

Team 4: Authority Publishing Platform

- Code Inspection Log -

Date: 09/11/2013 - 09/13/2013

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Defect #	Description	Severity
1	Email.java checks for length of email, but does not verify that there is "@" or ".something" or check for garbage entries so someone could enter an invalid email address.	1
2	In User.java email[] should not be final or a variable, it should be a dynamic Iterator	1
3	Token class does not check if the String parameter in the constructor is NULL.	2
4	In User class the email parameter should be checked against 0 with a ">=", which allows for any array of emails with a length of one or greater. It currently only allows 0 length arrays.	1
5	UniqueNodeFactory does not check the parameters of it's constructors against null during object instantiation.	2
6	As with defect #4, in the Citation class String parameters should be checked against 0 with a "<="	1
7	Neither the abstract Entity class, nor it's child class Email, check to see if the InternalNode passed into the Entity class is Null.	3
8	In GraphDatabase.java Email.BuildIndices() - line 39 - This is not scalable for each Email object and should be removed. We should be using auto-indexing	2
9	In GraphDatabase.java calling	3

	awaitIndexesOnline should be removed (line 43) as we are moving to neo4j 2.0	
10	In GraphDatabase.java line 66, instead of passing deleteRecursively "new File" should pass it "scratch"	3
11	In User.java there should be an addEmail() function	1
12	User() should take single email on creation then other emails should be added	3
13	In Email.java isValidAddress() should check if address length is > 3, not 0	2
14	In Email.java isValidAddress() the .indexOf("@") doesn't catch when an address starts with @	2
15	Duplicate code in Email.java, checks if address is null in constructor and isValidAddress()	3
16	In Email.java there is a typo in the error message when the email is too long in Email.fromEmail()	3
17	Server cannot be ran in a place with daylight savings or once a year or else users will get kicked	3
18	User should not implement Identity	1
19	ClaimToken and RecoveryToken need to have appropriate lifetimes	3
20	Citation doesn't check length of description for very large inputs	3
21	User.java should have a removeEmail(String) function	2