

## Bugs - Bug #4043

### Eclipse static code analysis potential issues

04/18/2019 10:10 AM - Greg Shah

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Igor Skornyakov	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>case_num:</b>	
<b>billable:</b>	No		
<b>vendor_id:</b>	GCD		
<b>Description</b>			

### History

#### #1 - 04/18/2019 10:11 AM - Greg Shah

From Igor:

Eclipse warns about some potential issues:

```
finally block does not complete normally    FontTable.java /p2j/src/com/goldencode/p2j/ui    line 909

Null pointer access: The variable nr can only be null at this location    WebMouseDirectManipulation.java
/p2j/src/com/goldencode/p2j/ui/client/gui/driver/web    line 264
Resource leak: 'br' is not closed at this location Code2Name.java    /p2j/locale    line 384
Resource leak: 'br' is not closed at this location Name2Code.java    /p2j/locale    line 397
Resource leak: 'ge' is never closed CallGraphWorker.java    /p2j/src/com/goldencode/p2j/uast
Resource leak: 'ge' is never closed CallGraphWorker.java    /p2j/src/com/goldencode/p2j/uast
Resource leak: 'gen' is not closed at this location ReportProtocol.java    /p2j/src/com/goldencode/p2j/report/server
Resource leak: 'lowSocket' is not closed at this location    SessionManager.java    /p2j/src/com/goldencode/p2j/net
Resource leak: 'paths' is never closed FileDialogGuiImpl.java /p2j/src/com/goldencode/p2j/ui/client/gui/filechooser
Resource leak: 'paths' is never closed FileDialogGuiImpl.java /p2j/src/com/goldencode/p2j/ui/client/gui/filechooser
Resource leak: 'paths' is never closed NormalizePath.java    /p2j/src/com/goldencode/util    line 152
Resource leak: 'paths' is never closed NormalizePath.java    /p2j/src/com/goldencode/util    line 176
Resource leak: 'raf' is never closed    FileStream.java /p2j/src/com/goldencode/p2j/util    line 184
Resource leak: 'rs' is never closed AppServerHelper.java    /p2j/src/com/goldencode/p2j/util    line 1745
Resource leak: 'rs' is not closed at this location ReportWorker.java    /p2j/src/com/goldencode/p2j/report
line 1369
The type parameter T is hiding the type T BaseEntity.java    /p2j/src/com/goldencode/p2j/ui    line 984
The type parameter T is hiding the type T CallGraphHelper.java    /p2j/src/com/goldencode/p2j/uast    line
623
Unlikely argument type int for contains(Object) on a Collection<Short>    ClassicTheme.java /p2j/src/com/goldencode/p2j/ui/client/gui/theme    line 6610
Unlikely argument type int for contains(Object) on a Collection<Short>    ClassicTheme.java /p2j/src/com/goldencode/p2j/ui/client/gui/theme    line 6610
Unlikely argument type ParameterKey[] for containsKey(Object) on a Map<SignatureKey,ClassDefinition.MemberData> ClassDefinition.java    /p2j/src/com/goldencode/p2j/uast    line 347
Unlikely argument type ParameterKey[] for get(Object) on a Map<SignatureKey,ClassDefinition.MemberData> ClassDefinition.java    /p2j/src/com/goldencode/p2j/uast    line 350
Unlikely argument type TitledWindow<capture#158-of ?> for remove(Object) on a Map<GuiWindow,Set<TopLevelWindow>> WindowManager.java    /p2j/src/com/goldencode/p2j/ui/client    line 1161
```

I understand that at least first one and last 5 look like real problems.

## #2 - 04/18/2019 10:13 AM - Greg Shah

Igor: Open a branch 4043a for fixes related to these issues. You will need to review each case and prepare changes that you deem appropriate. If there are any questions, post them here and the watchers will respond.

## #3 - 04/18/2019 10:15 AM - Constantin Asofiei

```
Unlikely argument type ParameterKey[] for containsKey(Object) on a Map<SignatureKey,ClassDefinition.MemberData>
> ClassDefinition.java /p2j/src/com/goldencode/p2j/uast line 347
Unlikely argument type ParameterKey[] for get(Object) on a Map<SignatureKey,ClassDefinition.MemberData> ClassD
efinition.java /p2j/src/com/goldencode/p2j/uast line 350
```

These ones are solved in my pending changes (future 3751a).

## #4 - 04/19/2019 04:22 AM - Igor Skornyakov

created task branch 4043a from rev. 11303

## #5 - 04/19/2019 04:33 AM - Igor Skornyakov

In the FontTable.getCustomFontData there is a **return** statement in the **finally** block. This means that we silently ignore all thrown exceptions (except IOException which is caught explicitly).

Was it done intentionally?

Thank you.

## #6 - 04/19/2019 06:06 AM - Igor Skornyakov

Fixed all issues except ones mentioned by Constantin in note [#3](#).

Committed to branch 4043a rev.11304

Ready for the code review