/Project/GOF Project



Software System Development Rollup Plan Summary

Defect reports

Defect and Yield	Defects In	jected per Hour	Defects Rer	noved per Hour	% Ph	ase Yield	% Pro	cess Yield	
	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	
Project Planning and Oversight	0	0	0	0	0%	#DIV/0!			
Software Development Environment	0	0	0	0	0%	#DIV/0!	#DIV/0!	#DIV/0!	
Detailed Planning	0	0	0	0.02	0%	#DIV/0!	#DIV/0!	#DIV/0!	
System Requirements Analysis	0.25	1.01	0	0	0%	0%	#DIV/0!	#DIV/0!	
System Requirements Review	0	#DIV/0!	#DIV/0!	#DIV/0!	70%	0%	0%	8.33%	
System Requirements Inspection	0	0	0.07	1.2	70%	109%	70%	8.33%	
System Test Preparation	0	#DIV/0!	#DIV/0!	#DIV/0!	0%	#DIV/0!	91.0%	108%	
System Design	0.25	#DIV/0!	#DIV/0!	#DIV/0!	0%	#DIV/0!	91.0%	100%	
System Design Review	0	#DIV/0!	#DIV/0!	#DIV/0!	70%	100%	91.0%	100%	
System Design Inspection	0	#DIV/0!	#DIV/0!	#DIV/0!	70%	#DIV/0!	97.3%	100%	
Software Requirements Analysis	0.25	#DIV/0!	#DIV/0!	#DIV/0!	0%	#DIV/0!	99.2%	100%	h
Software Requirements Review	0	#DIV/0!	#DIV/0!	#DIV/0!	70%	#DIV/0!	99.2%	100%	Very good design inspection.
Software Requirements Inspection	0	#DIV/0!	#DIV/0!	#DIV/0!	70%	#DIV/0!	99.8%	100%	
Software Test Preparation	0	#DIV/0!	#DIV/0!	#DIV/0!	0%	150%	99.9%	100%	Minor code
Software Design	0.25	1.0	0	0	0%	0%	99.9%	106%	mistates, so inexpensive fixes. Low yield, the
Software Design Review	0	0	1.09	2.35	70%	30.8%	35.9%	58.1%	reason is the same - unit testing
Software Design Inspection	0	0	0.09	1.18	70%	88.9%	80.8%	71.0%	was conducted
Detailed Design	2	#DIV/0!	#DIV/0!	#DIV/0!	0%	0%	94.2%	96.8%	on individually developed
Detailed Design Review	0	#DIV/0!	#DIV/0!	#DIV/0!	70%	0%	94.2%	90.9%	components
Detailed Design Inspection	0	#DIV/0!	#DIV/0!	#DIV/0!	70%	0%	98.3%	90.9%	
Code	4	1.63	0	0.23	0%	13.2%	99.5%	90.9%	Low process yield:
Code Review	0	0	5.63	2.7	70%	42.4%	3.24%	51.5%	Possible reason:
Compile	0.3	#DIV/0!	#DIV/0!	#DIV/0!	50%	0%	71.0%	72.1%	we performed unit tests on inidividual
Code Inspection	0	0	3.26	0.78	70%	31.6%	85.5%	72.1%	components
Unit Test	0.2	0	0.24	0.78	50%	61.5%	95.6%	80.9%	before we inspected code in
Unit Integration	0	0	0.43	2.13	50%	120%	96.4%	92.6%	group.
Test Readiness Review	0	#DIV/0!	#DIV/0!	#DIV/0!	0%	0%	98,2%	101%	
									Fixes were pretty —quick. Due to minor defects.

Part of SUMQ

Software Qualification Testing	0	#DIV/0!	#DIV/0!	#DIV/0!	50%	0%	98.2%	101%
System Integration	0	#DIV/0!	#DIV/0!	#DIV/0!	50%	0%	99.1%	101%
System Qualification Testing	0	#DIV/0!	#DIV/0!	#DIV/0!	50%	0%	99.5%	101%
Software Use and Transition Prep	0	#DIV/0!	#DIV/0!	#DIV/0!	0%	0%	99.8%	101%
Miscellaneous	0	#DIV/0!	#DIV/0!	#DIV/0!	0%	0%	99.8%	101%
Postmortem	0	0	0	0	0%	0%	99.8%	101%
Software Use and Transition	0	#DIV/0!	#DIV/0!	#DIV/0!	100%	0%	99.8%	101%
Total	0.82	0.36	0.82	0.36				

Defect Rates	Plan	Actual
AFR	1.23	2.4
Sys Reqts Inspect / Appraisal Rate	0	0
SW Design Review / Appraisal Rate	2.5	9.41
SW Design Inspect / Appraisal Rate	1.14	2.35
Code Review / Appraisal Rate	36.9	104
Code Inspect / Appraisal Rate	57.9	70.3
% Failure COQ	15.9%	6.89%
% Appraisal COQ	19.6%	16.5%
After Development / Defects Removed	0	0

We did good on all appraisal phased.
More than planned appraisal rates indicate the same.

		Defect Fix Tim	nes		
		Defects Found in Test	Defects Found in SW Int Test	Total Defects Found	
	Tot. fix time	-	-	16.4	
Defects Injected in Sys Reqts	Tot. defects	-	-	<u>12</u>	
	Avg. fix time	-	-	1.37	
	Tot. fix time	-	-	0.2	
Defects Injected in Sys Test Prep	Tot. defects	-	-	<u>1</u>	
	Avg. fix time	-	-	0.2	
	Tot. fix time	-	-	1.7	
Defects Injected in SW Test Prep	Tot. defects	-	-	<u>2</u>	
	Avg. fix time	-	-	0.85	
	Tot. fix time	-	-	41.7	
Defects Injected in SW Design	Tot. defects	-	-	<u>14</u>	
	Avg. fix time	-	-	2.98	
	Tot. fix time	-	-	8.6	
Defects Injected in Design	Tot. defects	-	-	2	
	Avg. fix time	-	-	4.3	
	Tot. fix time	20.2	27.3	158.3	
					1

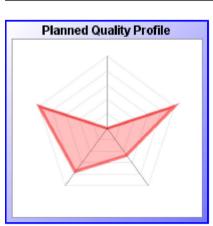
100% requirement inspection yield

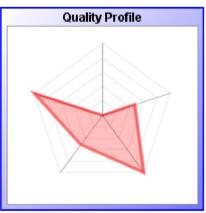
Defects injected in design and found in testing are the most expensive defects

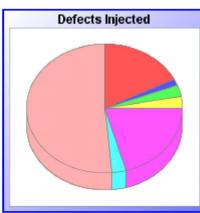
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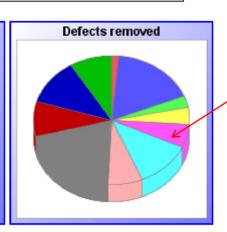
Defeats Injected in Code	Tot. defects	<u>8</u>	<u>6</u>	<u>35</u>
Defects Injected in Code	Avg. fix time	2.52	4.55	4.52
	Tot. fix time	20.2	27.3	279.5
Total Defects Injected	Tot. defects	<u>8</u>	<u>6</u>	<u>69</u>
	Avg. fix time	2.52	4.55	4.05

Total 69 defects.
Took 4.05 mins on avg. to fix a defect.









Complete image is present in the same submission folder.

No Major defect in integration testing

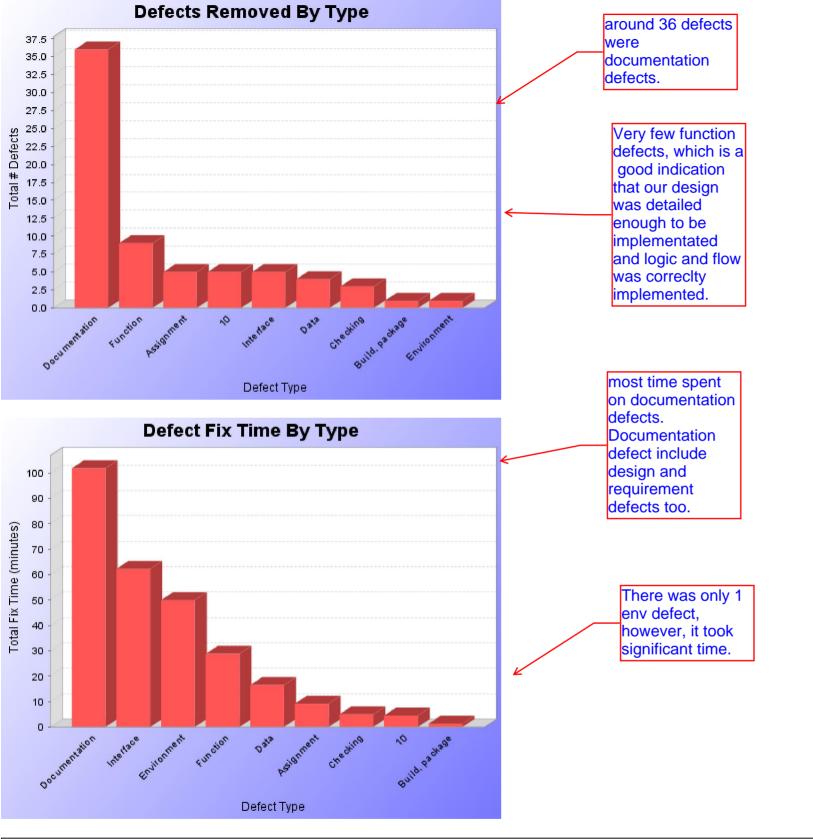
		N	lumber Inject	ed				Pe	ercentage Inje	cted			Num	ber Removed	Percen	tage Removed
Type	Sys Reqts	Sys Test Prep	SW Test Prep	SW Design	Design	Code	Sys Reqts	Sys Test Prep	SW Test Prep	SW Design	Design	Code	Test	SW Int Test	Test	SW Int Test
<u>10</u>	-	<u>1</u>	<u>2</u>	-	-	-	_	100%	100%	-	_	_	-	-	-	-
Assignment	-	_	-	-	<u>1</u>	<u>4</u>	_	-	-	-	50%	11%	<u>2</u>	-	25%	-
Build, package	-	_	-	-	-	<u>1</u>	-	-	-	-	_	3%	-	-	-	-
Checking	-	_	-	-	-	<u>3</u>	-	-	-	-	-	9%	1	-	12%	-
<u>Data</u>	-	_	-	-	-	<u>4</u>	_	-	-	-	_	11%	1	2	12%	33%
Documentation	<u>12</u>	_	-	<u>14</u>	-	<u>10</u>	100%	-	-	100%	-	29%	-	<u>1</u>	-	17%
<u>Function</u>	-	-	-	-	<u>1</u>	<u>8</u>	_	-	-	-	50%	23%	<u>4</u>	-	50%	-
<u>Interface</u>	-	-	-	-	-	<u>5</u>	_	-	-	-	-	14%	_	<u>3</u>	-	50%
<u>Total</u>	<u>12</u>	<u>1</u>	<u>2</u>	<u>14</u>	<u>2</u>	<u>35</u>	100%	100%	100%	100%	100%	100%	<u>8</u>	<u>6</u>	100%	100%

50% function defects in unit testing

50% of the defects
- were user
interface related

Only 14 (8+6) defects found in

Defect Log



Project/Task	Date	ID	Type	Injected	Removed	FixTime	FixDefect	Description
/Project/GOF Project	04/15/2009		10	Sys Design Review	Sys Design Review	1.4		To include change label type for the comparator
/Project/GOF Project	04/15/2009		10	Sys Design Review	Sys Design Review	1.2		Removed the dependency relationship between the UI and comparator for sending commands, as it is routed through the controller
/Project/GOF Project	04/22/2009		Documentation	SW Design	Code	8.1		There was no command class for putting source, destination and output file together. We need to have this. This will cause the UI to set the controller parameters in one click.
/Project/GOF Project/Client/Code Line Counter/Cycle 1	04/04/2009]	Documentation	Sys Reqts	Sys Reqts Inspect	1.4		Team number has a different label.

/Project/GOF Project/Client/Code Line Counter/Cycle 1	04/04/2009
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/Project/GOF Project/Client/Code Line Counter/Cycle 1	04/08/2009
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Documentation	Sys Reqts Sys Regts	Sys Reqts Inspect Sys Reqts Inspect	1.3	=
Documentation		Sys Reqts Inspect	1.4	╡
Documentation		Sys Reqts Inspect	1	╡
Documentation		Sys Reqts Inspect	0.7	╡
Documentation		Sys Reqts Inspect	0.6	╡
Documentation		Sys Reqts Inspect	0.5	=
Documentation		Sys Reqts Inspect	4.7	╡
Documentation		Sys Regts Inspect	1.5	╡
Documentation		Sys Regts Inspect	1.4	=
Documentation		Sys Reqts Inspect	1.4	╡
10	SW Test Prep	SW Test Prep	1.1	- Ye
10	Sys Test Prep	SW Test Prep	0.2	Ye
10	SW Test Prep	SW Test Prep	0.6	Ye
Documentation		SW Design	2	= -`
Documentation	5 W Design	Review		
Documentation	SW Design	SW Design Review	8	
Documentation	SW Design	SW Design Review	6	
Documentation	SW Design	SW Design Review	2	
Documentation	SW Design	SW Design Inspect	3.6	
Documentation	SW Design	SW Design Inspect	0.8	
Documentation	SW Design	SW Design Inspect	2.4	
Documentation	SW Design	SW Design Inspect	1.3	
Documentation	SW Design	SW Design Inspect	0.8	
Documentation	SW Design	SW Design Inspect	1.1	
Environment	Before Development	Planning	50	
Documentation	SW Design	SW Design Inspect	1.1	
Documentation	SW Design	SW Design Inspect	2.2	
Documentation	Code	Code Review	2.9	
Documentation	Code	Code Review	2.3	
Documentation	Code	Code Review	10	
Documentation	Code	Code Review	10.2	
Interface	Code	Code Review	20.7	Π
Interface	Code	Code Review	30.4	
Documentation	SW Design	Code	2.3	
Documentation	Code	Code	4	一
Data	Code	Code Review	1.9	\equiv
Assignment	Code	Code Review	2.5	一
Assignment	Code	Code Review	3	Ħ
Assignment	Design	Code	2.3	Ħ
Checking	Code	Code Review	3.4	Ħ
Checking	Code	Code Review	0.9	╡
Function	Code	Code Review	1.5	\dashv
Function	Code	Code Review	1	\dashv
Function	Code	Code Review	2.3	Ħ
Function	Design	Code	6.3	

(Cycle 1 end date was wrong. Change to april 17th.
Į	UC1 - Adding text to better explain system upload feature.
Į	UC2 - change the text "uploaded files" to "all files" to avoid misunderstanding.
τ	UC3 - change pre-conditions to reflect the need of an existing file on the system.
Į	UC4 - Pre-condition: add the information saying that the user need to inform the file name to checking.
١	Wrong UC number - UC4 insted of UC5 - View file information.
(Chapter 3 - Adding requirement id and mapping it with the use cases.
(Chapter 4 - correct some sentences on Option 2 and 3 to better understanding.
(Charpter 4 - Include the "Add file" option on the user interface. This option is required to include a file on the system.
(Chapter 4 - section 2 : change statements to make clear that the information to be stored is about source code file changes.
I	Incorporated test plan criteria for new use-cases based on the change in requirements.
Ι	Description for a test plan for each use case was added
ľ	modified the sequence of steps to be carried out, for one use-case and the test result information for another use-case
ŀ	How Userinterface can invoke Controllers executeCommand method?
l	Missing setters and getters from most of the classes.
N	Missing implementation of the Comparator interface.
N	Missing getter methods for type and line number in the ChangeDescriptor class.
I	Reader and Writer interfaces do not have setter method to set the file name, which leaves its implementation in uncertainty, how to set the filename.
٤	getId method of Reader and Writer interfaces seem to lack purpose.
(Controller does not provide a method that can return a list of changes.
(Command that retrieves a list of changes does not exist.
r	readerInputStream2 is not protected.
Ī	Fields linenumber, source, change description are public.
7	Teammates are not able to join the team project on the process dashboard. The link for joining the project fails.
7	The relationship between the user interface and comparator must be a bi-directional association
Ī	Implementation details were depicted in the analysis model pertaining to file reader and writer
I	File header missing in the file indicating the file description. (GUI Component)
=	No log at the end indicating the file revision history.
٥	Functions and variables lacked comments.
۲	Naming of variables are not according to the defined java standards.
느	Field spacing and description was not appropriate on the GUI.
٥	Getter and setters for private variables were missing from GUI components.
늘	Command class does not have setters that will allow setting the results.
٥	Class OneClickCompareCommand does not adhere to the naming standard for command class. Command subclasses must start with "Cmd".
=	The messages in the file selection boxes are not appropriate. It calls two version of a source files as "source file" and "Target file".
Ξ	Declaration of close method of reader class was incorrect. It has a return type as String, where it should have void.
Ξ	Deciration of open method of Reader interface was incorrect. Wrong return type. It has String, but it should have void.
늗	ComparatorImpl has a filed "chages' which is of type array of ChangeDescriptor. We want a List of ChangeDescriptor.
늘	gof4FileReader had methods which were supposed to throw exceptions but were not throwing exceptions. Methods are close, open, readLine.
_	gof4FileWriter has methods that should throw exceptions, but aren;t throwing exceptions. Methods are close, open, readLine.
L	
Ξ	Writer interface had readLine method which is incorrect and is against the design. It should have writeLine. Writer interface should not have isEmpty method.
١	
Ī	gof4FileWriter and gof4FileReader have overloaded constructors which take filenames as input. This is not according to the design. The file names are set using a method setFileName.

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Function	Code	Test	2.6
Data	Code	Test	1.5
Checking	Code	Test	0.7
Assignment	Code	Test	0.7
Function	Code	Test	6
Assignment	Code	Test	0.7
Function	Code	Test	7.2
Function	Code	Test	0.8
Documentation	Code	Code Inspect	4
Documentation	Code	Code Inspect	2
Documentation	Code	Code Inspect	4
Documentation	Code	Code Inspect	1.4
Build, package	Code	Code Inspect	1.3
Function	Code	Code Inspect	1.1
Interface	Code	SW Int Test	5.2
Interface	Code	SW Int Test	3
Data	Code	SW Int Test	7
Documentation	Code	SW Int Test	3
Data	Code	SW Int Test	6.1
Interface	Code	SW Int Test	3

Source lines are not getting set. only line numbers are set.
Changed line contained "<" or ">" which is not required.
CompareAll method do not throw exception, where it should be.
result in the method ChangeDescriptor:toString() was uninitialized. Causing null pointer exception.
Changed/added/deleted lines are not getting printed on new lines. (In information).
Destination lines (source2) are represented as '<', which should be prefixed by ">"
In case of added line also it prints line numbers in the source (first file).
GUI is not notifying the user upon success of failure of a comparison opration.
Comments for the setters and getters in ChangeDescriptor.
Comments for methods in Comparator interface.
Comments absent in the UserInterface interface.
No comments in CmdOneClickCompare class.
Wrong import is used in the Controller. com.sun.org.apache.*
Remove main method from the GUI.
System do not check if files were valid. It crashs if invalid files (not existing, wrong names, etc) are informed
UI does not provide feedback when stop processing
Fix the information on final file report: Eg: Line Numbers (File#1) 0-9 -> fix the information "0-9"
Step 4 on help says that is possible to see the summary result on the screen, but there is no field on screen to see the summary.
The information created by the system on the report file is not the same as specified on SRS (REQ004): Comparison date is missing; Total line number is missing
Text box to inform files names should be larger to better see the files names provided by the user.