**Code Review for class MyAction**

**Code Review By : Dennis Mutegi.**

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**Comments:**

* The name of the class should be changed to reflect the functionality exposed by the class eg UserDAO.
* The debug attribute should be a private to the class, additionally should be made final as its not expected o change. For thread safety this variable should be made volatile. As this property presents a cross-cutting concerns for the entire application it should be externalized to application.properties(yml) where AOP can read from. This will allow the debug mode to be enabled or disabled at run time mode.
* The if statements on line 13 to line 27 should be updated for correct checks eg. Below should be if(lastName != null || lastName.length() == 0) and query updated with lastName as opposed to firstName. The check for length is important to check blank input details.

 if (firstName != null) {

            query = query + " and last\_name = '" + firstName + "'";

        }

* The query string should make use of StringBuilder due to String literals being immutable.
* The query is prone to SQL injection. This should be avoided by using a prepared statement. With the change above for StringBuilder we can also build a set(LinkedHashSet to maintain insertion order) for the parametarized query. Eg Set<String> such that we can loop through the LinkedHashSet to set values for prepared statement.
* The method getCustomers should make use of try with resources to take advantage of AutoClosable interface for the connection and prepare statement or manually handle release of the resources.
* Line 30 should be changed to List<Customer> and return type of the method should be List<Customer> as well.
* The method printUpper can intentionally avoid the IndexOutBoundsException by using a for Each loop.
* The use of ident is not clear, maybe the logic should be moved to printUpper from print method.