as in Github

Context.xml

Line number from 1 - 14

* Snapshots



**Task 3**

* Have you uploaded the log file to Github? Where is it located?

Yes in 122bPJ5 folder

* Have you uploaded the HTML file to Github? Where is it located?

Yes in 122bPJ5 folder

* Have you uploaded the script to Github? Where is it located?

Yes in 122bPJ5 folder

* Have you uploaded the WAR file and README to Github? Where is it located?

Yes in 122bPJ5 folder