

Team 4: Authority Publishing Platform

- Unit Test Defect Log -

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

Moderator: James Miller

Inspectors: Andrew Mack, Christina Atallah, Jason Salter, Mitchell Mounts, Nanthaniel Cherry

Product	Email Unit Test		test/unit/Email.java app/Email.java
Date	9/13/13		
Author	Andrew Mack, Jason Salter		
Defect #	Description	Severity	How Corrected
1	Checking for valid Email object always returns true	1	changed how emails are checked to make sure it is correct aka follows unit tests
2	Building Email object with invalid(but not null) User doesn't identify problem, should not work	3	db transactions are now wrapped around api calls to prevent invalid emails. See api revision that enables transactions
3	Email address causes crash (Exception) if malformed eg is null, "", or doesn't contain an "@"	1	Added catch cases for this, see commit 2f3acd1f
4	Email address "xxxx@" passes but is infact invalid	2	Fixed an indexOf call to use LastIndexOf, also check address.length() - 1 instead of address.length() as it's off by one. See commit 6f11109a38b
5	Fixed email address where the address	2	Use address.length() <= 1

	is *just* "@" which passed but is an invalid email address		instead of <= 0 . See commit 941ac277
6	Added test case where address is just "@example.com"	2	Added a check for indexOf("@") == 0. See commit 941ac277

Product	Session Unit Test		test/unit/Session.java app/Session.java
Date	9/13/13		
Author	Andrew Mack, Christina Atallah, James Miller, Nanthaniel Cherry		
Defect #	Description	Severity	How Corrected
1	invalid(but not null) user can be used to create session	3	db transactions are now wrapped around api calls to prevent invalid users
2	creating new session with expired validUntil date is allowed	2	make sure validUntil expiration date is greater than the current date. Without this Session are never garbage collected or deemed expired
3	Fixed validUntil to test with a futureDate instead of now()==now()	3	Method would have worked but this actually exercises the class more. See commit 6f11109
4	Made Session throw exceptions for invalid construction arguments	3	Unit test should have caught this but this provides a better format than original methods.

			Commit 5c12415ce
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Product	Citation Unit Test		test/unit/Citation.java app/Citation.java
Date	9/13/13		
Author	Andrew Mack, Nathan Cherry, James Miller		
Defect #	Description	Severity	How Corrected
1	citation description can exceed the maximum character count	3	set maximum character limit of 256 to description. See commit e0e6de9
2	citation resource can exceed the maximum character count	3	set maximum character limit of 256 to resource. See commit e0e6de9
3	Unit test for citation and resource were failing as they expected an IllegalArgumentException yet none was thrown from the Citation constructor. Broke build and couldn't test	1	Added checks to constructor to throw exception. See commit 6f11109
4	Small bug in unit test that mixed the constructor arguments up and tested the same argument twice	3	Fixed the unit test by making sure the arguments were being tested. See commit 6f11109
5	Resource and description are throwing IllegalArgumentException's when description should be blank (""	3	Not fixed as it's not clear if having a blank description is an actual use case. Code in

) according to user expectations		question is commit 5c12415c
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Product	User Unit Test		test/unit/User.java app/User.java
Date	9/13/13		
Author	Andrew Mack, James Miller		
Defect #	Description	Severity	How Corrected
1	User only returns the first email that they registered for instead of the email that is being searched for	3	user checks addresses to return the correct email
2	when creating a User, throws exception if an email exists in the list	1	check that length of email list is greater than or equal to 0. Fixed in commit e0e6de924. Should be followed-up on as it's unclear if zero emails case exists
3	Fixed build error & unit test error when merging code	1	Removed a variable that should have not been removed. Even if it's unused it breaks the build and thus the unit test's . Commit 6f11109
4	Fixed assertEquals() error in unit test that was comparing the "getEmail()" method with an Email[] array, rather than Email[0], or the first element of the array	2	Fixed by comparing with the correct element. Commit 6f11109
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