

# **Open Source Project -** **CO328 Software** **Engineering**

**M.D.R.A.M. DE SILVA**

**E/13/058**

**PROJECT :OPENMRS**

**SEMESTER 06**

## LOG BOOK (CO328 : Software Engineering)



**OpenMRS Description** : OpenMRS is a patient-based medical record system focusing on giving providers a free customizable electronic medical record system (EMR).

- The mission of OpenMRS is to improve **healthcare delivery** in resource-constrained environments by coordinating a global community that creates a robust, scalable, user-driven, open source medical record system platform.

<b>Milestone</b>	<b><u>Completed Date</u></b>
Selected a project . (OpenMRS)	22/06/2017
Installed Maven and Git for windows and set configurations.	24/06/2017
Checked out source code in Github repository <a href="https://github.com/OpenMRS">https://github.com/OpenMRS</a>	28/06/2017
Building from source: <ul style="list-style-type: none"><li>• Referred developer manual.(<a href="http://devmanual.openmrs.org/en/Technology/getSetUp.html">http://devmanual.openmrs.org/en/Technology/getSetUp.html</a>)</li><li>• Installed MySql (<a href="https://dev.mysql.com/downloads/installer/">https://dev.mysql.com/downloads/installer/</a>)</li><li>• Set proxy configurations in Git Bash.</li><li>• Cloned from github repository using Git Bash.</li></ul>	30/06/2017 - 2/07/2017

<ul style="list-style-type: none"> <li>• Built the source using maven.[1]</li> <li>• Build failure handling.[<a href="https://talk.openmrs.org/t/how-do-i-set-up-my-development-system/3437/15">https://talk.openmrs.org/t/how-do-i-set-up-my-development-system/3437/15</a>] [2]</li> <li>• Build success.[3]</li> <li>• Ran OpenMRS using jetty server.[4]</li> </ul>	
Joined the OpenMRS community and signed up for OpenMRS talk.[5]	04/07/2017
Configuring the IDE (intellij) <a href="https://wiki.openmrs.org/display/docs/Developer+How-To+Setup+And+Use+IntelliJ">https://wiki.openmrs.org/display/docs/Developer+How-To+Setup+And+Use+IntelliJ</a>	18/07/2017
Started working on "add tests for junit TODO" items in the code <a href="#">TRUNK-248</a>	18/07/2017
Got jira access : needed to claim issues[6]	21/07/2017
Claimed the issue ,Trunk -248 [7]	25/07/2017
Identifying TODO tests in the code[8]	25/07/2017
Identifying a method which is still not tested in ProgramWorkflowService.java [9]	8/26/2017
Creation of a new Ticket to add tests to ProgramWorkflowService.getProgramsByConcept method [10] New issue ticket [ <a href="#">Trunk 5212</a> ]	8/27/2017
Contacted Ivo and mentioned about the creation of new ticket .[11]	8/27/2017
Working on the issue + making a pull request [12]	8/27/2017
Pull request steps carried out in git bash [13]	20/9/2017
Pull request for one method in programWorkflowService created [14] <a href="https://github.com/openmrs/openmrs-core/pull/2246">https://github.com/openmrs/openmrs-core/pull/2246</a> [14]	24/9/2017
Reading pull request format details related to	24/9/2017

Openmrs . <a href="https://wiki.openmrs.org/display/docs/Pull+Request+Tips">https://wiki.openmrs.org/display/docs/Pull+Request+Tips</a>	
Conveying Pull request details [15]	24/9/2017
Updating fork [16]	26/9/2017
Started working on a new bug Replace duplication in UserServiceImpl by StringUtils [17] <a href="#">TRUNK- 5047</a>	27/9/2017
Assigned TRUNK-5047 to myself [18]	27/9/2017
Created a seperate branch "TRUNK -5047" for the issue in my repo. [19]	27/9/2017
Understanding the issue [20]	27/09/2017
Modifying the code [21]	27/09/2017
Testing (success)[22]	27/09/2017
Pushing to the newly created branch TRUNK-5047 [23]	27/09/2017
Pull request and compare [24]	
Pull request on TRUNK-5047 [25] <a href="#">pull request</a>	27/09/2017
Conveying the issue owner about the PR [26]	27/09/2017
Merged pull request TRUNK-5047 by openMRS <a href="#">link</a> [27]	28/09/2017
TRUNK - 5212 status changed to ready for work.	17/10/2017

- Open Source code repository(fork to my github account) :  
<https://github.com/RanganaDe/openmrs-core>

## 1.Build source using maven

```
anganasa@linuxas:~/d/openers-core (master)
$ mvn clean install
[INFO] Scanning for projects...
[INFO] -----
[INFO] Reactor Build Order:
[INFO]
[INFO] OpenMRS
[INFO] openmrs-tools
[INFO] openmrs-test
[INFO] openmrs-api
[INFO] openmrs-web
[INFO] openmrs-webapp
[INFO] -----
[INFO] Building OpenMRS 2.2.0-SNAPSHOT
[INFO] -----
Downloading: http://mavenrepo.openmrs.org/nexus/content/repositories/public/com/mycila/license-maven-plugin/2.6/license-maven-plugin-2.6.pom
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/com/mycila/license-maven-plugin/2.6/license-maven-plugin-2.6.pom (4.5 kB at 1.1 kB/s)
Downloading: http://mavenrepo.openmrs.org/nexus/content/repositories/public/com/mycila/mycila-pom/2/mycila-pom-3.pom
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/com/mycila/mycila-pom/2/mycila-pom-3.pom (20 kB at 17 kB/s)
Downloading: http://mavenrepo.openmrs.org/nexus/content/repositories/public/com/mycila/license-maven-plugin/2.6/license-maven-plugin-2.6.jar
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/com/mycila/license-maven-plugin/2.6/license-maven-plugin-2.6.jar (78 kB at 57 kB/s)
Downloading: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/maven/plugins/maven-jar-plugin/2.3.2/maven-jar-plugin-2.3.2.pom
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/maven/plugins/maven-jar-plugin/2.3.2/maven-jar-plugin-2.3.2.pom (3.8 kB at 3.4 kB/s)
Downloading: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/maven/plugins/maven-plugins/21/maven-plugins-21.pom
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/maven/plugins/maven-plugins/21/maven-plugins-21.pom (12 kB at 6.7 kB/s)
Downloading: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/maven/maven-parent/20/maven-parent-20.pom
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/maven/maven-parent/20/maven-parent-20.pom (25 kB at 22 kB/s)
Downloading: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/apache/9/apache-9.pom
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/apache/9/apache-9.pom (0 B at 0 B/s)
Downloading: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/maven/plugins/maven-jar-plugin/2.3.2/maven-jar-plugin-2.3.2.jar
```

## 2.Build failure handling

[Error] plugin com.mycila:license-maven-plugin:2.6 Or one of its dependencies could not be resolved: Failed to read artifact descriptor for com.mycila:license-maven-plugin:jar:2.6:could not transfer artifact com.mycila:license-maven-plugin:pom:2.6 from/to openmrs-repo...

Solution : Manually created the settings.xml file in \${user.home}/.m2/ with required information.

### 3.Build Success


```

[INFO] Packaging webapp
[INFO] Assembling webapp [openmrs-webapp] in [D:\openmrs-core\webapp\target\openmrs]
[INFO] Processing war project
[INFO] Copying webapp webResources [D:\openmrs-core\webapp\src\main\webapp] to [D:\openmrs-core\webapp\target\openmrs]
[INFO] Copying webapp resources [D:\openmrs-core\webapp\src\main\webapp]
[INFO] Webapp assembled in [993 msecs]
[INFO] Building war: D:\openmrs-core\webapp\target\openmrs.war
[INFO]
[INFO] --- maven-jar-plugin:2.3.2:test-jar (default) @ openmrs-webapp ---
[INFO] Building jar: D:\openmrs-core\webapp\target\openmrs-tests.jar
[INFO]
[INFO] --- license-maven-plugin:2.6:check (default) @ openmrs-webapp ---
[INFO] Checking licenses...
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ openmrs-webapp ---
[INFO] Installing D:\openmrs-core\webapp\target\openmrs.war to C:\Users\rangana\.m2\repository\org\openmrs\web\openmrs-webapp\2.2.0-SNAPSHOT\openmrs-webapp-2.2.0-SNAPSHOT.war
[INFO] Installing D:\openmrs-core\webapp\pom.xml to C:\Users\rangana\.m2\repository\org\openmrs\web\openmrs-webapp\2.2.0-SNAPSHOT\openmrs-webapp-2.2.0-SNAPSHOT.pom
[INFO] Installing D:\openmrs-core\webapp\target\openmrs-tests.jar to C:\Users\rangana\.m2\repository\org\openmrs\web\openmrs-webapp\2.2.0-SNAPSHOT\openmrs-webapp-2.2.0-SNAPSHOT-tests.jar
[INFO]
[INFO] Reactor Summary:
[INFO]
[INFO] OpenMRS ..... SUCCESS [03:43 min]
[INFO] openmrs-tools ..... SUCCESS [01:05 min]
[INFO] openmrs-test ..... SUCCESS [01:17 min]
[INFO] openmrs-api ..... SUCCESS [21:22 min]
[INFO] openmrs-web ..... SUCCESS [ 59.389 s]
[INFO] openmrs-webapp ..... SUCCESS [ 54.767 s]
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 29:22 min
[INFO] Finished at: 2017-07-03T18:51:53+05:30
[INFO] Final Memory: 104M/440M
[INFO]
rangana@A MINGW64 /d/openmrs-core (master)
$
```

## 4.Run OpenMRS using Jetty Server

```
ranganatha@MINGW64 /d/openmrs-core/webapp (master)
$ mvn jetty:run
[INFO] Scanning for projects...
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/maven/plugins/maven-assembly-plugin/2.2-beta-5/maven-assembly-plugin-2.2-beta-5.pom (15 kB at 5.6 kB/s)
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/apache/maven/plugins/maven-assembly-plugin/2.2-beta-5/maven-assembly-plugin-2.2-beta-5.jar (209 kB at 133 kB/s)
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/eclipse/jetty/jetty-maven-plugin/9.3.3.v20150827/jetty-maven-plugin-9.3.3.v20150827.pom (5.5 kB at 6.0 kB/s)
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/eclipse/jetty/jetty-project/9.3.3.v20150827/jetty-project-9.3.3.v20150827.pom (34 kB at 31 kB/s)
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/eclipse/jetty/jetty-parent/25/jetty-parent-25.pom (22 kB at 19 kB/s)
Downloaded: http://mavenrepo.openmrs.org/nexus/content/repositories/public/org/eclipse/jetty/jetty-maven-plugin/9.3.3.v20150827/jetty-maven-plugin-9.3.3.v20150827.jar (101 kB at 73 kB/s)
[INFO]
[INFO] -----
[INFO] Building openmrs-webapp 2.2.0-SNAPSHOT
[INFO] -----
[INFO]
[INFO] >>> jetty-maven-plugin:9.3.3.v20150827:run (default-cli) > test-compile @ openmrs-webapp >>>
[INFO]
[INFO] --- buildnumber-maven-plugin:1.1:create (default) @ openmrs-webapp ---
[INFO] Checking for local modifications: skipped.
[INFO] Updating project files from SCM: skipped.
[INFO] ShortRevision tag detected. The value is '6'.
[INFO] Executing: cmd.exe /X /C "git rev-parse --verify --short=6 HEAD"
[INFO] Working directory: D:\openmrs-core\webapp
[INFO] Storing buildNumber: 5c7d27 at timestamp: 1499088313149
[INFO] ShortRevision tag detected. The value is '6'.
[INFO] Executing: cmd.exe /X /C "git rev-parse --verify --short=6 HEAD"
[INFO] Working directory: D:\openmrs-core\webapp
[INFO] Storing buildScmBranch: UNKNOWN
[INFO]
[INFO] --- build-helper-maven-plugin:1.5:parse-version (parse-version) @ openmrs-webapp ---
[INFO]
[INFO] --- maven-resources-plugin:2.4:resources (default-resources) @ openmrs-webapp ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 2 resources
[INFO] Copying 1 resource to ../jetty
[INFO]
[INFO] --- maven-antrun-plugin:1.4:run (default) @ openmrs-webapp ---
[INFO] project.artifactId
[INFO] Executing tasks
```

← → ↻ localHost:8080/openmrs/initialSetup




OpenMRS  
MEDICAL RECORD SYSTEM

## OpenMRS 2.2.0-5c7d27 Installation Wizard

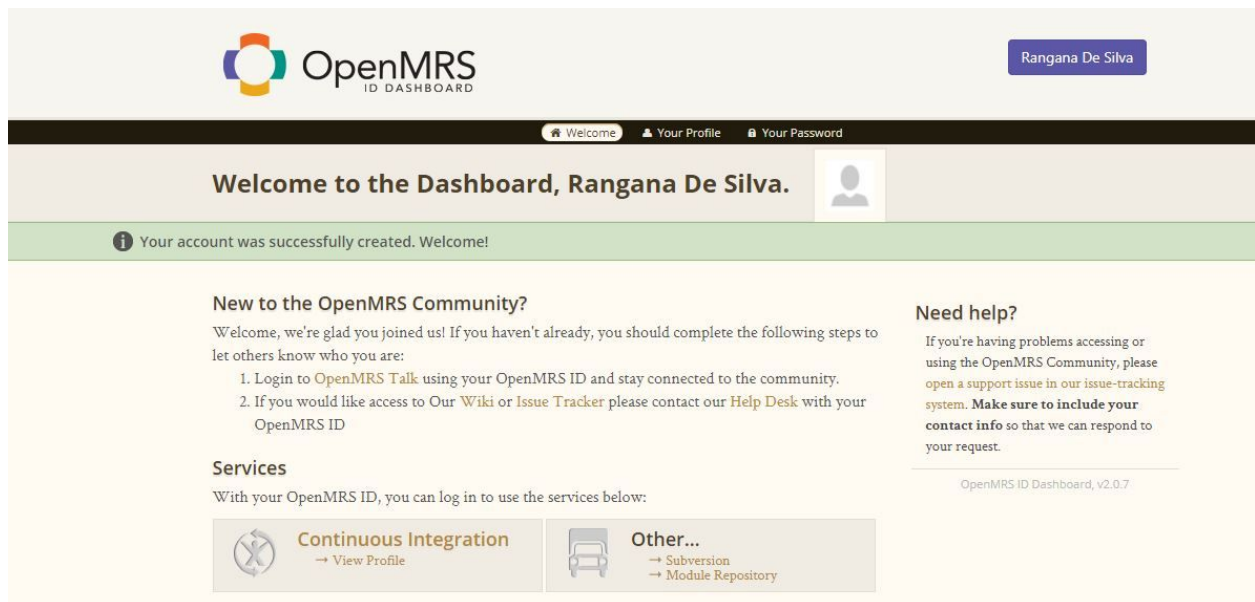
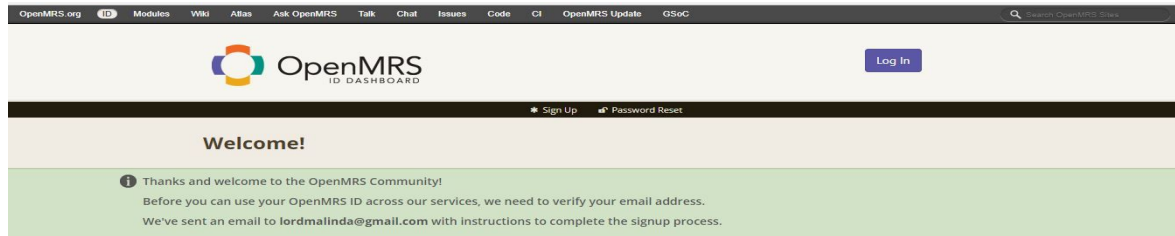
Which language do you prefer?

English ▼

☐ Remember this choice



## 5. Joined the community of OpenMRS



rangana Rangana De Silva

1m

Hi,  
I am an undergraduate at University of Peradeniya, currently enrolled in the computer engineering degree program. I have gained some skills working with JAVA and MySQL. This is my first attempt at contributing to an open source project and I hope to make it a successful one.

    Reply





**dkayiwa** Daniel Kayiwa /dev/5 GUIDE

**R** Welcome - please introduce yourself!

Hi, I am an undergraduate at University of Peradeniya, currently enrolled in the computer engineering degree program. I have gained some skills working with JAVA and MySQL. This is my first attempt at contributing to an open source project and I hope to make it a successful one.

Hello,

Welcome to the community that saves even more lives! 😊

In what capacity would you prefer to contribute? Develop? Test? Document? Translate? Support? Or something else?

More details of these categories can be found at: <http://openmrs.org/join-the-community/>

14 DAYS LATER



**rangana** Rangana De Silva

1m

I'd like to contribute to the project assisting in developing it. I've gone through some introductory tickets mentioned in the system dashboard and would like to start working on identifying TODO items in the code. 😊

Reply

## 6. Authorisation to handle issues with Jira

Authorization to handle Issues in the Issue tracker [#39713]



Inbox x



**OpenMRS Help Desk** <helpdesk@openmrs.org>  
to me ▾

3:58 PM (18 hours ago) ☆



Your case was created [#39713]

### Authorization to handle Issues in the Issue tracker

Status: New Impact: Routine Group: IT Service Management



**Rangana De Silva**

24 Jul 17

Since I am a beginner to Open source development I think that handling issues already identified would help me to contribute to this project.


**OpenMRS Help Desk** <helpdesk@openmrs.org>

8:08 PM (14 hours ago) ☆
 


to me ▾

Thank you so much for the desire to contribute!  
 Permission has been granted.  
 We anxiously look forward to reviewing your pull requests. :)

On Jul 24, 2017 at 10:27AM UTC [lordmalinda@gmail.com](mailto:lordmalinda@gmail.com) <[lordmalinda@gmail.com](mailto:lordmalinda@gmail.com)> wrote:

Since I am a beginner to Open source development I think that handling issues already identified would help me to contribute to this project.



## 7.Claimed the Issue No: Trunk -248 : Add tests for JUNIT TODOs






### Description

There are TODO comments spread throughout the code that contain the word 'junit'. These represent where devs have thought "hmm, this could benefit from a junit test", but didn't have time/energy to write it at that moment.

These tests need to actually be written, the TODOs removed.

It might help to run code coverage locally to spot the untested line the TODO was for. Run `mvn clean package && mvn jacoco:report` report is then in `api/target/site/jacoco/index.html`.


 Export ▾

Details				People	
Type:	 Bug	Status:	<b>IN PROGRESS</b>	Assignee:	 Rangana De Silva
Priority:	 Could	Resolution:	Unresolved	Reporter:	 Ben Wolfe
Affects Version/s:	None	Fix Version/s:	<a href="#">Platform 2.2.0</a>	Votes:	 0 <a href="#">Vote for this issue</a>
Component/s:	None				
Labels:	<a href="#">intro</a>				
Complexity:	Low				

## 8. Identified Classes which need test cases implemented.

```

(50, 4) * TODO clean up and finish this test class. Should test all methods in the
(483, 4) // TODO: This test fails for some reason
▼ CohortServiceTest.java
(38, 45) * Tests methods in the CohortService class TODO add all the rest of the tests
▼ ConceptServiceTest.java
(87, 81) * This test class (should) contain tests for all of the ConceptService methods TODO clean up and
▼ EncounterServiceTest.java
(1669, 5) * TODO see ticket https://tickets.openmrs.org/browse/TRUNK-1956 to fix this test
▼ FormServiceTest.java
(51, 4) * TODO clean up and finish this test for all methods in FormService
(66, 33) * Creates then updates a form FIXME Break this test case into separate tests
▼ ObsServiceTest.java
(71, 4) * TODO clean up and add tests for all methods in ObsService
▼ OpenmrsServiceTest.java
(44, 5) // TODO Fix why this test fails when run with other tests
▼ OrderServiceTest.java
(82, 4) * TODO clean up and test all methods in OrderService
▼ PatientServiceTest.java
(85, 57) * This class tests methods in the PatientService class TODO Add methods to test all methods in
(1217, 6) // TODO Test this - it shouldn't matter what the identifier is

```

 Rangana De Silva made changes - Today 00:56:00 GMT+0000


Status

Ready for Work [ 10007 ]

In Progress [ 3 ]

Assignee

Rangana De Silva [ rangana ]

▼  Rangana De Silva added a comment - a few seconds ago

I found several classes which still needs implementations of test cases. Namely ,

1. AdministrationServiceTest
2. CohortServiceTest
3. PatientServiceTest
4. ProgramWorkflowServiceTest
5. UserServiceTest

I'd like to work on adding missing test cases to these classes.



Ivo Ulrich commented on  TRUNK-248

### Re: Add tests for junit TODOs

Rangana De Silva great! yes there is lots to test 😊 I suggest you identify what you want to test and create a separate issue for each of the classes you mentioned. Its best not to use this ticket for all these tasks, its already open since 2008 😊 So please describe the test cases in an issue per class. Also its good to merge more often than to keep such long running tasks. Thanks for your effort!

 Add Comment

## 9. Identified A test method in ProgramWorkFlowService.java which is not tested yet

```
@Authorized( { PrivilegeConstants.GET_PATIENT_PROGRAMS })
public List<Program> getProgramsByConcept(Concept concept);

/**
 * Returns a list of ProgramWorkflows that are using a particular concept.
 *
 * @param concept - The Concept being used.
 * @return - A List of ProgramWorkflows
 */
```

```
@Override
@Transactional(readOnly = true)
public List<Program> getProgramsByConcept(Concept concept) {
    return dao.getProgramsByConcept(concept);
}
```

A test case has to be written in ProgramWorkFlowServiceTest.java to see whether this method returns the expected concept object or not.

## 10. Creation of a new Ticket to add tests to ProgramWorkFlowService.getProgramsByConcept method [\[Trunk 5212\]](#)

The screenshot shows a Jira ticket interface. At the top, there's a header 'Reported by Me' with a 'Save as' button. Below it, a filter bar shows 'Project: All', 'Type: All', 'Status: All', 'Assignee: All', and a search bar. The main content area is titled 'OpenMRS Core / TRUNK-5212' and 'Add test case for ProgramWorkFlowService.getProgramsByConcept'. It includes buttons for 'Edit', 'Comment', 'Agile Board', 'More', and 'Cancel issue'. The ticket details are as follows:

Details	
Type:	Bug
Priority:	TBD
Affects Version/s:	None
Component/s:	None
Labels:	None
Complexity:	Undetermined

Status: **NEED ASSESSMENT**  
Resolution: Unresolved  
Fix Version/s: None


Reporter: Rangana De Silva  
Votes: 0  
Watchers: 1 (Stop watching this issue)

HipChat discussions  
Dedicated room: Create a room | Choose a room  
Other rooms: Issue mentioned in 0 rooms

Dates

Description  
Suggested test case flow:  
1. Create a new program(s) with a pre-defined unique concept object.  
2. Verify creation of program object.  
3. Invoke getProgramsByConcept and verify whether the returned program object(s) have the same concept object.

## **11. Contacted Ivo and mentioned about the creation of new ticket .**

▼  Ivo Ulrich added a comment - 2017-08-10 06:05:00 GMT+0000

dear [Rangana De Silva](#) have you had the chance to create a new ticket for a specific class you want to test? If so, please tell us so we can make it ready for you to work on and we can close this ticket. Thanks!

---

▼  Rangana De Silva added a comment - 32 minutes ago

Dear Ivo,

<https://issues.openmrs.org/browse/TRUNK-5212>

I've identified one method which needs a test case in ProgameWorkflowService and I've created the above issue for a start.

Please check whether the issue is reported as per standard so that I can start working on it. 😊

P:S Sorry for the delay in getting back to this since I was pre occupied with University Exams.

Thanks.

---

## **12. Working on the issue and making a pull request ()**

- Made an issue to address the solution for the test method mentioned above.
- [Fork the repository](#) on which I am working, clone my forked repo to my local computer, and set up the upstream remote:

```
git clone git://github.com/RanganaDe/openmrs-core.git
```

```
git remote add upstream https://github.com/openmrs/openmrs-core.git
```

- Checked Out a new local branch based on the master and update it to the latest. The convention is to name the branch after the current ticket, in this case "TRUNK-5212"

```
git checkout -b TRUNK-5212 master
```

```
git clean -df
```

```
git pull --rebase upstream master
```



Next step is to,

1. Push the branch to my fork. Treat it as a backup.

git push origin TRUNK-5212

2. Code [9/24/2017]

```
@Test
public void getProgramsByConceptTest() {

    List<Program> actualProgramList = new ArrayList<Program>();
    List<Program> expectedProgramList= new ArrayList<Program>();

    Program program1 = new Program();

    program1.setName("TEST PROGRAM1");
    program1.setDescription("TEST PROGRAM DESCRIPTION1");
    program1.setConcept(cs.getConcept(3));

    Program program2 = new Program();

    program2.setName("TEST PROGRAM2");
    program2.setDescription("TEST PROGRAM DESCRIPTION2");
    program2.setConcept(cs.getConcept(3));

    Program program3 = new Program();

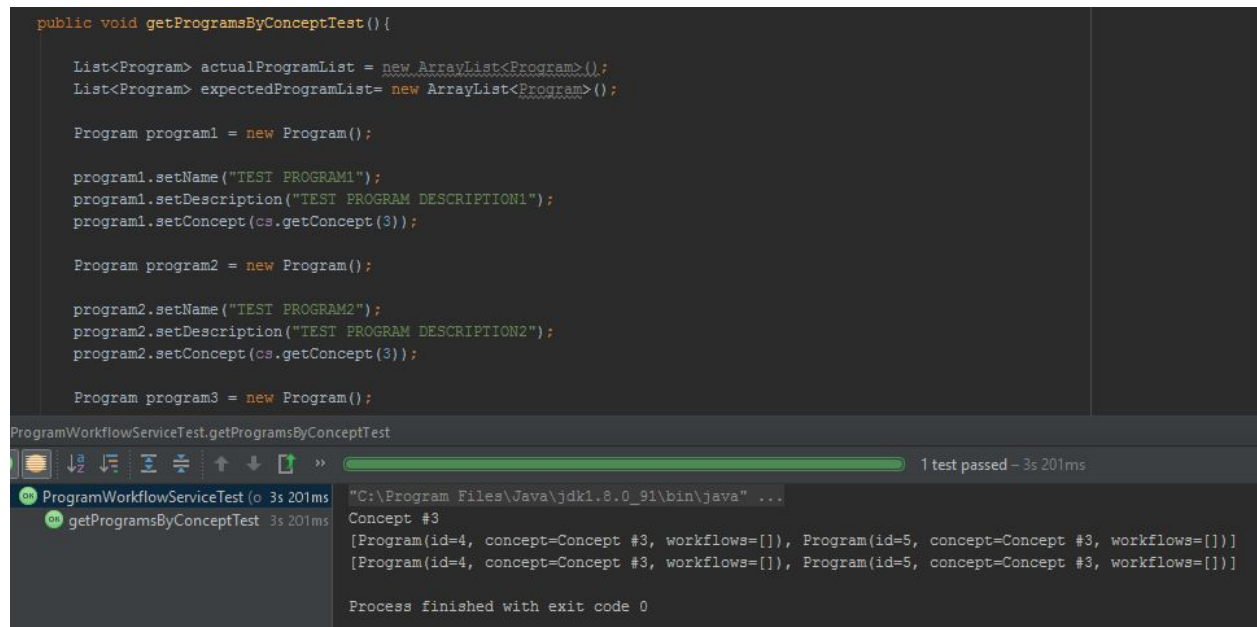
    program3.setName("TEST PROGRAM3");
    program3.setDescription("TEST PROGRAM DESCRIPTION3");
    program3.setConcept(cs.getConcept(4));

    expectedProgramList.add(0,program1);
    expectedProgramList.add(1,program2);

    dao.saveProgram(program1);
    dao.saveProgram(program2);
    dao.saveProgram(program3);

    actualProgramList = dao.getProgramsByConcept(cs.getConcept(3));
    assertEquals(expectedProgramList,actualProgramList);
}
```

Wrote the test method for “getProgramsByConcept” and it was successful.



```
public void getProgramsByConceptTest(){  
    List<Program> actualProgramList = new ArrayList<Program>();  
    List<Program> expectedProgramList= new ArrayList<Program>();  
  
    Program program1 = new Program();  
  
    program1.setName("TEST PROGRAM1");  
    program1.setDescription("TEST PROGRAM DESCRIPTION1");  
    program1.setConcept(cs.getConcept(3));  
  
    Program program2 = new Program();  
  
    program2.setName("TEST PROGRAM2");  
    program2.setDescription("TEST PROGRAM DESCRIPTION2");  
    program2.setConcept(cs.getConcept(3));  
  
    Program program3 = new Program();  
  
    // ... (rest of the test logic) ...  
}
```

ProgramWorkflowServiceTest.getProgramsByConceptTest

1 test passed - 3s 201ms

ProgramWorkflowServiceTest (o 3s 201ms)

getProgramsByConceptTest 3s 201ms

"C:\Program Files\Java\jdk1.8.0\_91\bin\java" ...

Concept #3

[Program(id=4, concept=Concept #3, workflows=[]), Program(id=5, concept=Concept #3, workflows=[])]

[Program(id=4, concept=Concept #3, workflows=[]), Program(id=5, concept=Concept #3, workflows=[])]

Process finished with exit code 0

### 3. Commit

git commit -m "TRUNK-5212: add tests to ProgramWorkFlowService.getProgramsByConcept"

- Issue a Pull Request

```
git pull --rebase upstream master  
git checkout master  
git pull --rebase upstream master  
git checkout TRUNK-5212  
git rebase -i master
```

Then,make sure all unit tests still pass:

```
mvn clean package
```

And Push changes to the fork:

git push -f

In order to make a pull request,

- Navigate to the OpenMRS repository (<https://github.com/RanganaDe/openmrs-core>) ,Click "Pull Request".
- Write branch name in the branch field : TRUNK-5212
- Click "Update Commit Range".
- Ensure the changesets introduced are included in the "Commits" tab.
- Ensure that the "Files Changed" incorporate all of the changes.
- Fill in some details about the potential patch including a meaningful title : add tests to ProgramWorkflowService.getProgramsByConcept.
- Click "Send pull request".
- In JIRA, open the issue and click the "Request Code Review" button to change the issue's status to "Code Review". Add a comment linking to the URL of the pull request.

### 13.Pull request steps carried out in git bash

```
wedding@A MINGW64 /e/MRS/openmrs-core (master)
$ git remote -v
origin  https://github.com/openmrs/openmrs-core.git (fetch)
origin  https://github.com/openmrs/openmrs-core.git (push)

wedding@A MINGW64 /e/MRS/openmrs-core (master)
$ git checkout -b TRUNK-5212
Switched to a new branch 'TRUNK-5212'
M       api/src/main/java/org/openmrs/scheduler/Schedule.java
M       api/src/test/java/org/openmrs/api/ProgramWorkflowServiceTest.java
```

```
wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git status
On branch TRUNK-5212
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   api/src/main/java/org/openmrs/scheduler/Schedule.java
        modified:   api/src/test/java/org/openmrs/api/ProgramWorkflowServiceTest
        .java
no changes added to commit (use "git add" and/or "git commit -a")
```



```
wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git add --all

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git status
On branch TRUNK-5212
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   api/src/main/java/org/openmrs/scheduler/Schedule.java
        modified:   api/src/test/java/org/openmrs/api/ProgramWorkflowServiceTest
.java

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git commit -m "TRUNK-5212: add tests to ProgramWorkFlowService.getProgramsByCo
ncept"
[TRUNK-5212 1c4ba0c7d] TRUNK-5212: add tests to ProgramWorkFlowService.getProgra
msByConcept
 2 files changed, 44 insertions(+), 2 deletions(-)

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git status
On branch TRUNK-5212
nothing to commit, working tree clean
```

```
wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git remote set-url origin https://github.com/RanganaDe/openmrs-core.git

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git remote -v
origin https://github.com/RanganaDe/openmrs-core.git (fetch)
origin https://github.com/RanganaDe/openmrs-core.git (push)
upstream https://github.com/openmrs/openmrs-core.git (fetch)
upstream https://github.com/openmrs/openmrs-core.git (push)

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git push origin TRUNK-5212
Counting objects: 16, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (12/12), done.
Writing objects: 100% (16/16), 3.37 KiB | 0 bytes/s, done.
Total 16 (delta 6), reused 0 (delta 0)
remote: Resolving deltas: 100% (6/6), completed with 6 local objects.
To https://github.com/RanganaDe/openmrs-core.git
 42b4339fa..1c4ba0c7d TRUNK-5212 -> TRUNK-5212
```

#### **14. Pull request for one method in programWorkflowService created**

Pull request for TRUNK -5121 <https://github.com/openmrs/openmrs-core/pull/2246>

The screenshot shows the GitHub interface for a pull request. At the top, the repository is identified as 'openmrs / openmrs-core'. Navigation tabs include 'Code', 'Pull requests' (which is active and shows 7 items), and 'Insights'. On the right, there are buttons for 'Watch' (122), 'Star' (520), and 'Fork' (1,859). The main title of the pull request is 'TRUNK-5212: add tests to ProgramWorkflowService.getProgramsByConcept #2246'. Below the title, a green 'Open' button is visible, followed by the text 'RanganaDe wants to merge 1 commit into openmrs:master from RanganaDe:TRUNK-5212'. A summary bar shows 'Conversation 0', 'Commits 1', and 'Files changed 2', with a net change of '+44 -2' lines. A section titled 'Commits on Sep 24, 2017' contains one commit: 'TRUNK-5212: add tests to ProgramWorkflowService.getProgramsByConcept' by RanganaDe, committed an hour ago. The commit hash '1c4ba0c' is displayed next to a code icon.

#### **15. Conveying Pull request details.**

On the previous issue from which I created a separate issues targeting only a specific task.

The screenshot shows a comment from 'Rangana De Silva' added 2 minutes ago. The comment text reads: 'Ivo Ulrich I've made a PR on <https://issues.openmrs.org/browse/TRUNK-5212> regarding adding test cases to ProgramWorkflowService and would appreciate your feedback! <https://github.com/openmrs/openmrs-core/pull/2246> Thanks. 😊'. The comment is displayed in a light blue box with a dropdown arrow on the left and a code icon on the right.

On the issue I created,

Reported by Me

Save as

Project: All

Type: All

Status: All

Assignee: All

Contains text

More

Advanced

Reporter: Current User

Order by Created

TRUNK-5212

Add test case for ProgramWorkFlo...

2. Verify creation of program object.

3. Invoke getProgramsByConcept and verify whether the returned program object(s) have the same concept object.

Activity

AllCommentsWork LogHistoryActivity

Rangana De Silva added a comment - 7 minutes ago

Daniel Kayiwa I've made a PR on this issue and waiting for your feedback!  
<https://github.com/openmrs/openmrs-core/pull/2246>

Activity

AllCommentsWork LogHistoryActivity

Rangana De Silva added a comment - Yesterday 17:44:00 GMT+0000

Daniel Kayiwa I've made a PR on this issue and waiting for your feedback!  
<https://github.com/openmrs/openmrs-core/pull/2246>

Daniel Kayiwa added a comment - Today 18:43:00 GMT+0000

Rangana De Silva did you see the travis failure on your pull request?  
Did you also take a look at this? <https://wiki.openmrs.org/display/docs/Pull+Request+Tips>

Rangana De Silva added a comment - 13 minutes ago - edited

Daniel Kayiwa Thank you for the comment and link. I Updated the PR  
<https://github.com/openmrs/openmrs-core/pull/2246>

Each test is supposed to either 1) start with 'should' or 2) contain '\_should'.

```
@Test
public void shouldStartWithShould() {

    List<Class<?>> classes = getTestClasses();

    for (Class<?> currentClass : classes) {
        for (Method method : currentClass.getMethods()) {

            // make sure every "test" method (determined by having
            // the @Test annotation) starts with "testShould"
            if (method.getAnnotation(Test.class) != null) {
                String methodName = method.getName();

                boolean passes = methodName.startsWith("should") || methodName.contains("_should");
                assertTrue(currentClass.getName() + "#" + methodName
                    + " is supposed to either 1) start with 'should' or 2) contain '_should' but it doesn't", passes);
            }
        }
    }
}
```

After correcting the naming convention and pushing to the same branch,

```
wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git status
On branch TRUNK-5212
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   api/src/test/java/org/openmrs/api/ProgramWorkflowServiceTest
.java

no changes added to commit (use "git add" and/or "git commit -a")

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git config --global http.proxy http://e13058:1etitbegin@cachex.pdn.ac.lk:3128

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git config --global --get http.proxy
http://e13058:1etitbegin@cachex.pdn.ac.lk:3128

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git remote -v
origin  https://github.com/RanganaDe/openmrs-core.git (fetch)
origin  https://github.com/RanganaDe/openmrs-core.git (push)
upstream https://github.com/openmrs/openmrs-core.git (fetch)
upstream https://github.com/openmrs/openmrs-core.git (push)

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git add --all


wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git status
On branch TRUNK-5212
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)


        modified:   api/src/test/java/org/openmrs/api/ProgramWorkflowServiceTest
.java

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git commit -m "TRUNK-5212: add tests to ProgramWorkflowService.getProgramsByCo
ncept"
[TRUNK-5212 a0e1bcdd1] TRUNK-5212: add tests to ProgramWorkflowService.getProgra
msByConcept
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git push origin TRUNK-5212
Counting objects: 10, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (8/8), done.
Writing objects: 100% (10/10), 807 bytes | 0 bytes/s, done.
Total 10 (delta 4), reused 0 (delta 0)
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/RanganaDe/openmrs-core.git
   b2c7e8691..a0e1bcdd1  TRUNK-5212 -> TRUNK-5212
wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$
```

and more commits by pushing to the TRUNK-5212 branch on RanganaDe/openmrs-core






All checks have passed

3 successful checks


Hide all checks



codacy/pr

— Good work! A positive pull request.


Details



continuous-integration/travis-ci/pr

— The Travis CI build passed


Details



coverage/coveralls

— Coverage increased (+0.1%) to 56.664%

Details



This branch has no conflicts with the base branch

Only those with [write access](#) to this repository can merge pull requests.

Travis has a very nice feature to check for errors in the pull request. When a pull request is made it automatically runs a “mvn clean install” to see if it builds successfully.

## Travis

[https://travis-ci.org/openmrs/openmrs-core/builds/279452518?utm\\_source=github\\_status&utm\\_medium=notification](https://travis-ci.org/openmrs/openmrs-core/builds/279452518?utm_source=github_status&utm_medium=notification)




## 16.Updating fork

Git fetch --all

```
$ git fetch --all
fetching origin
remote: counting objects: 956, done.
remote: compressing objects: 100% (46/46), done.
remote: total 956 (delta 379), reused 433 (delta 376), pack-reused 516
receiving objects: 100% (956/956), 281.72 kila | 196.00 kila/s, done.
resolving deltas: 100% (434/434), completed with 227 local objects.
from https://github.com/openmrs/openmrs-core
 5c7d27477..42b4339fa master    => origin/master
 447f1688b..1b75e0733 1.10.x   => origin/1.10.x
 47e151335..093563e2f 1.11.x   => origin/1.11.x
 504a19db5..bdf6d4b92 1.12.x   => origin/1.12.x
 6cc36f77a..370584cd7 2.0.x    => origin/2.0.x
 799308643..7ee5c9666 2.1.x    => origin/2.1.x
* [new branch]      trunk-5180 => origin/trunk-5180
* [new branch]      trunk-5211 => origin/trunk-5211
fetching upstream
from https://github.com/openmrs/openmrs-core
* [new branch]      1.10.x      => upstream/1.10.x
* [new branch]      1.11.x      => upstream/1.11.x
* [new branch]      1.12.x      => upstream/1.12.x
* [new branch]      1.4.x       => upstream/1.4.x
* [new branch]      1.5.x       => upstream/1.5.x
* [new branch]      1.6.x       => upstream/1.6.x
* [new branch]      1.7.x       => upstream/1.7.x
* [new branch]      1.8.x       => upstream/1.8.x
* [new branch]      1.9.x       => upstream/1.9.x
* [new branch]      2.0.x       => upstream/2.0.x
* [new branch]      2.1.x       => upstream/2.1.x
* [new branch]      trunk-4487  => upstream/trunk-4487
* [new branch]      trunk-5180  => upstream/trunk-5180
* [new branch]      trunk-5211  => upstream/trunk-5211
* [new branch]      ajax-dashboard => upstream/ajax-dashboard
* [new branch]      approximate-datetime => upstream/approximate-datetime
* [new branch]      centralized-auditing => upstream/centralized-auditing
* [new branch]      gci-2014      => upstream/gci-2014
* [new branch]      gci-2015      => upstream/gci-2015
* [new branch]      global-property-types => upstream/global-property-types
* [new branch]      hibernate-search => upstream/hibernate-search
* [new branch]      h17-nkl       => upstream/h17-nkl
* [new branch]      improved-person-attribute-type => upstream/improved-person-attribute-type
* [new branch]      master        => upstream/master
* [new branch]      metadata-localization => upstream/metadata-localization
* [new branch]      moduleadmin    => upstream/moduleadmin
* [new branch]      obs-codes-expanded => upstream/obs-codes-expanded
* [new branch]      order-entry     => upstream/order-entry
* [new branch]      revert-1134-trunk-2888 => upstream/revert-1134-trunk-2888
* [new branch]      revert-1143-revert-1134-trunk-2888 => upstream/revert-1143-revert-1134-trunk-2888
* [new branch]      revert-1186-gci-9    => upstream/revert-1186-gci-9
* [new branch]      revert-1408-trunk-4522 => upstream/revert-1408-trunk-4522
* [new branch]      revert-1436-todo_branch => upstream/revert-1436-todo_branch
* [new branch]      revert-1616-1.11.x   => upstream/revert-1616-1.11.x
* [new branch]      revert-1736-trunk-4813 => upstream/revert-1736-trunk-4813
* [new branch]      revert-1753-revert-1750-trunk-50 => upstream/revert-1753-revert-1750-trunk-50
* [new branch]      structured-numeric   => upstream/structured-numeric
* [new branch]      test                  => upstream/test
```

## 17. Started working on a new Bug [TRUNK - 5047](#)

 OpenMRS Core / TRUNK-5047

Replace duplication in UserServiceImpl by StringUtils

Edit

Comment

Agile Board

More

Unassign

Request Code Review

Workflow

Details

Type: Bug

Priority: Should

Affects Version/s: None

Component/s: None

Labels: hackathon-germany

Complexity: Low

Status: IN PROGRESS

Resolution: Unresolved

Fix Version/s: None

Description

Duplicate code here  
<https://github.com/openmrs/openmrs-core/blob/master/api/src/main/java/org/openmrs/api/impl/UserServiceImpl.java#L529-L531>  
and  
<https://github.com/openmrs/openmrs-core/blob/master/api/src/main/java/org/openmrs/api/impl/UserServiceImpl.java#L550-L552>  
can be replaced with apache commons StringUtils.replace which does just that  
<https://commons.apache.org/proper/commons-lang/javadocs/api-release/org/apache/commons/lang3/StringUtils.html#replace-java.lang.String-java.lang.String-java.lang.String-String->

People

Assignee: Rangana De Silva

Reporter: Ivo Ulrich

Votes: Vote for this issue

Watchers: Stop watching this issue

HipChat discussions

Dedicated room: Create a room Choose a room

Other rooms: Issue mentioned in 0 rooms

Dates

Created: 2017-02-16 13:03:00 GMT+0000

Updated: 6 minutes ago

Agile

View on Board

## 18. Assigned to myself

All	Comments	Work Log	History	Activity
Ivo Ulrich created issue - 2017-02-16 13:03:00 GMT+0000				
Ivo Ulrich made changes - 2017-02-16 13:03:00 GMT+0000				
Field	Original Value	New Value		
Priority	TBD [ 6 ]	Should [ 3 ]		
Daniel Kayiwa made changes - 2017-02-20 07:51:00 GMT+0000				
Status	Needs Assessment [ 10018 ]	Ready for Work [ 10007 ]		
Prabodh Kotasthane made changes - 2017-02-22 19:35:00 GMT+0000				
Status	Ready for Work [ 10007 ]	In Progress [ 3 ]		
Assignee		Prabodh Kotasthane [ pkatopenmrs ]		
Prabodh Kotasthane made changes - 2017-03-28 13:53:00 GMT+0000				
Assignee	Prabodh Kotasthane [ pkatopenmrs ]			
Status	In Progress [ 3 ]	Ready for Work [ 10007 ]		
Ivo Ulrich made changes - 2017-04-20 06:22:00 GMT+0000				
Rank		Ranked lower		
Ivo Ulrich made changes - 2017-04-21 15:53:00 GMT+0000				
Rank		Ranked lower		
Rangana De Silva made changes - 9 minutes ago				
Status	Ready for Work [ 10007 ]	In Progress [ 3 ]		
Assignee		Rangana De Silva [ rangana ]		

## 19.Created a separate branch “TRUNK -5047” for the issue in my repo.

```
wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5212)
$ git checkout -b TRUNK-5047
Switched to a new branch 'TRUNK-5047'

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5047)
$ git status
On branch TRUNK-5047
nothing to commit, working tree clean

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5047)
```

## 20. Understanding the Issue

Task is to replace duplication in UserServiceImpl by the use of StringUtils.

**StringUtils** handles null input Strings quietly. That is to say that a null input will return null. Where a boolean or int is being returned details vary by method. A side effect of the null handling is that a NullPointerException should be considered a bug in StringUtils. Methods in this class give sample code to explain their operation. The symbol \* is used to indicate any input including null.

One method we can use for this particular task to replace duplications ,

```
public static String replace(String text, String searchString,String replacement)
```

Replaces all occurrences of a String within another String.

A null reference passed to this method is a no-op.

```
StringUtils.replace(null, *, *)    = null
StringUtils.replace("", *, *)      = ""
StringUtils.replace("any", null, *) = "any"
StringUtils.replace("any", *, null) = "any"
StringUtils.replace("any", "", *)   = "any"
StringUtils.replace("aba", "a", null) = "aba"
StringUtils.replace("aba", "a", "")  = "b"
StringUtils.replace("aba", "a", "z") = "zbz"
```

Parameters:

text - text to search and replace in, may be null

searchString - the String to search for, may be null



replacement - the String to replace it with, may be null

Returns: the text with any replacements processed, null if null String input

In the implementation code they have used `string.replace` method as shown below,

```
@Override
@Transactional(readOnly = true)
public Integer getCountOfUsers(String name, List<Role> roles, boolean includeRetired) {
    if (name != null) {
        name = name.replace(" ", "");
    }
}
```

- The `String.replace()` method you linked to takes two char values, so it only ever replaces one character with another (possibly multiple times, 'though).
- The `StringUtils.replace()` method on the other hand takes String values as the search string and replacement, so it can replace longer substrings.

Hence, this can be replaced with `StringUtils.replace` as a solution to the above mentioned bug.

## 21. Modifying the Code

Modified code segments,

- 

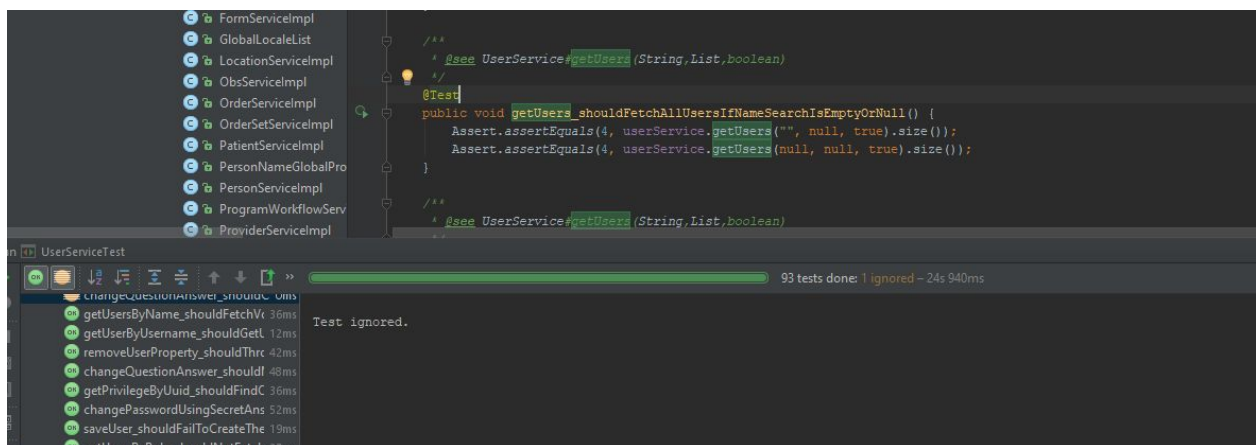
```
@Override
@Transactional(readOnly = true)
public Integer getCountOfUsers(String name, List<Role> roles, boolean includeRetired) {
    if (name != null) {
        name = StringUtils.replace(name, ",", "");
    }
}
```

- 

```
@Transactional(readOnly = true)
public List<User> getUsers(String name, List<Role> roles, boolean includeRetired, Integer start, Integer length)
    throws APIException {
    if (name != null) {
        name = StringUtils.replace(name, ",", "");
    }
}
```

## 22. Testing (success)

Ran userServiceTest.java after modifications and it was successful.



## 23.Pushing to the newly created branch TRUNK-5047

```
wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5047)
$ git status
On branch TRUNK-5047
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   api/src/main/java/org/openmrs/api/impl/UserServiceImpl.java

no changes added to commit (use "git add" and/or "git commit -a")

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5047)
$ git add --all

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5047)
$ git status
On branch TRUNK-5047
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   api/src/main/java/org/openmrs/api/impl/UserServiceImpl.java

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5047)
$ git remote -v
origin  https://github.com/RanganaDe/openmrs-core.git (fetch)
origin  https://github.com/RanganaDe/openmrs-core.git (push)
upstream https://github.com/openmrs/openmrs-core.git (fetch)
upstream https://github.com/openmrs/openmrs-core.git (push)

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5047)
$ git commit -m "TRUNK-5047 : Replace duplication in UserServiceImpl by StringUtils "
[TRUNK-5047 7ea904e32] TRUNK-5047 : Replace duplication in UserServiceImpl by StringUtils
1 file changed, 3 insertions(+), 2 deletions(-)

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5047)
$ git push origin TRUNK-5047
Counting objects: 11, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (9/9), done.
Writing objects: 100% (11/11), 927 bytes | 0 bytes/s, done.
Total 11 (delta 5), reused 0 (delta 0)
remote: Resolving deltas: 100% (5/5), completed with 5 local objects.
To https://github.com/RanganaDe/openmrs-core.git
 * [new branch]      TRUNK-5047 -> TRUNK-5047

wedding@A MINGW64 /e/MRS/openmrs-core (TRUNK-5047)
```

## 24. Pull request and compare

OpenMRS API and web application code <http://openmrs.org>

Edit

[Add topics](#)

🕒 10,276 commits

🌿 40 branches

📦 125 releases

👤 268 contributors

Your recently pushed branches:

🌿 TRUNK-5047 (10 minutes ago)

🔍 Compare & pull request

### Trunk 5047 : Replace duplication in UserServiceImpl by StringUtils #2250

Edit

🔍 Open RanganaDe wants to merge 4 commits into `openers:master` from `RanganaDe:TRUNK-5047`

💬 Conversation 0

🔗 Commits 4

📄 Files changed 4

+48 -5



RanganaDe commented just now

+ 🗨️ ✎️

#### Description of what I changed

The `String.replace()` method currently used takes two char values, so it only ever replaces one character with another (possibly multiple times, though).

The `StringUtils.replace()` method, on the other hand, takes String values as the search string and replacement, so it can replace longer substrings.

Hence, this can be replaced with `StringUtils.replace` as a solution to the above-mentioned bug.

#### Issue I worked on

TRUNK-5047 Replace duplication in UserServiceImpl by StringUtils

#### Checklist: I completed these to help reviewers :)

- ☒ My pull request only contains ONE single commit
- ☒ My IDE is configured to follow the [code style](#) of this project.
- ☒ Tested Changes with the already created `userServiceTest` test class
- ☒ I ran `mvn clean package` right before creating this pull request and added all formatting changes to my commit.

#### Reviewers

No reviews

#### Assignees

No one assigned

#### Labels

None yet

#### Projects

None yet

#### Milestone

No milestone

#### Notifications

🔔 Unsubscribe

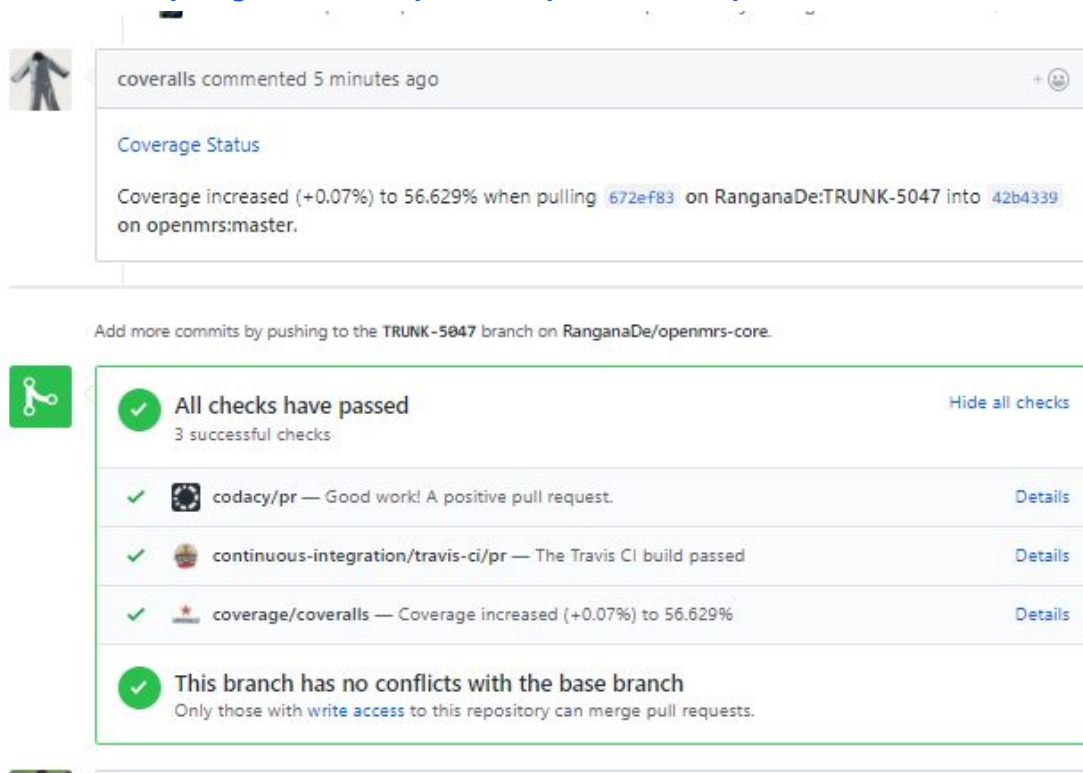
You're receiving notifications because you authored the thread.

1 participant



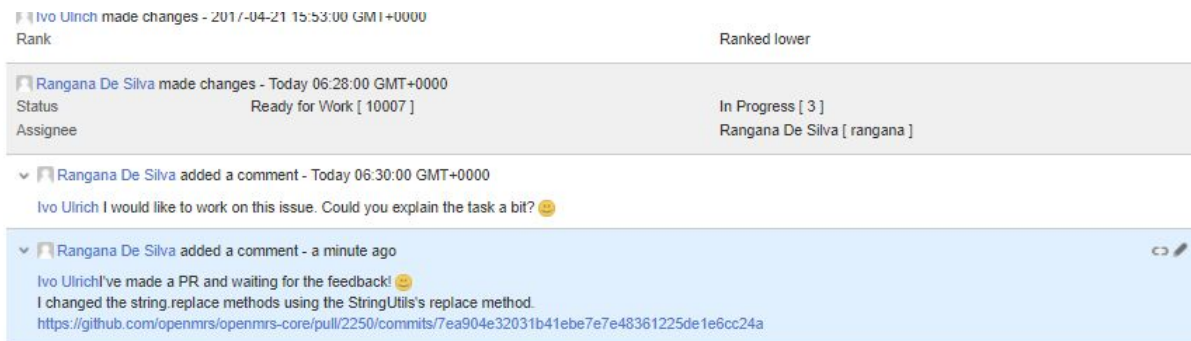
## 25. Successful pull request

Changes made : <https://github.com/openmrs/openmrs-core/pull/2251>



The screenshot shows a GitHub pull request interface. At the top, a comment from 'coveralls' states: 'Coverage Status' and 'Coverage increased (+0.07%) to 56.629% when pulling 672ef83 on RanganaDe:TRUNK-5047 into 42b4339 on openmrs:master.' Below this, a green box indicates 'All checks have passed' with '3 successful checks'. The checks listed are: 'codacy/pr' (Good work! A positive pull request.), 'continuous-integration/travis-ci/pr' (The Travis CI build passed), and 'coverage/coveralls' (Coverage increased (+0.07%) to 56.629%). At the bottom, a green box states 'This branch has no conflicts with the base branch'.

## 26. Conveying the issue owner about the PR



The screenshot shows a GitHub issue thread. At the top, a comment from 'Ivo Ulrich' states: 'I would like to work on this issue. Could you explain the task a bit?'. Below this, a comment from 'Rangana De Silva' states: 'Ivo Ulrich I've made a PR and waiting for the feedback! I changed the string.replace methods using the StringUtils's replace method. https://github.com/openmrs/openmrs-core/pull/2250/commits/7ea904e32031b41e7e7e48361225de1e6cc24a'.

**27.Merged my pull request on TRUNK-5047 by Wluyima and the ticket was also closed.**

[OPENMRS-JIRA] (TRUNK-5047) Replace duplication in  
UserServiceImpl by StringUtils



Inbox x



Wyclif Luyima via OpenMRS Issues

10:20 PM (6 hours ago)



to me ▾



Wyclif Luyima stopped work on TRUNK-5047

Change By: Wyclif Luyima

Status: In Progress Code Review (Initial)

Fix Version/s: Platform 2.2.0

Add Comment

This message was sent by Atlassian JIRA (v6.2.1#6256)



Wyclif Luyima stopped work on TRUNK-5047

Merged at f9ca2af33ea246c03f23bc1f177c88c7209c0fae

Thanks Rangana De Silva!

Change By: Wyclif Luyima

Status: Code Review ( Initial Post-Commit )

Add Comment


This message was sent by Atlassian JIRA (v6.2.1#6256)



to me ▾



Wyclif Luyima **closed** an issue as **Fixed**

OpenMRS Core /  TRUNK-5047

## Replace duplication in UserServiceImpl by StringUtils

Change By: Wyclif Luyima

Status: ~~Code Review (Post-Commit)~~ **Closed**

Resolution: **Fixed**

 [Add Comment](#)

### [Merge link TRUNK-5047](#)

#### Activity

[All](#) [Comments](#) [Work Log](#) [History](#) [Activity](#)

▼  Rangana De Silva added a comment - 2017-09-27 06:30:00 GMT+0000

Ivo Ulrich I would like to work on this issue. Could you explain the task a bit? 😊

▼  Rangana De Silva added a comment - 2017-09-27 09:24:00 GMT+0000

Ivo Ulrich I've made a PR and waiting for the feedback! 😊  
I changed the string.replace methods using the StringUtils's replace method.  
<https://github.com/openmrs/openmrs-core/pull/2250/commits/7ea904e32031b41ebe7e7e48361225de1e6cc24a>

▼  Rangana De Silva added a comment - 2017-09-27 17:38:00 GMT+0000

Ivo Ulrich I close the above PR and created a new one. Extremely sorry for the inconvenience caused earlier. Please refer to this!  
<https://github.com/openmrs/openmrs-core/pull/2251>

▼  Wyclif Luyima added a comment - Yesterday 16:50:00 GMT+0000

Merged at [f9ca2af33ea246c03f23bc1f177c88c7209c0fae](#)

Thanks Rangana De Silva!

openmrs / openmrs-core

Watch 122Star 524Fork 1,862

CodePull requests 15Insights

### Merge pull request #2251 from RanganaDe/TRUNK-5047

[Browse files](#)

TRUNK-5047: Replace duplication in UserServiceImpl class by StringUtils

master (#2251)

wluyima committed on GitHub 7 hours ago

2 parents 42b4339 + 672ef83 commit f9ca2af33ea246c03f23bc1f177c88c7209c0fae

Showing 1 changed file with 3 additions and 2 deletions.

UnifiedSplit

5 api/src/main/java/org/openmrs/api/impl/UserServiceImpl.java

View

```
@@ -18,6 +18,7 @@
18      import java.util.Set;
19      import java.util.Vector;
20
21      +import org.apache.commons.lang3.StringUtils;
22      import org.openmrs.Person;
23      import org.openmrs.Privilege;
24      import org.openmrs.PrivilegeListener;
@@ -560,7 +561,7 @@ public User getUserByUuid(String uuid) throws APIException {
```

openmrs / openmrs-core

Watch 122Star 524Fork 1,862

CodePull requests 15Insights

Branch: master

Commits on Sep 28, 2017



Merge pull request #2251 from RanganaDe/TRUNK-5047  
wluyima committed 7 hours ago



f9ca2af

