

CS4218 HACKTHON

TEAM 13 BUG REPORT

TEAM MEMBERS

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GENERAL NOTE

- A package named “hackathon” should be created in Team C’s source code to run the test files.
- There are 3 test files:
 - FailedTest1: contains failed cases for bugs in cal application and command substitution.
 - FailedTest2: contains failed cases for bugs in sort application and pipe operator.
 - FailedTest3: contains failed cases for bugs in cat, cd, pwd, echo, head, tail, grep, date, sed, wc applications, call and sequence.
- There are bug reports in form of Javadoc comment above the test case that contains:
 - Description of the problem in one sentence
 - Reference to the part of specification that is violated
 - Reference to the failing code (if known)
- There is also the folder test-data with sample.txt as the additional resource.

BUG REPORT TABLE

Bug No.	Description	Testcase	Comments
1	Cat: No exception when file is not valid	testCatWithNonExistingFile	
2	Cal: No exception if number argument is more than 3	testCalWithMoreThan3Arguments	
3	Cal: No exception if month is not valid (negative or > 12)	testCalWithInvalidMonth	
4	Command substitution: Cat does not work with echo	testCommandSubstitutionCatAndEcho	
5	Cal, Cd, Date, Grep, Head, Pwd, Sed, Sort, Tail, Wc apps do not throw exception for null args	testNullArgsApp	
6	Head, Tail: do not give exception for negative number of lines	testHeadTailWithNegativeLineNumberOption	
7	Cd does not give exception on multiple input directories	testCdWithMultipleInputArgs	
8	Date: run correctly and also throw exception on more than 0 input args	testDateWithMoreThan0Args	
9	Grep: 0 args does not return exception	testGrep0Args	
10	Grep: Does not throw exception on invalid pattern	testGrepInvalidPattern	
11	Grep: Does not throw exception for nonexistent file	testGrepNonExistentFile	

12	Sed: return null for correct case using as separator	testSedWithDifferentSeparator	
13	Wc: throw exception when using option + stdin	testWcUsingOptionAndStdin	
14	Wc: return nothing when using more than 1 options + stdin	testWcUsingMoreThan1OptionsAndStdin	
15	Glob: for nonexistent path, does not keep ARG so grep asks for stdin instead of throwing nonexistent file exception	testGlobUsingNonexistentPath	
16	Glob: asterisk (*) in quotation is still interpreted as globbing	testGlobAsteriskInQuotation	
17	Sort: with invalid option and valid file outputting normal sort but not exception	testInvalidOptionValidFile	
18	Sort: with invalid number of options and valid file outputting normal sort but not exception	testInvalidNumberOfOptionsValidFile	
19	Sort: numbers (-n option) with stdin returns nothing	testSortNumbersStdin	
20	Pipe: no exception thrown when a component is invalid	testPipeWithInvalidComponent	