Homework2 Memo

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i)I think the difficult parts for this assignment is the UML diagrams, I refer to the notes in CS586 then find it is not a simple problem as I think it is. Then in the coding part, I almost forgot to inherit all the constructors in super class, the method is not that hard to create.

ii) The lines of code in each class are listed below:

ImprovedRandom:13

ImprovedRandomTest:23

ImprovedStringTokenizer:23

ImprovedStringTokenizerTest:37

iii) The unit test coverage is 100% for the classes that has real method(p4,p5 for problem4 and 5 respectively), the package that has 0% is for problem 2 which only has a skeleton for class diagram.

	Problems @ Javadoc Declaration Console Coverage ⊠				
Assignment2 (2016-9-27 20:46:39)					
Element	Coverage ∧		Covered Instructions	Missed Instructions	Total Instructions
▼ Assignment2		83.9 %	161	31	192
▼ src		83.9 %	161	31	192
▶ p2		0.0 %	0	31	31
▶ p4		100.0 %	53	0	53
▶ p5		100.0 %	108	0	108

iv) The cyclomatic complexity is shown in the converage report exported by Eclipse, which is specified as row"Cxty"

src

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
p5		100%		100%	0	11	0	35	0	10	0	2
p4		100%		n/a	0	7	0	16	0	7	0	2
p2		0%		n/a	9	9	11	11	9	9	7	7
Total	31 of 192	84%	0 of 2	100%	9	27	11	62	9	26	7	11

Assignment2 (2016–9–27 20:46:39)   Created with JaCoCo 0.7.6.201602180812