**Find Bugs Report**

This report indicates the bugs that were found, the class they were found in and the line number they were found on. They also indicate the status (whether they were removed or not). If they weren’t removed, the reason why they weren’t removed has been stated (in most cases the suggestions by Find Bugs did not match the code requirement).

Note: The line numbers may have changed as a lot of modification to the code was as errors were found and other Junit tests were performed. Therefore a final Find Bugs report has been given under the ‘second iteration’ heading below.

1. Bug type: URF\_UNREAD\_FIELD

Class: kwic  
Line: 114

Solved. Line wasn’t required. Commented out.

2) Bug type: NM\_CLASS\_NAMING\_CONVENTION  
 Class: VariableValues  
Line: 12-42

Solved. Class name started with a capital ‘V’ instead of a lowercase ‘v’.

3) Bug type : SBSC\_USE\_STRINGBUFFER\_CONCATENATION  
Class: kwic  
Line: 323

Solved. Error thrown was incorrect. String needs to be concatenated only.

4) Bug type: OS\_OPEN\_STREAM  
Class: kwic  
Line: 320

Solved. Buffered reader closed.

5) Bug type: NM\_CLASS\_NAMING\_CONVENTION  
Class: KWIC

Cannot be solved. KWIC is an acronym and not a noun. The error will always show up as long as class name is ‘KWIC’.

6) Bug type: DM\_DEFAULT\_ENCODING

Class: Kwic  
Line: 320

Unsolved. Don’t know any other way to give filename to buffered reader than to pass it as a string parameter. No other examples given anywhere.

7) Bug type: DM\_DEFAULT\_ENCODING  
Class: KWIC  
Line: 42

Unsolved. Don’t know any other way to give filename to scanner than to pass it as a string parameter. No other examples given anywhere.

8) Bug type: NM\_CLASS\_NAMING\_CONVENTION  
Class: ConstantValues

Solved.

9) Bug type: DM\_DEFAULT\_ENCODING

Class: KwicSearch  
 Line: 159

Unsolved. Don’t know any other way to give filename to scanner than to pass it as a string parameter. No other examples given anywhere.

**Second Iteration**

1. Bug Type: Null Check of args

Class: Kwic

Line: 339

Not removed. Test required.