OMNIEDITOR PROJECT

PHASE C: BUGZILLA REPORT & TEST PLAN UPDATES

CODENAME: NIRVANA

CSC408F1
Group Members:

Dylan Durdle
Yani Ioannou
Ashish Kaila
Sandy Lam
Gilles Lising
Mark Maglaque

1 Bug Report from Bugzilla (Client Side) 2
1.1 Bugs Report 2
1.2 Severity versus Status 3
1.3 Status versus Resolution 3
2 Updates for Test Plan 4
2.1 Omni Project Build Server 4
2.2 Specifications 4
2.3 Relevant Software 5
2.4 Bug Report from Bugzilla (Server Side) 5
2.4.1 Bugs Report 5
2.4.2 Severity versus Status 6
2.4.3 Status versus Resolution 7
3 Sourceforge 7
Appendix 7
Build Server Log 7

1 Bug Report from Bugzilla (Client Side)

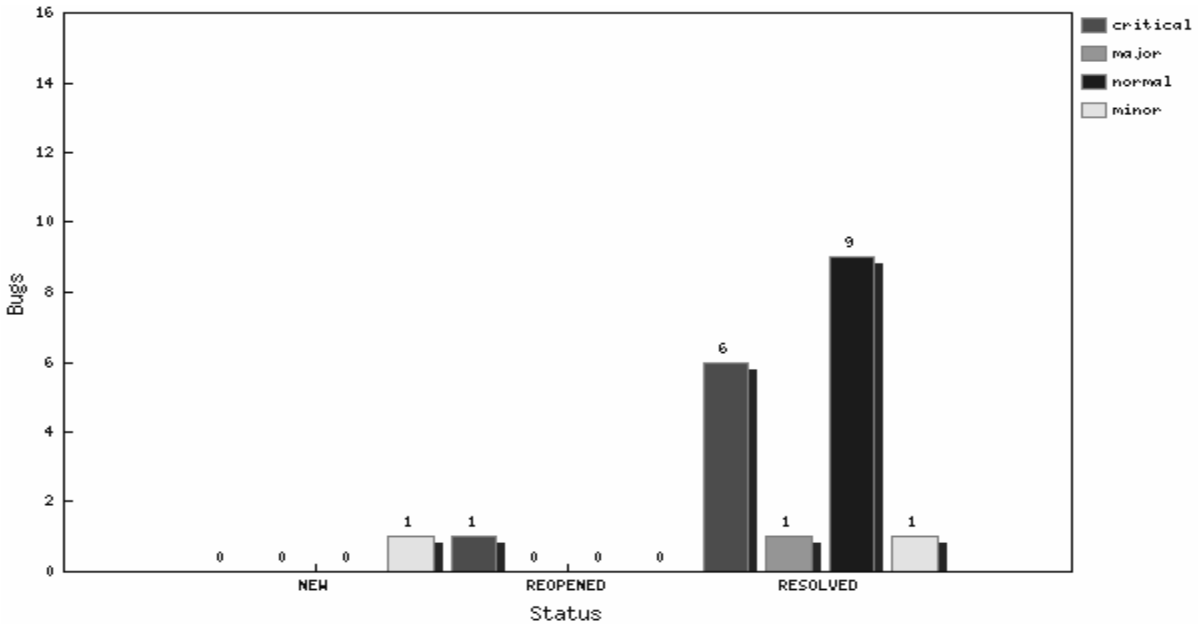
1.1 Bugs Report

The following is the bugs that were entered against the client side implementation:

	Severity	Priority	Platform	Assignee	Summary
1	normal	P2	PC	yani.ioannou@gmail.com	Core: Folder structure
2	normal	P2	PC	yani.ioannou@gmail.com	Core: lockLine()
3	normal	P2	PC	yani.ioannou@gmail.com	Missing from IOmniConnector: insert and delete
4	normal	P2	PC	yani.ioannou@gmail.com	Who is "this user"?
5	normal	P2	PC	yani.ioannou@gmail.com	Who is "this user"?
6	critical	P1	PC	yani.ioannou@gmail.com	Expected authority at index 7: omni://
7	normal	P2	PC	yani.ioannou@gmail.com	Core: Unhandled exceptions
8	critical	P2	PC	ddurdle@gmail.com	Unexpected exception (java.lang.NoClassDefFoundError)
9	minor	P2	PC	ddurdle@gmail.com	Wasting time.
10	normal	P2	PC	ddurdle@gmail.com	Nirvana.validateConnector violates interface specs.
11	critical	P2	PC	ddurdle@gmail.com	Latest CVS version doesn't load - missing required depend...
12	critical	P2	PC	yani.ioannou@gmail.com	Nirvana Connector refuses to retrieve documents when give...
13	normal	P2	PC	yani.ioannou@gmail.com	Ignores project name
14	normal	P2	PC	yani.ioannou@gmail.com	Cosmetic Issue: error messages
15	minor	P2	PC	yani.ioannou@gmail.com	AbstractOmniConnector creates NotImplementedException wit...
16	critical	P2	PC	ddurdle@gmail.com	Nirvana Connector createDocument does not handle fully qu...
17	major	P2	PC	yani.ioannou@gmail.com	Build errors
18	critical	P2	PC	yani.ioannou@gmail.com	Unhandled exception: attempt to download .project from ...
19	critical	P2	PC	ddurdle@gmail.com	Nirvana connector fails to load files if listDocument not...

1.2 Severity versus Status

The following bar chart shows how severe the bugs are and if the developer concerned dealt with the bug or not.



The bar chart indicates that most of the bugs found have been dealt by the developer, except for 2 bugs, one critical and one minor that have not been viewed by the developer yet. But however, these bugs would surely be dealt with within the next 24 hours.

1.3 Status versus Resolution

The table that follows illustrates the status of the bugs, i.e. if the client developer resolved or reopened the bug and what his input about the bug is. That is if he fixed the bug, if not why.

		Status			
		NEW	REOPENED	RESOLVED	Total
Resolution		1	1	.	2
	FIXED	.	.	10	10
	INVALID	.	.	4	4
	WONTFIX	.	.	1	1
	REMIND	.	.	1	1
	DUPLICATE	.	.	1	1
	Total	1	1	17	**19**

The above table shows that most of the bugs found have been fixed, while the others have been found either invalid, won't fix, etc…

2 Updates for Test Plan

2.1 Omni Project Build Server

The build server was run for the duration of the project shortly before the Phase A deliverables were due. It provided a point of contact for interested customers (other groups) as well as a central location for the group's collaboration and development efforts (aside from CVS).

The build server consisted of the following resources all accessible through a web interface, and each synchronized with cdf CVS and built every hour (all done by Cron, shell, sed and ant):

- OmniWebService API (JavaDoc)
- Latest Build and Tests (client only - for customer & internal)
  - included ant build file which:
    1. compiled latest server source code into classes
    2. packaged classes into redistributable jar
    3. ran the JUnit testing quite against the local database server
    4. JBlanket test coverage
    5. locc output (lines of code)
    6. stored the build log in log.xml with an associated XSLT for web browsers

  - if (a) any source failed to build and/or (b) JUnit tests resulted in error, the group was notified immediately by e-mail. Thus this system also sustained a means of stress tests as the database server withstood hourly testing rounds.

- Internal Bugzilla - password protected, e-mail enabled
- Internal JavaDoc (client and server) - password protected
- Internal ViewCVS - password protected
- Hourly backup of CDF CVS, with a 1 week daily archive

Please refer to appendix "Build Server Log" for the output generated by the build server.

2.2 Specifications

- Dual 2.4GHZ Xeon (w/ Hyperthreading)
- Linux Distribution: Gentoo Linux (2004.3)
- (output of uname -a)
- Kernel: 2.6.8-gentoo-r10 SMP
- SATA Raid 0 (2x80GB 7200 RPM), SCSI U160 1x(9GB 10000RPM)

- 512MB@800MHZ RDRAM
- Watercooling System
- 5MB Internet Connection

2.3 Relevant Software

- PostgreSQL
- Tomcat
- Apache
- Ant
- Axis, other jars
- Cron
- Bugzilla
- ViewCVS

2.4 Bug Report from Bugzilla (Server Side)

2.4.1 Bugs Report

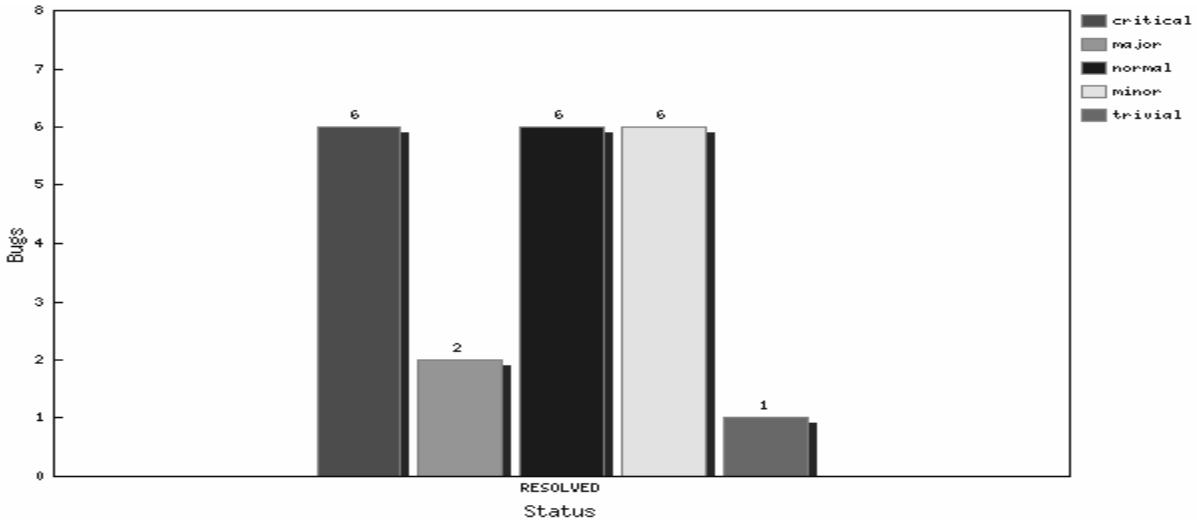
The following is the bugs, before and after "Phase B", that were entered against the server side implementation:

	Severity	Priority	Platform	Assignee	Summary
1	critical	P2	PC	ddurdle@gmail.com	Incomplete update()
2	major	P2	PC	ddurdle@gmail.com	JUnit Tests Fail with message "java.sql.SQLException: ERR...
3	normal	P2	PC	ddurdle@gmail.com	while running JUnit tests: org.postgresql.util.PSQLExcept...
4	normal	P2	PC	ddurdle@gmail.com	AddLine: Wrong return value
5	normal	P2	PC	ddurdle@gmail.com	Bugzilla not e-mailing users
6	normal	P2	PC	gvlvl@hotmail.com	JUnit Testing Fails on test_insert
7	minor	P2	PC	ddurdle@gmail.com	Testing a Document that doesnot exist
8	critical	P1	PC	gvlvl@hotmail.com	Document cannot end in many new lines
9	critical	P1	PC	gvlvl@hotmail.com	Cannot consecutively delete the 1st line of document
10	critical	P1	PC	ddurdle@gmail.com	Loading of document consisting of some empty

					lines
11	trivial	P2	PC	ddurdle@gmail.com	Comment preconditions fell victim to copy/paste error
12	minor	P2	PC	ddurdle@gmail.com	Generic Exception Capture == Bad
13	minor	P2	PC	ddurdle@gmail.com	Calling LockLine twice
14	minor	P2	PC	ddurdle@gmail.com	Error msg for delete()
15	major	P1	PC	gvlvl@hotmail.com	SQL Exception when 'getLine()' on a non-loaded document
16	normal	P2	PC	ddurdle@gmail.com	insert() similar error msg to delete()
17	critical	P1	PC	gvlvl@hotmail.com	getLine doesn't return everything that's on the line..may...
18	critical	P2	PC	ddurdle@gmail.com	getHashCode does not handle nulls
19	normal	P2	PC	ddurdle@gmail.com	File uploads incur false dependencies on existing docs / ...
20	minor	P2	Other	ddurdle@gmail.com	Extra newline ....
21	minor	P2	All	ddurdle@gmail.com	Escaping '

2.4.2 Severity versus Status

The following bar chart shows how severe the bugs are and if the developer concerned dealt with the bug or not.



The previous chart confirms that all the bugs opened against the server have been fixed.

2.4.3 Status versus Resolution

The table that follows illustrates the status of the bugs, i.e. if the server developer resolved the bug and what his output about the bug is. That is if he was able to fix the bug and if not why.

		Status	
		RESOLVED	Total
Resolution	FIXED	16	16
	INVALID	3	3
	WONTFIX	1	1
	DUPLICATE	1	1
	Total	21	**21**

The above table shows that most of the bugs were fixed and those that were not fixed were either invalid, won't fix or duplicate.

3 Sourceforge

https://sourceforge.net/projects/omniproject/

Appendix

Build Server Log

http://yani.wojjie.com/build/log.xml