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SCUOLA DI INGEGNERIA INDUSTRIALE E
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M.Sc. IN COMPUTER SCIENCE AND ENGINEERING

GlassFish Server

Code Inspection

Authors:

Angelo GALLARELLO
Edoardo LONGO
Giacomo LOCCI

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List of Figures

Abstract

This document is the Code Inspection.

@nno @nlv @ndl
@
@bht
@des
@destrue

1 Functional Role of Classes

2 List of Issues

2.1 preInvokeNoTx

Method

- **Name:** preInvokeNoTx(EjbInvocation inv)
- **Start Line:** 1599
- **Location:** appserver/persistence/entitybean-container/src/main/java/org/glassfish/persistence/ejb/entitybean/container/EntityContainer.java

Naming Convention

1. *Name meaningfulness:* No issues found.
2. *One char for loops:* **In *line 1609* a single char name is used for a not throwaway var.**
3. *Classes are nouns in camelCase:* No issues found.
4. *Interfaces are nouns in camelCase:* No issues found.
5. *Methods are verbs in camelCase:* No issues found.
6. *Class variables in camelCase (may be preceded by “_”):* No issues found.
7. *Constants all UPPERCASE (with words separated by “_”):* No issues found.

Indention

8. *Three or four spaces:* No issues found.
9. *No tabs:* No issues found.

Braces

10. *Consistent bracing style:* No issues found.
11. *Single statements sorrounded by curly braces:* No issues found.

File Organizaion

- 12. *Blank lines and optional comments to separate sections:* No issues found.
- 13. *Line length $j= 80$ characters (when practical):* No issues found.
- 14. *If it must exceed 80 characters, then they are $j= 120$:* No issues found.

Wrapping Lines

- 15. *Line breaks after comma or operator:* No issues found.
- 16. *Higher-level breaks are used:* No issues found.
- 17. *New statements aligned with same level expressions:* No issues found.

Comments

- 18. *Comments adequately explain the purpose of the code:* No issues found.
- 19. *Commented code has reason to exist and contains date:* No issues found.

Java Source Files

- 20. *Each java source file contains only one public class or interface:* No issues found.
- 21. *The public class is the first class or interface in the file:* No issues found.
- 22. *External program interfaces are implemented consistently w.r.t. the javadoc:* No issues found.
- 23. *Javadoc is complete:* **Method has not a Javadoc comment.**

Package and Import Statements

- 24. *If any package statements are needed, they should be the first non-comment statements:* No issues found.

Class and Interface Declarations

- 25. *Class or interface follows the declaration template:*
 - (a) Class/interface documentation comment
 - (b) Class/interface statement
 - (c) Class/interface implementation comment, if necessary

- (d) Class (static) variables
 - i. first *public* class variables
 - ii. next *protected* class variables
 - iii. next package level (no access modifier)
 - iv. last *private* class variables
- (e) Instance variables
 - i. first *public* class variables
 - ii. next *protected* class variables
 - iii. next package level (no access modifier)
 - iv. last *private* class variables
- (f) Constructors
- (g) Methods

: No issues found.

26. *Methods grouped by functionality*: No issues found.

27. *Code is free of duplicates, long methods, big classes, breaking encapsulation, also, coupling and cohesion are adequate*: No issues found.

Initialization and Declarations

28. *Correct type of variables and class members (right visibility)*: No issues found.

29. *Variables are declared in the proper scope*: No issues found.

30. *Constructors are called when a new object is desired*: No issues found.

31. *All object references are initialized before use*: No issues found.

32. *Variables are initialized where they are declared, unless dependent upon a computation*: No issues found.

33. *Declarations appear at the beginning of blocks*: No issues found.

Method Calls

34. *Parameters are presented in the correct order*: No issues found.

35. *Correct method is being called*: No issues found.

36. *Method returned variables are used properly*: No issues found.

Arrays

- 37. *Required array elements are accessed through the index:* No issues found.
- 38. *Indexes have been prevented from going out-of-bounds:* No issues found.
- 39. *Constructors are called when a new array item is desired:* No issues found.

Object Comparison

- 40. *All objects are compared with “equals”:* No issues found.

Output Format

- 41. *Displayed output is free of spelling and grammatical errors:* No issues found.
- 42. *Error messages are comprehensive and provide guidance as to how to correct the problem:* No issues found.
- 43. *Output is formatted correctly in terms of line stepping and spacing:* No issues found.

Computation, Comparisons and Assignments

- 44. *Implementation avoids “brutish programming”¹:* No issues found.
- 45. *Order of computation/evaluation, operator precedence and parenthesizing:* No issues found.
- 46. *Liberal use of parenthesis is used to avoid operator precedence problems.:* No issues found.
- 47. *All denominators of a division are prevented from being zero:* No issues found.
- 48. *Integer arithmetic, especially division, are used appropriately to avoid causing unexpected truncation/rounding:* No issues found.
- 49. *Comparison and Boolean operators are correct:* No issues found.
- 50. *Throw-catch expressions, and their error condition is actually legitimate:* No issues found.
- 51. *Code is free of any implicit type conversions:* No issues found.

¹See <http://users.csc.calpoly.edu/~jdalbey/SWE/CodeSmells/bonehead.html>.

Exceptions

- 52. *Relevant exceptions are caught:* No issues found.
- 53. *Appropriate action are taken for each catch block:* No issues found.

Flow of control

- 54. *In a switch statement, all cases are addressed by break or return:* No issues found.
- 55. *All switch statements have a default branch:* No issues found.
- 56. *All loops are correctly formed, with the appropriate initialization, increment and termination expressions:* No issues found.

Files

- 57. *All files are properly declared and opened:* No issues found.
- 58. *All files are closed properly, even in the case of an error:* No issues found.
- 59. *EOF conditions are detected and handled correctly:* No issues found.
- 60. *All file exceptions are caught and dealt with accordingly:* No issues found.

2.2 isHomeFinder

Method

- **Name:** isHomeFinder(Method method)
- **Start Line:** 1652
- **Location:** appserver/persistence/entitybean-container/src/main/java/org/glassfish/persistence/ejb/entitybean/container/EntityContainer.java

Naming Convention

- 1. *Name meaningfulness:* No issues found.
- 2. *One char for loops:* No issues found.
- 3. *Classes are nouns in camelCase:* No issues found.
- 4. *Interfaces are nouns in camelCase:* No issues found.

5. *Methods are verbs in camelCase*: No issues found.
6. *Class variables in camelCase (may be preceded by “_”)*: No issues found.
7. *Constants all UPPERCASE (with words separated by “_”)*: No issues found.

Indentation

8. *Three or four spaces*: No issues found.
9. *No tabs*: No issues found.

Braces

10. *Consistent bracing style*: No issues found.
11. *Single statements surrounded by curly braces*: No issues found.

File Organizaion

12. *Blank lines and optional comments to separate sections*: No issues found.
13. *Line length $j= 80$ characters (when practical)*: No issues found.
14. *If it must exceed 80 characters, then they are $j= 120$* : No issues found.

Wrapping Lines

15. *Line breaks after comma or operator*: No issues found.
16. *Higher-level breaks are used*: No issues found.
17. *New statements aligned with same level expressions*: No issues found.

Comments

18. *Comments adequately explain the purpose of the code*: No issues found.
19. *Commented code has reason to exist and contains date*: No issues found.

Java Source Files

- 20. *Each java source file contains only one public class or interface:* No issues found.
- 21. *The public class is the first class or interface in the file:* No issues found.
- 22. *External program interfaces are implemented consistently w.r.t. the javadoc:* No issues found.
- 23. *Javadoc is complete:* **Method has not a Javadoc comment.**

Package and Import Statements

- 24. *If any package statements are needed, they should be the first non-comment statements:* No issues found.

Class and Interface Declarations

- 25. *Class or interface follows the declaration template:*
 - (a) Class/interface documentation comment
 - (b) Class/interface statement
 - (c) Class/interface implementation comment, if necessary
 - (d) Class (static) variables
 - i. first *public* class variables
 - ii. next *protected* class variables
 - iii. next package level (no access modifier)
 - iv. last *private* class variables
 - (e) Instance variables
 - i. first *public* class variables
 - ii. next *protected* class variables
 - iii. next package level (no access modifier)
 - iv. last *private* class variables
 - (f) Constructors
 - (g) Methods

: No issues found.
- 26. *Methods grouped by functionality:* No issues found.
- 27. *Code is free of duplicates, long methods, big classes, breaking encapsulation, also, coupling and cohesion are adequate:* No issues found.

Initialization and Declarations

- 28. *Correct type of variables and class members (right visibility):* No issues found.
- 29. *Variables are declared in the proper scope:* No issues found.
- 30. *Constructors are called when a new object is desired:* No issues found.
- 31. *All object references are initialized before use:* No issues found.
- 32. *Variables are initialized where they are declared, unless dependent upon a computation:* No issues found.
- 33. *Declarations appear at the beginnig of blocks:* No issues found.

Method Calls

- 34. *Parameters are presented in the correct order:* No issues found.
- 35. *Correct method is being called:* No issues found.
- 36. *Method returned variables are used properly:* No issues found.

Arrays

- 37. *Required array elements are accessed through the index:* No issues found.
- 38. *Indexes have been prevented from going out-of-bounds:* No issues found.
- 39. *Constructors are called when a new array item is desired:* No issues found.

Object Comparison

- 40. *All objects are compared with “equals”:* **In line 1657 it’s not used equals to compare two objects.**

Output Format

- 41. *Displayed output is free of spelling and grammatical errors:* No issues found.
- 42. *Error messages are comprehensive and provide guidance as to how to correct the problem:* No issues found.
- 43. *Output is formatted correctly in terms of line stepping and spacing:* No issues found.

Computation, Comparisons and Assignments

- 44. *Implementation avoids “brutish programming”*²: No issues found.
- 45. *Order of computation/evaluation, operator precedence and parenthesizing*: No issues found.
- 46. *Liberal use of parenthesis is used to avoid operator precedence problems.*: No issues found.
- 47. *All denominators of a division are prevented from being zero*: No issues found.
- 48. *Integer arithmetic, especially division, are used appropriately to avoid causing unexpected truncation/rounding*: No issues found.
- 49. *Comparison and Boolean operators are correct*: No issues found.
- 50. *Throw-catch expressions, and their error condition is actually legitimate*: No issues found.
- 51. *Code is free of any implicit type conversions*: No issues found.

Exceptions

- 52. *Relevant exceptions are caught*: No issues found.
- 53. *Appropriate action are taken for each catch block*: No issues found.

Flow of control

- 54. *In a switch statement, all cases are addressed by break or return*: No issues found.
- 55. *All switch statements have a default branch*: No issues found.
- 56. *All loops are correctly formed, with the appropriate initialization, increment and termination expressions*: No issues found.

Files

- 57. *All files are properly declared and opened*: No issues found.
- 58. *All files are closed properly, even in the case of an error*: No issues found.
- 59. *EOF conditions are detected and handled correctly*: No issues found.

²See <http://users.csc.calpoly.edu/~jdalbey/SWE/CodeSmells/bonehead.html>.

60. *All file exceptions are caught and dealt with accordingly.* No issues found.

3 Other Problems

This section contains formatting problems found in all the class.

3.1 Indentation

- – line:“773”
 - error:“*if* child have incorrect indentation level 16, expected level should be 20.”
- – line:“773”
 - error:“—— have incorrect indentation level 16, expected level should be 20.”
- – line:“853”
 - error:“*EjbInvocation* have incorrect indentation level 5, expected level should be 8.”
- – line:“881”
 - error:“*!* have incorrect indentation level 8, expected level should be 12.”
- – line:“881”
 - error:“*if* child have incorrect indentation level 8, expected level should be 12.”
- – line:“1035”
 - error:“*method def lparen* have incorrect indentation level 8, expected level should be 4.”
- – line:“1050”
 - error:“(have incorrect indentation level 2, expected level should be 9.”
- – line:“1053”
 - error:“*activeTxCache* have incorrect indentation level 3, expected level should be 6.”
- – line:“1688”
 - error:“*method call* child have incorrect indentation level 11, expected level should be 12.”

- – line:“1688”
 - error:“*try* child have incorrect indentation level 11, expected level should be 12.”
- – line:“1713”
 - error:“*method def modifier* have incorrect indentation level 24, expected level should be one of the following: 28, 32.”
- – line:“1714”
 - error:“*method call* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“1714”
 - error:“*method def* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“1715”
 - error:“*method def* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“1716”
 - error:“*method def rcurly* have incorrect indentation level 24, expected level should be one of the following: 28, 32.”
- – line:“1717”
 - error:“*object def rcurly* have incorrect indentation level 20, expected level should be one of the following: 24, 28.”
- – line:“1727”
 - error:“*if* child have incorrect indentation level 26, expected level should be 32.”
- – line:“1750”
 - error:“*method def modifier* have incorrect indentation level 24, expected level should be one of the following: 28, 32.”
- – line:“1751”
 - error:“*method call* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“1751”

- error:“*method def* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“1752”
 - error:“*method def* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“1753”
 - error:“*method def rcurlly* have incorrect indentation level 24, expected level should be one of the following: 28, 32.”
- – line:“1754”
 - error:“*object def rcurlly* have incorrect indentation level 20, expected level should be one of the following: 24, 28.”
- – line:“1837”
 - error:“*method def lparen* have incorrect indentation level 8, expected level should be 4.”
- – line:“1843”
 - error:“*method def lparen* have incorrect indentation level 8, expected level should be 4.”
- – line:“1850”
 - error:“*method def lparen* have incorrect indentation level 8, expected level should be 4.”
- – line:“2144”
 - error:“*ejbContainerUtilImpl* have incorrect indentation level 2, expected level should be 9.”
- – line:“2147”
 - error:“*if* child have incorrect indentation level 8, expected level should be 12.”
- – line:“2461”
 - error:“*method call lparen* have incorrect indentation level 28, expected level should be 24.”
- – line:“2909”

- error:“*method def modifier* have incorrect indentation level 24, expected level should be one of the following: 28, 32.”
- – line:“2910”
 - error:“*method call* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“2910”
 - error:“*method def* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“2911”
 - error:“*method def* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“2912”
 - error:“*method def rcurly* have incorrect indentation level 24, expected level should be one of the following: 28, 32.”
- – line:“2913”
 - error:“*object def rcurly* have incorrect indentation level 20, expected level should be one of the following: 24, 28.”
- – line:“2946”
 - error:“*method def modifier* have incorrect indentation level 24, expected level should be one of the following: 28, 32.”
- – line:“2947”
 - error:“*method call* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“2947”
 - error:“*method def* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“2948”
 - error:“*method def* child have incorrect indentation level 28, expected level should be one of the following: 32, 36.”
- – line:“2949”

- error:“*method def rcurly* have incorrect indentation level 24, expected level should be one of the following: 28, 32.”
- – line:“2950”
 - error:“*object def rcurly* have incorrect indentation level 20, expected level should be one of the following: 24, 28.”
- – line:“2976”
 - error:“*implements* have incorrect indentation level 1, expected level should be 8.”
- – line:“3020”
 - error:“*method def modifier* have incorrect indentation level 4, expected level should be 8.”

3.2 Line length

- – line:“267”
 - error:“Line is longer than 80 characters (found 89).”
- – line:“272”
 - error:“Line is longer than 80 characters (found 118).”
- – line:“312”
 - error:“Line is longer than 80 characters (found 91).”
- – line:“321”
 - error:“Line is longer than 80 characters (found 91).”
- – line:“325”
 - error:“Line is longer than 80 characters (found 88).”
- – line:“346”
 - error:“Line is longer than 80 characters (found 89).”
- – line:“437”
 - error:“Line is longer than 80 characters (found 89).”
- – line:“438”

- error:“Line is longer than 80 characters (found 82).”
- - line:“440”
 - error:“Line is longer than 80 characters (found 87).”
- - line:“466”
 - error:“Line is longer than 80 characters (found 86).”
- - line:“486”
 - error:“Line is longer than 80 characters (found 83).”
- - line:“499”
 - error:“Line is longer than 80 characters (found 94).”
- - line:“786”
 - error:“Line is longer than 80 characters (found 85).”
- - line:“824”
 - error:“Line is longer than 80 characters (found 88).”
- - line:“827”
 - error:“Line is longer than 80 characters (found 99).”
- - line:“834”
 - error:“Line is longer than 80 characters (found 94).”
- - line:“837”
 - error:“Line is longer than 80 characters (found 101).”
- - line:“1004”
 - error:“Line is longer than 80 characters (found 99).”
- - line:“1005”
 - error:“Line is longer than 80 characters (found 87).”
- - line:“1006”
 - error:“Line is longer than 80 characters (found 96).”
- - line:“1007”
 - error:“Line is longer than 80 characters (found 96).”

- – line:“1008”
 - error:“Line is longer than 80 characters (found 97).”
- – line:“1009”
 - error:“Line is longer than 80 characters (found 96).”
- – line:“1013”
 - error:“Line is longer than 80 characters (found 97).”
- – line:“1015”
 - error:“Line is longer than 80 characters (found 99).”
- – line:“1016”
 - error:“Line is longer than 80 characters (found 87).”
- – line:“1017”
 - error:“Line is longer than 80 characters (found 88).”
- – line:“1018”
 - error:“Line is longer than 80 characters (found 96).”
- – line:“1019”
 - error:“Line is longer than 80 characters (found 97).”
- – line:“1020”
 - error:“Line is longer than 80 characters (found 82).”
- – line:“1022”
 - error:“Line is longer than 80 characters (found 105).”
- – line:“1024”
 - error:“Line is longer than 80 characters (found 99).”
- – line:“1025”
 - error:“Line is longer than 80 characters (found 87).”
- – line:“1026”
 - error:“Line is longer than 80 characters (found 92).”
- – line:“1030”

- error:“Line is longer than 80 characters (found 96).”
- - line:“1031”
 - error:“Line is longer than 80 characters (found 90).”
- - line:“1036”
 - error:“Line is longer than 80 characters (found 108).”
- - line:“1045”
 - error:“Line is longer than 80 characters (found 82).”
- - line:“1050”
 - error:“Line is longer than 80 characters (found 81).”
- - line:“1118”
 - error:“Line is longer than 80 characters (found 91).”
- - line:“1154”
 - error:“Line is longer than 80 characters (found 83).”
- - line:“1184”
 - error:“Line is longer than 80 characters (found 96).”
- - line:“1191”
 - error:“Line is longer than 80 characters (found 95).”
- - line:“1206”
 - error:“Line is longer than 80 characters (found 89).”
- - line:“1254”
 - error:“Line is longer than 80 characters (found 82).”
- - line:“1481”
 - error:“Line is longer than 80 characters (found 81).”
- - line:“1640”
 - error:“Line is longer than 80 characters (found 90).”
- - line:“1691”
 - error:“Line is longer than 80 characters (found 89).”

- – line:“1751”
 – error:“Line is longer than 80 characters (found 85).”
- – line:“1774”
 – error:“Line is longer than 80 characters (found 84).”
- – line:“1868”
 – error:“Line is longer than 80 characters (found 91).”
- – line:“1975”
 – error:“Line is longer than 80 characters (found 97).”
- – line:“2011”
 – error:“Line is longer than 80 characters (found 92).”
- – line:“2070”
 – error:“Line is longer than 80 characters (found 81).”
- – line:“2161”
 – error:“Line is longer than 80 characters (found 81).”
- – line:“2171”
 – error:“Line is longer than 80 characters (found 101).”
- – line:“2189”
 – error:“Line is longer than 80 characters (found 81).”
- – line:“2199”
 – error:“Line is longer than 80 characters (found 101).”
- – line:“2294”
 – error:“Line is longer than 80 characters (found 88).”
- – line:“2295”
 – error:“Line is longer than 80 characters (found 92).”
- – line:“2297”
 – error:“Line is longer than 80 characters (found 94).”
- – line:“2301”

- error:“Line is longer than 80 characters (found 85).”
- - line:“2305”
 - error:“Line is longer than 80 characters (found 83).”
- - line:“2309”
 - error:“Line is longer than 80 characters (found 95).”
- - line:“2326”
 - error:“Line is longer than 80 characters (found 90).”
- - line:“2335”
 - error:“Line is longer than 80 characters (found 82).”
- - line:“2338”
 - error:“Line is longer than 80 characters (found 95).”
- - line:“2341”
 - error:“Line is longer than 80 characters (found 89).”
- - line:“2344”
 - error:“Line is longer than 80 characters (found 85).”
- - line:“2371”
 - error:“Line is longer than 80 characters (found 88).”
- - line:“2518”
 - error:“Line is longer than 80 characters (found 83).”
- - line:“2587”
 - error:“Line is longer than 80 characters (found 85).”
- - line:“2668”
 - error:“Line is longer than 80 characters (found 81).”
- - line:“2689”
 - error:“Line is longer than 80 characters (found 81).”
- - line:“2759”
 - error:“Line is longer than 80 characters (found 86).”

- – line:“2779”
 - error:“Line is longer than 80 characters (found 106).”
- – line:“2787”
 - error:“Line is longer than 80 characters (found 89).”
- – line:“2788”
 - error:“Line is longer than 80 characters (found 88).”
- – line:“2799”
 - error:“Line is longer than 80 characters (found 85).”
- – line:“2805”
 - error:“Line is longer than 80 characters (found 84).”
- – line:“2814”
 - error:“Line is longer than 80 characters (found 84).”
- – line:“2817”
 - error:“Line is longer than 80 characters (found 81).”
- – line:“2889”
 - error:“Line is longer than 80 characters (found 93).”
- – line:“2947”
 - error:“Line is longer than 80 characters (found 85).”
- – line:“3025”
 - error:“Line is longer than 80 characters (found 84).”

3.3 Bracket position

- – line:“190”
 - error:“{ at column 1 should be on the previous line.”
- – line:“456”
 - error:“{ at column 5 should be on the previous line.”
- – line:“566”

- error:“{ at column 5 should be on the previous line.”
- - line:“573”
 - error:“{ at column 5 should be on the previous line.”
- - line:“817”
 - error:“{ at column 5 should be on the previous line.”
- - line:“855”
 - error:“{ at column 5 should be on the previous line.”
- - line:“929”
 - error:“{ at column 5 should be on the previous line.”
- - line:“1084”
 - error:“{ at column 5 should be on the previous line.”
- - line:“1100”
 - error:“{ at column 5 should be on the previous line.”
- - line:“1151”
 - error:“{ at column 5 should be on the previous line.”
- - line:“1583”
 - error:“{ at column 2 should be on the previous line.”
- - line:“1697”
 - error:“{ at column 5 should be on the previous line.”
- - line:“1844”
 - error:“{ at column 5 should be on the previous line.”
- - line:“1912”
 - error:“{ at column 5 should be on the previous line.”
- - line:“2310”
 - error:“{ at column 17 should be on the previous line.”
- - line:“2383”
 - error:“{ at column 5 should be on the previous line.”

- – line:“2398”
 - error:“{ at column 5 should be on the previous line.”
- – line:“2529”
 - error:“{ at column 5 should be on the previous line.”
- – line:“2535”
 - error:“{ at column 5 should be on the previous line.”
- – line:“2657”
 - error:“{ at column 5 should be on the previous line.”
- – line:“2860”
 - error:“{ at column 5 should be on the previous line.”
- – line:“2963”
 - error:“{ at column 5 should be on the previous line.”
- – line:“2977”
 - error:“{ at column 5 should be on the previous line.”

3.4 Tab character

- – line:“216”
 - error:“Line contains a tab character.”
- – line:“222”
 - error:“Line contains a tab character.”
- – line:“243”
 - error:“Line contains a tab character.”
- – line:“244”
 - error:“Line contains a tab character.”
- – line:“245”
 - error:“Line contains a tab character.”
- – line:“254”

- error:“Line contains a tab character.”
- - line:“255”
 - error:“Line contains a tab character.”
- - line:“257”
 - error:“Line contains a tab character.”
- - line:“268”
 - error:“Line contains a tab character.”
- - line:“269”
 - error:“Line contains a tab character.”
- - line:“273”
 - error:“Line contains a tab character.”
- - line:“467”
 - error:“Line contains a tab character.”
- - line:“472”
 - error:“Line contains a tab character.”
- - line:“477”
 - error:“Line contains a tab character.”
- - line:“478”
 - error:“Line contains a tab character.”
- - line:“479”
 - error:“Line contains a tab character.”
- - line:“480”
 - error:“Line contains a tab character.”
- - line:“481”
 - error:“Line contains a tab character.”
- - line:“482”
 - error:“Line contains a tab character.”

- – line:“483”
 – error:“Line contains a tab character.”
- – line:“484”
 – error:“Line contains a tab character.”
- – line:“489”
 – error:“Line contains a tab character.”
- – line:“508”
 – error:“Line contains a tab character.”
- – line:“509”
 – error:“Line contains a tab character.”
- – line:“513”
 – error:“Line contains a tab character.”
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- error:“Line contains a tab character.”
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 - error:“Line contains a tab character.”
- - line:“803”
 - error:“Line contains a tab character.”
- - line:“853”
 - error:“Line contains a tab character.”
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 - error:“Line contains a tab character.”
- - line:“856”
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- – line:“857”
 – error:“Line contains a tab character.”
- – line:“858”
 – error:“Line contains a tab character.”
- – line:“899”
 – error:“Line contains a tab character.”
- – line:“903”
 – error:“Line contains a tab character.”
- – line:“904”
 – error:“Line contains a tab character.”
- – line:“905”
 – error:“Line contains a tab character.”
- – line:“906”
 – error:“Line contains a tab character.”
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 – error:“Line contains a tab character.”
- – line:“911”
 – error:“Line contains a tab character.”
- – line:“912”
 – error:“Line contains a tab character.”
- – line:“1049”

- error:“Line contains a tab character.”
- - line:“1050”
 - error:“Line contains a tab character.”
- - line:“1052”
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- - line:“1058”
 - error:“Line contains a tab character.”
- - line:“1059”
 - error:“Line contains a tab character.”
- - line:“1075”
 - error:“Line contains a tab character.”
- - line:“1153”
 - error:“Line contains a tab character.”
- - line:“1362”
 - error:“Line contains a tab character.”
- - line:“1363”
 - error:“Line contains a tab character.”

- – line:“1365”
 – error:“Line contains a tab character.”
- – line:“1366”
 – error:“Line contains a tab character.”
- – line:“1367”
 – error:“Line contains a tab character.”
- – line:“1386”
 – error:“Line contains a tab character.”
- – line:“1537”
 – error:“Line contains a tab character.”
- – line:“1538”
 – error:“Line contains a tab character.”
- – line:“1539”
 – error:“Line contains a tab character.”
- – line:“1548”
 – error:“Line contains a tab character.”
- – line:“1581”
 – error:“Line contains a tab character.”
- – line:“1582”
 – error:“Line contains a tab character.”
- – line:“1583”
 – error:“Line contains a tab character.”
- – line:“1584”
 – error:“Line contains a tab character.”
- – line:“1585”
 – error:“Line contains a tab character.”
- – line:“1586”

- error:“Line contains a tab character.”
- - line:“1588”
 - error:“Line contains a tab character.”
- - line:“1589”
 - error:“Line contains a tab character.”
- - line:“1590”
 - error:“Line contains a tab character.”
- - line:“1591”
 - error:“Line contains a tab character.”
- - line:“1735”
 - error:“Line contains a tab character.”
- - line:“1739”
 - error:“Line contains a tab character.”
- - line:“1877”
 - error:“Line contains a tab character.”
- - line:“2072”
 - error:“Line contains a tab character.”
- - line:“2073”
 - error:“Line contains a tab character.”
- - line:“2074”
 - error:“Line contains a tab character.”
- - line:“2142”
 - error:“Line contains a tab character.”
- - line:“2143”
 - error:“Line contains a tab character.”
- - line:“2144”
 - error:“Line contains a tab character.”

- – line:“2145”
 – error:“Line contains a tab character.”
- – line:“2146”
 – error:“Line contains a tab character.”
- – line:“2148”
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- – line:“2149”
 – error:“Line contains a tab character.”
- – line:“2150”
 – error:“Line contains a tab character.”
- – line:“2161”
 – error:“Line contains a tab character.”
- – line:“2171”
 – error:“Line contains a tab character.”
- – line:“2172”
 – error:“Line contains a tab character.”
- – line:“2173”
 – error:“Line contains a tab character.”
- – line:“2174”
 – error:“Line contains a tab character.”
- – line:“2175”
 – error:“Line contains a tab character.”
- – line:“2177”
 – error:“Line contains a tab character.”
- – line:“2199”
 – error:“Line contains a tab character.”
- – line:“2200”

- error:“Line contains a tab character.”
- - line:“2201”
 - error:“Line contains a tab character.”
- - line:“2202”
 - error:“Line contains a tab character.”
- - line:“2227”
 - error:“Line contains a tab character.”
- - line:“2228”
 - error:“Line contains a tab character.”
- - line:“2229”
 - error:“Line contains a tab character.”
- - line:“2230”
 - error:“Line contains a tab character.”
- - line:“2320”
 - error:“Line contains a tab character.”
- - line:“2496”
 - error:“Line contains a tab character.”
- - line:“2976”
 - error:“Line contains a tab character.”
- - line:“2978”
 - error:“Line contains a tab character.”
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 - error:“Line contains a tab character.”
- - line:“2981”
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- – line:“2983”
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- – line:“2986”
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- – line:“2987”
 – error:“Line contains a tab character.”
- – line:“2988”
 – error:“Line contains a tab character.”
- – line:“2989”
 – error:“Line contains a tab character.”
- – line:“2991”
 – error:“Line contains a tab character.”
- – line:“2992”
 – error:“Line contains a tab character.”
- – line:“2993”
 – error:“Line contains a tab character.”
- – line:“2994”
 – error:“Line contains a tab character.”
- – line:“2996”
 – error:“Line contains a tab character.”
- – line:“2997”
 – error:“Line contains a tab character.”
- – line:“2998”
 – error:“Line contains a tab character.”
- – line:“3000”

- error:“Line contains a tab character.”
- - line:“3001”
 - error:“Line contains a tab character.”
- - line:“3002”
 - error:“Line contains a tab character.”
- - line:“3004”
 - error:“Line contains a tab character.”
- - line:“3005”
 - error:“Line contains a tab character.”
- - line:“3006”
 - error:“Line contains a tab character.”
- - line:“3008”
 - error:“Line contains a tab character.”
- - line:“3009”
 - error:“Line contains a tab character.”
- - line:“3010”
 - error:“Line contains a tab character.”
- - line:“3012”
 - error:“Line contains a tab character.”
- - line:“3013”
 - error:“Line contains a tab character.”
- - line:“3014”
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- - line:“3016”
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- - line:“3017”
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- – line:“3018”
 – error:“Line contains a tab character.”
- – line:“3021”
 – error:“Line contains a tab character.”
- – line:“3022”
 – error:“Line contains a tab character.”
- – line:“3023”
 – error:“Line contains a tab character.”
- – line:“3024”
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- – line:“3025”
 – error:“Line contains a tab character.”
- – line:“3026”
 – error:“Line contains a tab character.”
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- – line:“3039”
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- – line:“3040”
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- – line:“3044”
 – error:“Line contains a tab character.”
- – line:“3045”
 – error:“Line contains a tab character.”
- – line:“3047”

- error:“Line contains a tab character.”
- - line:“3048”
 - error:“Line contains a tab character.”
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 - error:“Line contains a tab character.”
- - line:“3050”
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- - line:“3055”
 - error:“Line contains a tab character.”
- - line:“3059”
 - error:“Line contains a tab character.”
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- - line:“3062”
 - error:“Line contains a tab character.”
- - line:“3066”
 - error:“Line contains a tab character.”
- - line:“3067”
 - error:“Line contains a tab character.”

- – line:“3069”
 – error:“Line contains a tab character.”
- – line:“3070”
 – error:“Line contains a tab character.”
- – line:“3071”
 – error:“Line contains a tab character.”
- – line:“3072”
 – error:“Line contains a tab character.”
- – line:“3073”
 – error:“Line contains a tab character.”
- – line:“3074”
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- – line:“3080”
 – error:“Line contains a tab character.”
- – line:“3081”
 – error:“Line contains a tab character.”
- – line:“3083”

- error:“Line contains a tab character.”
- - line:“3088”
 - error:“Line contains a tab character.”
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 - error:“Line contains a tab character.”
- - line:“3092”
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 - error:“Line contains a tab character.”
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 - error:“Line contains a tab character.”
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 - error:“Line contains a tab character.”
- - line:“3097”
 - error:“Line contains a tab character.”
- - line:“3098”
 - error:“Line contains a tab character.”
- - line:“3099”
 - error:“Line contains a tab character.”
- - line:“3100”
 - error:“Line contains a tab character.”
- - line:“3101”
 - error:“Line contains a tab character.”

- – line:“3102”
– error:“Line contains a tab character.”
- – line:“3103”
– error:“Line contains a tab character.”
- – line:“3105”
– error:“Line contains a tab character.”
- – line:“3109”
– error:“Line contains a tab character.”
- – line:“3113”
– error:“Line contains a tab character.”

3.5 Missing brackets

- – line:“621”
– error:“*if construct must use {}s.*”
- – line:“623”
– error:“*if construct must use {}s.*”
- – line:“639”
– error:“*if construct must use {}s.*”
- – line:“641”
– error:“*if construct must use {}s.*”
- – line:“645”
– error:“*if construct must use {}s.*”
- – line:“697”
– error:“*if construct must use {}s.*”
- – line:“772”
– error:“*if construct must use {}s.*”
- – line:“775”

- error:“*else construct must use {}s.*”
- - line:“818”
 - error:“*if construct must use {}s.*”
- - line:“940”
 - error:“*if construct must use {}s.*”
- - line:“942”
 - error:“*else construct must use {}s.*”
- - line:“959”
 - error:“*if construct must use {}s.*”
- - line:“961”
 - error:“*else construct must use {}s.*”
- - line:“971”
 - error:“*if construct must use {}s.*”
- - line:“973”
 - error:“*else construct must use {}s.*”
- - line:“1433”
 - error:“*if construct must use {}s.*”
- - line:“1786”
 - error:“*if construct must use {}s.*”
- - line:“2011”
 - error:“*if construct must use {}s.*”
- - line:“2360”
 - error:“*if construct must use {}s.*”

3.6 Naming patterns

- – line:“152”
 - error:“Local variable name *l* must match the right pattern.”
- – line:“510”
 - error:“Local variable name *k16_1* must match the right pattern.”
- – line:“511”
 - error:“Local variable name *k16_2* must match the right pattern.”
- – line:“227”
 - error:“Member name *DEFAULT_LOAD_FACTOR* must match the right pattern.”
- – line:“228”
 - error:“Member name *DEFAULT_CACHE_SIZE* must match the right pattern.”
- – line:“332”
 - error:“Local variable name *e* must match the right pattern.”
- – line:“607”
 - error:“Method name *_getContext* must match the right pattern.”
- – line:“856”
 - error:“Local variable name *pKeys* must match the right pattern.”
- – line:“933”
 - error:“Local variable name *e* must match the right pattern.”
- – line:“952”
 - error:“Local variable name *c* must match the right pattern.”
- – line:“1101”
 - error:“Local variable name *i* must match the right pattern.”
- – line:“1448”
 - error:“Local variable name *e* must match the right pattern.”
- – line:“1491”

- error:“Local variable name *e* must match the right pattern.”
- – line:“1609”
 - error:“Local variable name *e* must match the right pattern.”
- – line:“69”
 - error:“Member name *nCallsInProgress* must match the right pattern.”
- – line:“115”
 - error:“Parameter name *b* must match the right pattern.”
- – line:“120”
 - error:“Parameter name *s* must match the right pattern.”
- – line:“134”
 - error:“Parameter name *b* must match the right pattern.”
- – line:“275”
 - error:“Method name *_setNext* must match the right pattern.”
- – line:“279”
 - error:“Method name *_getNext* must match the right pattern.”
- – line:“283”
 - error:“Method name *_getPKHashCode* must match the right pattern.”
- – line:“125”
 - error:“Member name *RELATIVE_TIME_CHECK_MODE* must match the right pattern.”
- – line:“236”
 - error:“Method name *_getContext* must match the right pattern.”
- – line:“425”
 - error:“Local variable name *e* must match the right pattern.”
- – line:“827”
 - error:“Local variable name *e* must match the right pattern.”

- – line:“835”
 - error:“Local variable name *c* must match the right pattern.”
- – line:“893”
 - error:“Parameter name *v* must match the right pattern.”
- – line:“930”
 - error:“Parameter name *o* must match the right pattern.”
- – line:“84”
 - error:“Method name *_refresh_com_sun_ejb_containers_read_only_bean_* must match the right pattern.”
- – line:“92”
 - error:“Method name *_refresh_All* must match the right pattern.”
- – line:“52”
 - error:“Method name *_refresh_com_sun_ejb_containers_read_only_bean_* must match the right pattern.”
- – line:“55”
 - error:“Method name *_refresh_All* must match the right pattern.”

4 Appendix