Selenium Saiku Test Review

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Overall a great start to UI testing.

IE tests seem to fail on my XP netbook.

General Comments

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- Useful to add in some comments/documentation at the start of each class and function. e.g.

/\*\*

\* This class provides a number of tests for testing the view query functionality

\* of Saiku

\* @author Adam Poolman

\*/

public class ViewQuery extends testFunctionsBase {

Done

And similarly:

/\*\*

\* Tests the non-empty button

\* @throws Exception

\*/

@Test

public void nonEmpty() throws Exception {

Done

- In some places, mainly caught exceptions, Logger.getLogger is called. This can be replaced

with System.err.println. There may well be other failures where System.out is used and would

be better replaced by System.err.println. Done

- Move closeBrowser functionality to testFunctionsBase and then just call super.closeBrowser

in the current closeBrowser functions. This will save repeating code and make the code easier

to maintain. Done

main.Constants

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- I think this should be renamed to Config as I'd like to see some more variables in here. See

my further comments for more. Done

main.testFunctionsBase

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- Rename class to TestFunctionsBase as class names should start with a capital letter. Done

- setup() I'd remove the numerous System.out calls and just have the first one that prints both

browser & platform. Done

- Move the resolution definition to the Constants class as people may wish to modify this. Done

- Rename loginSuccess() to login() and add documentation to say this will log in successfully. Done

- crtQuery\_DragAndDrop() - Line 135: extra 'p' in dropp Done

- crtQuery\_DragAndDrop() - seletionX should be selectionX Done

login.LoginTest

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- loginSeccuss() should be renamed to loginSuccess() now, following change to testFunctionsBase Done

- loginCookie() - maybe specify the navigate away URL in Constants due to lack of potential access

to Google/the internet. (This is likely just a release note/caveat for when we had the tests to the

Saiku guys. Done

- loginCookieDelete() - browser.contains("Linux"), though should be platform.contains("Linux"). Done – work on Firefox Linux only

Does this really not run on Windows? Not a problem if it doesn't. **can’t make on Windows yet**

query.CreateQuery

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- createQuery() - could call super.crtQuery\_DragAndDrop to save repeating the same code. Done

- createQuery() - seletionX should be selectionX Done

- nonAutoRunQuery() - Query creation could be done via super.crtQuery() instead, again for ease

of maintenance. Can’t call super.crtQuery() as there is an extra code to stop “autorun”.

query.ModifyQuery

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- filterQuery() - seletionX should be selectionX Done

- sortQuery() - Sort will sort on values if the query uses a measure instead of just dimensions. As

such this could be split into two tests. sortDimension and sortMeasure. Done

- modifyQueryMDX() - Move the MDX string used on line 130 to Constants class as it can then be easily changed – Not good idea as the further steps are to check the output of the query. If the query changed, the other steps need to change as well.

and reused elsewhere.

- drillThroughQuery() - Line 165 - 'apprear' should be 'appear' Done

query.Priority & query.PriorityInterceptor

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- Move these classes to the main package as they maybe useful in other packages when we add more in

the future. Done

- In the class documentation comment, please add a reference from where you took these classes from.

I'm guessing it was: http://beust.com/weblog/2008/03/29/test-method-priorities-in-testng/ Done

query.ViewQuery

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- hideParents() - Line 153 - 'hiden' should be 'hidden' Done

- As ModifyQuery, the MDX string on line 219/220 to the Constants class. Not good idea as the further steps are to check the output of the query. If the query changed, the other steps need to change as well.

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Test Modifications

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Most tests seem to run fine (bar a few timeouts & Drag and Drop issues)

One test they seemed to fail regularly for me was the drillthrough query, it

seems to continue on before the dialog is shown.

I would alter the wait until on line 158 to By.id('fancy\_results') Done

Modified By.*id*("fancybox-close")

testng.xml

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Change the parallel attribute from 'none' to 'false'. Done

I think it does the same. I did try it set to 'tests' and it ran ok across 3 browsers on my machine.

I think the methods tags should be within a class tag. E.g.:

<class name="query.ModifyQuery"/>

<methods>

<exclude name="filterQuery" />

</methods>

Should be:

<class name="query.ModifyQuery">

<methods>

<exclude name="filterQuery" />

</methods>

</class> If the changes made in the file, the test can’t be run. And error will be reported.