

SOFTWARE PROCESS MANAGEMENT

PROJECT FINAL REPORT

RSS OWL - DESCRIPTION

- Project Short Description: RSS Owl is an open source news reader (Atom, RSS)
 - Current Version : 2.0.6
 - Platform : MacOs X, Linux and Windows
 - License: Eclipse Public License
 - Technologies : Build on Eclipse RCP 3.4.2 , db4o, Java
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- “ RSSOwl lets you gather, organize, update, and store information from any compliant source in a convenient, easy to use interface, save selected information in various formats for offline viewing and sharing, and much more. It's easy to configure and the best of all: It's platform-independent.”

OUR CONTRIBUTION

- {+} 2 Additions
- {Δ} 3 Modifications
- {-} 1 Deletion

{+} ADDITIONS

- A1: Connect with the Facebook account of the user
 and subscribe to Facebook's friend and personal notifications
- A2 : Connect with the GMail account of the user and
 subscribe to news feed

{Δ} MODIFICATIONS

- M1: Listen attached mp3 in the news reader 
- M2: Implement Facebook Like Button 
- M3: Adding Options to Preference Panel

{-} DELETION

- D1 : Mark a message as Read/Unread

USER STORIES COLLECTION

ID	User Story Title	Description
Unique ID	Short and descriptive title for each user story	Description of the intent of the user story
Priority		
1	1 Acquire Knowledge , Project exploring	The user can run the program under eclipse and see the application on facebook .
2	1 Authorization Panel creation (FB)	The user will be able to enter and save his Facebook credential . (A1)
3	1 Retrieve FB friends feeds	The user can view the feeds associated to Facebook updates. (A1)
4	3 Implement the gmail feed (pt. 1)	The user will be able to enter and save his gmail credential (A2)
5	3 Implement the gmail feed (pt. 2)	The user can read the feed channel associated with Gmail account.(A2)
6	2 Find an audio player	The user can try the audio player with a given URL outside RSSOwl.(M1)
7	2 Embed the player	If a mp3 file is enclosed into an rss item, then the user will be able to play it inside the product.(M1)
8	3 Add the FB "Like" button to items	The user will be able to use the Facebook "Like" button for each rss item.(M2)
9	1 Feature Deletion	The user cannot mark messages as "read" or "unread" .(D1)
10	2 Preferences pane	The user can edit some options about our features in the RSSOwl 's preference panel.(M3)

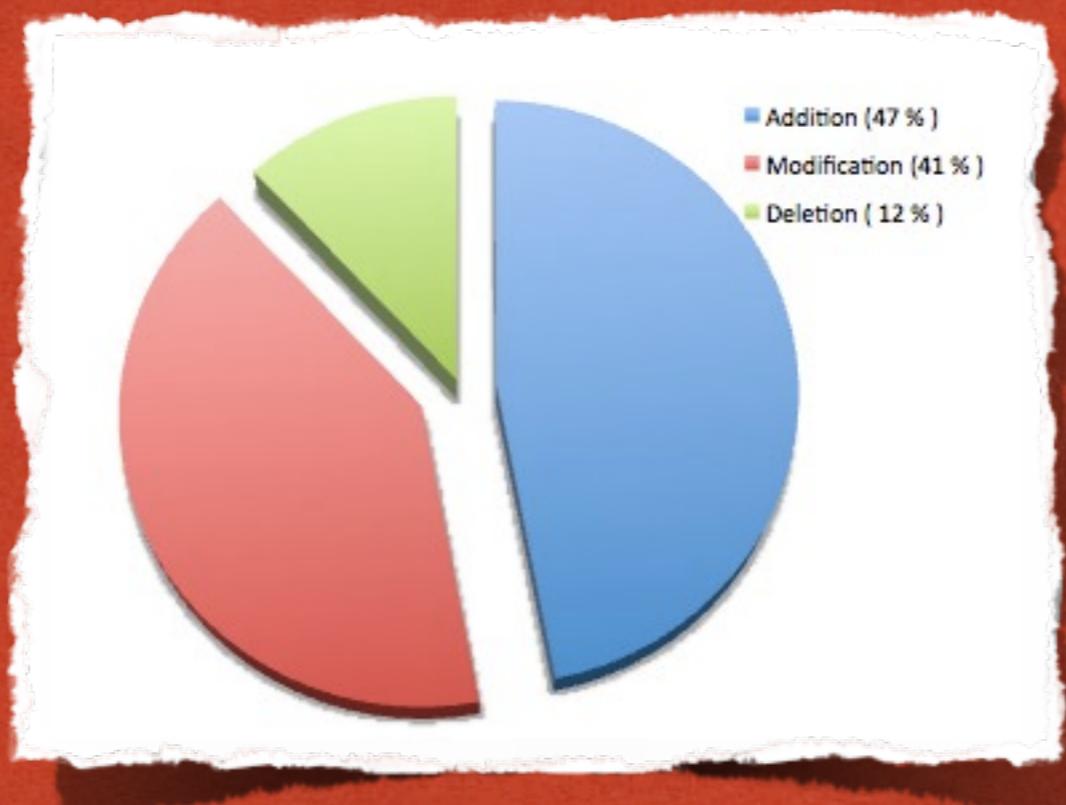
EFFORT ESTIMATION

- Total Actual time : 106.5
- Total Estimated time : 107.5
- Total gap (absolute value) : 10 hrs

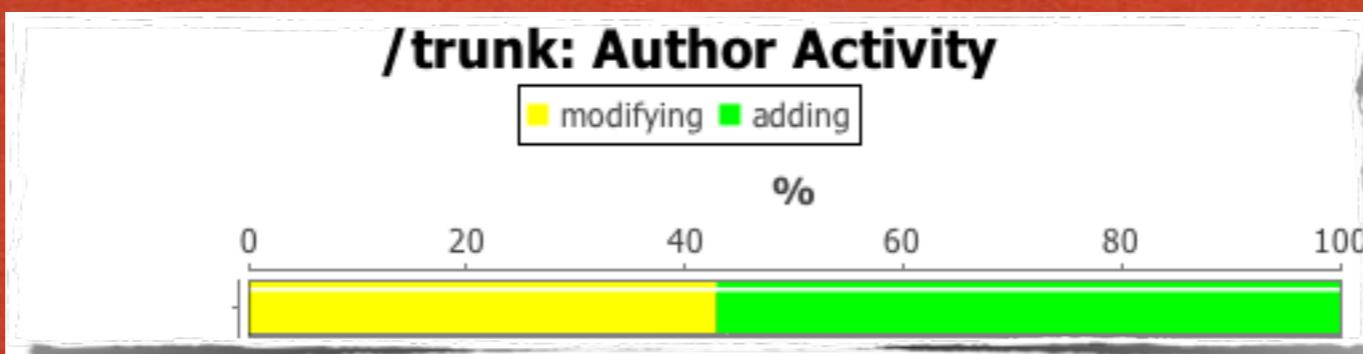
ID	Feature description	Actual time (hrs)	Total Percentage
A1	Facebook Feeds	34	36.96%
A2	Gmail Feeds	8.5	9.24%
M1	Audio player	20	21.74%
M2	Facebook like button	9	9.78%
M3	Preference Panel	10.5	11.41%
D1	Mark as read/unread	10	10.87%

EFFORT EVALUATION

Effort by addition / modification / deletion



REPOSITORY OVERVIEW



File types

Type	Files	LOC	LOC per file
*.java	698 (23.9%)	172624 (61.6%)	247.3
*.xml	257 (8.8%)	77495 (27.7%)	301.5
*.xpm	1 (0.0%)	5747 (2.1%)	5747.0
*.xsd	22 (0.8%)	2721 (1.0%)	123.6
*.properties	48 (1.6%)	2707 (1.0%)	56.3
*.prefs	26 (0.9%)	1712 (0.6%)	65.8
*.html	21 (0.7%)	969 (0.3%)	46.1
*.txt	7 (0.2%)	829 (0.3%)	118.4
*.opml	12 (0.4%)	827 (0.3%)	68.9
*.nsi	1 (0.0%)	354 (0.1%)	354.0
Others	46 (1.6%)	14133 (5.0%)	307.2
Non-Code Files	1781 (61.0%)	0 (0.0%)	0.0
Totals	2920 (100.0%)	280118 (100.0%)	95.9

REPOSITORY REVISIONS

Total # of revisions: **160**

Most reviewed files

Average number of revision per sprint: **16**

File	Revisions
❑ org.rssowl.ui/src/org/rssowl/ui/internal/actions/FacebookAuthenticationAction.java	21
❑ org.rssowl.ui/plugin.xml	14
❑ org.rssowl.core/src/org/rssowl/core/connection/FacebookAuthentication.java	12
❑ org.rssowl.ui/plugin.properties	11
❑ org.rssowl.ui/src/org/rssowl/ui/internal/dialogs/messages.properties	11
❑ org.rssowl.ui/src/org/rssowl/ui/internal/actions/FacebookProgressListener.java	11
❑ org.rssowl.ui/src/org/rssowl/ui/internal/dialogs/FacebookCredentialDialog.java	10
❑ org.rssowl.core/src/org/rssowl/core/util/SyncUtils.java	10
❑ org.rssowl.core.tests/src/org/rssowl/core/tests/UITests.java	10
❑ org.rssowl.core/src/org/rssowl/core/connection/Messages.java	9
❑ org.rssowl.core/src/org/rssowl/core/connection/messages.properties	9
❑ org.rssowl.core/src/org/rssowl/core/internal/interpreter/AtomInterpreter.java	8
❑ org.rssowl.ui/src/org/rssowl/ui/internal/dialogs/Messages.java	8
❑ org.rssowl.core.tests/src/org/rssowl/core/tests/LocalTests.java	8
❑ org.rssowl.ui/src/org/rssowl/ui/internal/handler/facebookButtonHandler.java	8
❑ org.rssowl.core/src/org/rssowl/core/persist/INews.java	7
❑ org.rssowl.core/src/org/rssowl/core/internal/interpreter/RSSInterpreter.java	7
❑ org.rssowl.ui/src/org/rssowl/ui/internal/Activator.java	7
❑ org.rssowl.core.tests/src/org/rssowl/core/tests/controller/ReloadTestLocal.java	6
❑ org.rssowl.core/src/org/rssowl/core/internal/persist/News.java	6



LOCS REVIEW

Total Added LOCs	Total Deleted LOCs
2671	1851

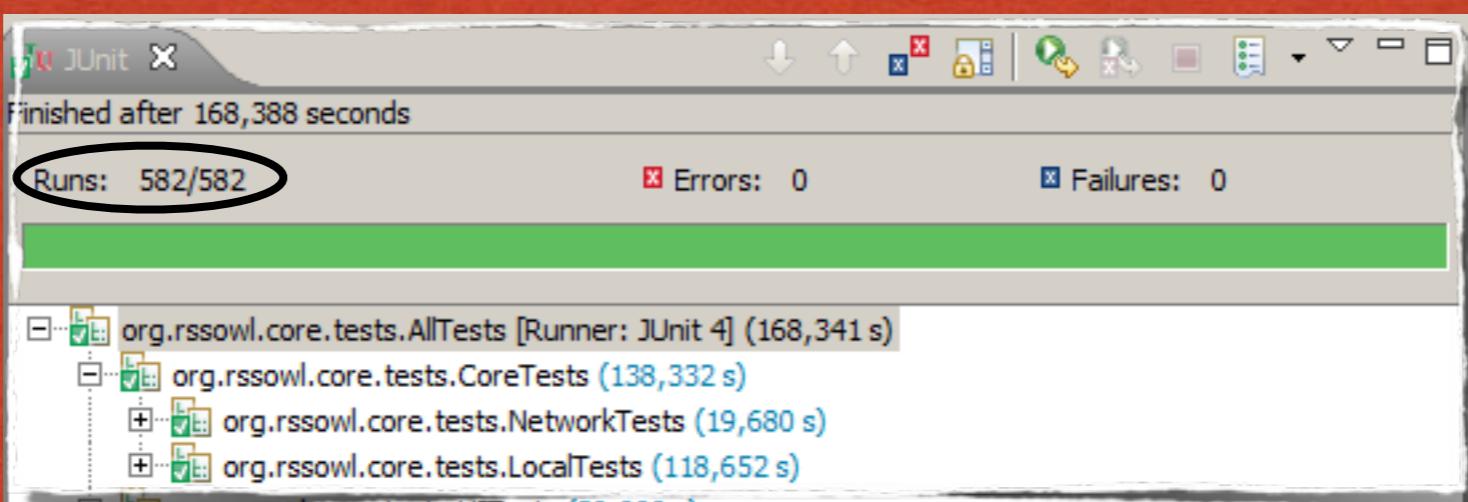
Package name	Original (LOCs)	Before Deletion (LOCs)	Final (LOCs)
core	49254	49821	49698
ui	82372	83543	82874
tests	96058	96991	95932
total	227684	230355	228504

Classes →

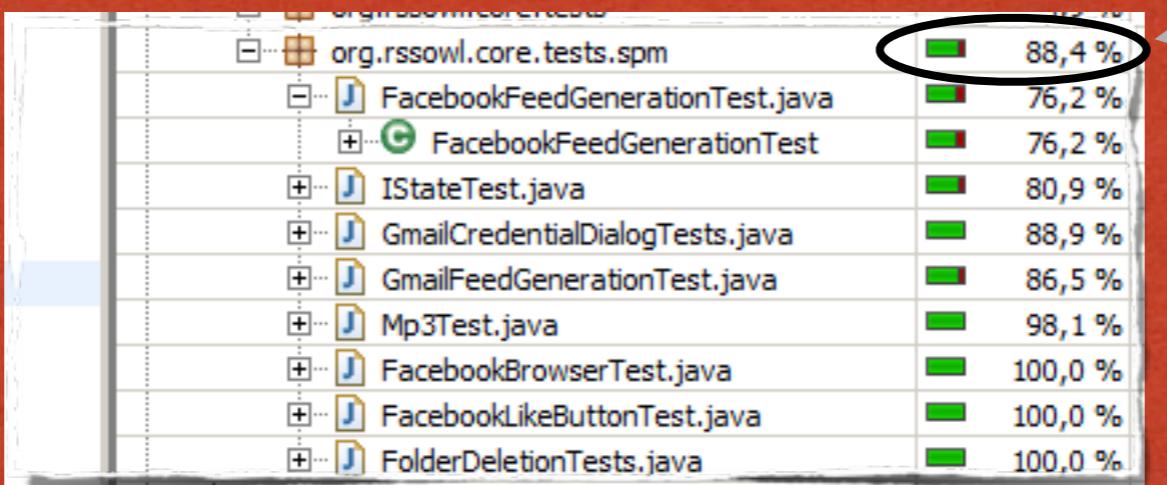
Added	Modified	Deleted
19	28	9

TESTING OVERVIEW

Existing tests



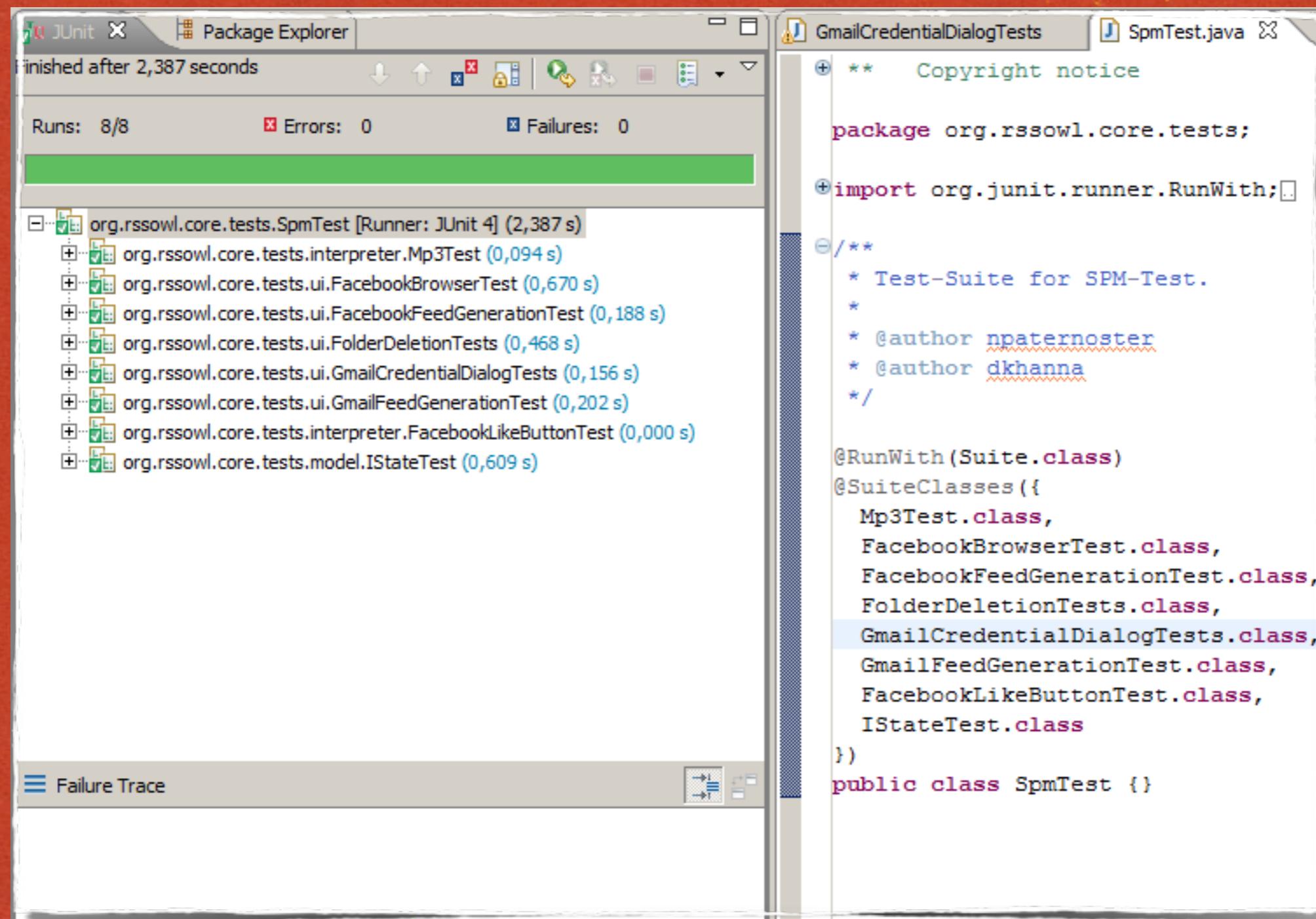
Code Coverage



88,4 %

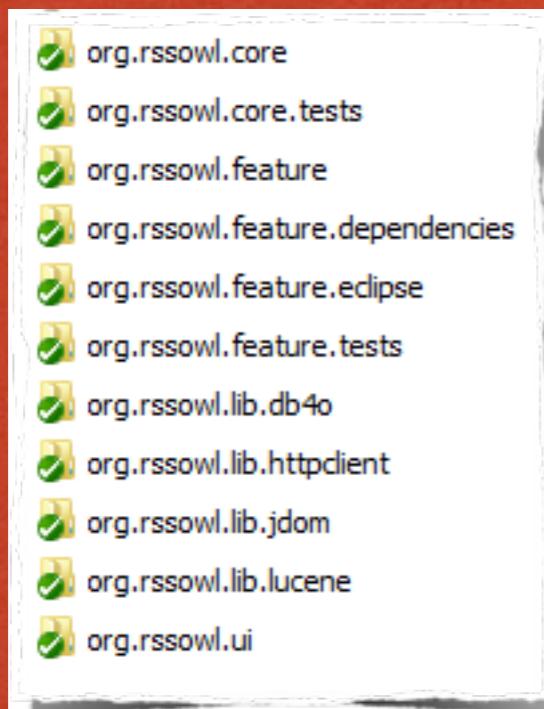
TESTING OVERVIEW

org.rssowl.core.tests



STRUCTURE OVERVIEW

SUB-PROJECTS



Product Release Size

Windows Platform	MacOsX	Linux gtk
21.7 Mb	22.4 Mb	22.1 Mb

ACCEPTANCE TESTS

All the acceptance tests we wrote can be performed successfully

- The user can browse the facebook page associated with our application after we provided the link. (U.S. ID : 1)
- Clicking the *Facebook* button on the RSSOwl's toolbar a Dialog will show up, and the user can start the authorization procedure clicking the "OK" button. (U.S. ID : 2)
- After clicking the "OK" button in the Facebook Dialog, the user will be asked to insert *fb username* and *password* and allow the RSSOwl fb application to access his information. (U.S. ID : 2)
- If the user gives to the facebook application permissions, clicking the "Authenticate" button, the procedure to get the users feed will automatically start and after a few seconds he can see on the side bar a new folder called as *Facebook feeds* with feeds connected to his account. (U.S. ID : 3)
- If the user has already gave fb permission and got the feeds ,when he click again the "Authenticate" button, nothing will happens.(U.S. ID : 2)
- If the user has given proper *facebook* authentication after clicking the *save* button he can see on the side bar a new folder called as *Facebook feeds* with feeds connected to his account. (U.S. ID : 3)
- Clicking the *Gmail* button on the RSSOwl's toolbar the user will be asked to insert *username* and *password* for their gmail credential in the forms and save it using the *save* button . (U.S. ID : 4)
- If the user has already saved the data ,when he click again the *Gmail* button he will see the username and the masked password that he entered before. (U.S. ID : 4)
- If the user has given proper *gmail* authentication after clicking the *save* button he can see on the side bar a new folder called as *Gmail* with feed connected to his gmail account. (U.S. ID : 5)
- Providing a valid URL that points out to an mp3 file, the user will be able to play that file within an HTML page (given by us) with the open source player .(U.S. ID : 6)
- When a rss item has a *rss enclosure* with the *mp3* extension, if the client is connected to the Internet,the user can play the song within RSSOwl (U.S. ID : 7)

USED TOOLS

- Eclipse 3.4.2 for RCP
 - Delta Pack
 - Subclipse
 - EclEmma
 - Argo UML
 - Tortoise SVN
 - Rapid SVN
-
- StatSVN
 - WinMerge
 - loc-calculator
 - Open Source Flash Mp3 Player
 - Facebook Like Button



THE END