

SM- SOEN 6611
Software Measurements
Summer 2017



Deliverable 1
(DESCRIPTIVE-STATISTICS)

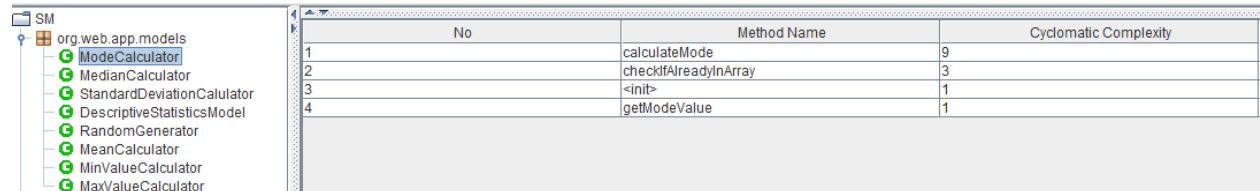
Declaration

We, the members of the team, have read and understood the Fairness Protocol and the Communal Work Protocol, and agree to abide by the policies therein, without any exception, under any circumstances, whatsoever.

Team A
Ali Afzal
Paras Dhawan

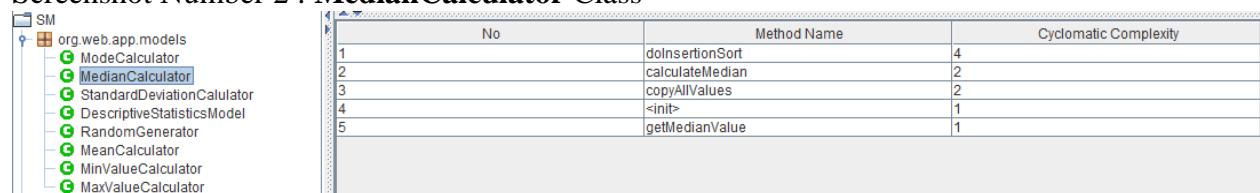
SCREENSHOTS OF CYVIS TOOL FOR WMC (DESCRIPTIVE STATISTICS)

Screenshot Number 1 : **ModeCalculator** Class



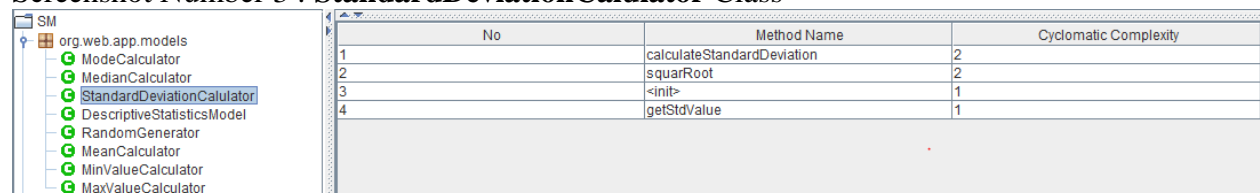
No	Method Name	Cyclomatic Complexity
1	calculateMode	9
2	checkIfAlreadyInArray	3
3	<init>	1
4	getModeValue	1

Screenshot Number 2 : **MedianCalculator** Class



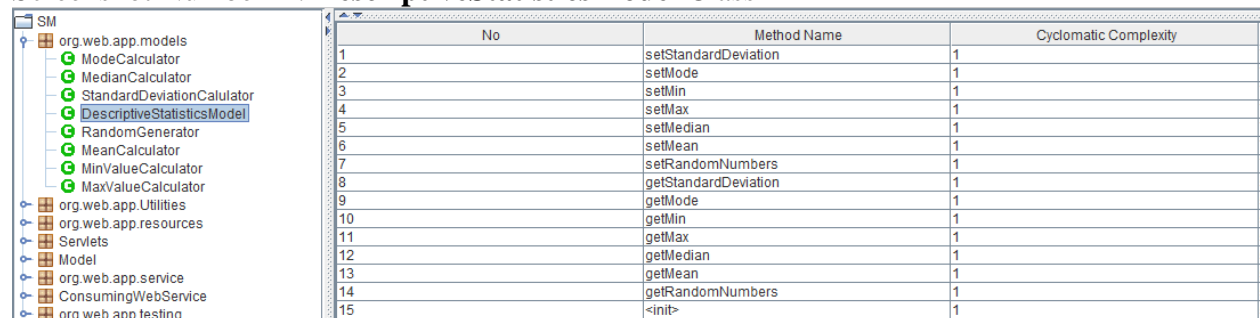
No	Method Name	Cyclomatic Complexity
1	doInsertionSort	4
2	calculateMedian	2
3	copyAllValues	2
4	<init>	1
5	getMedianValue	1

Screenshot Number 3 : **StandardDeviationCalulator** Class



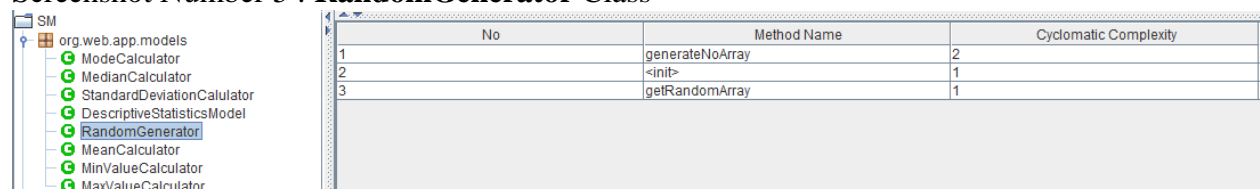
No	Method Name	Cyclomatic Complexity
1	calculateStandardDeviation	2
2	squarRoot	2
3	<init>	1
4	getStdValue	1

Screenshot Number 4 : **DescriptiveStatisticsModel** Class



No	Method Name	Cyclomatic Complexity
1	setStandardDeviation	1
2	setMode	1
3	setMin	1
4	setMax	1
5	setMedian	1
6	setMean	1
7	setRandomNumbers	1
8	getStandardDeviation	1
9	getMode	1
10	getMin	1
11	getMax	1
12	getMedian	1
13	getMean	1
14	getRandomNumbers	1
15	<init>	1

Screenshot Number 5 : **RandomGenerator** Class



No	Method Name	Cyclomatic Complexity
1	generateNoArray	2
2	<init>	1
3	getRandomArray	1

Screenshot Number 6 : **MinValueCalculator** Class

No	Method Name	Cyclomatic Complexity
1	calculateMean	2
2	<init>	1
3	getMeanValue	1

Screenshot Number 7 : MinValueCalculator Class

No	Method Name	Cyclomatic Complexity
1	calculateMin	3
2	<init>	1
3	getMinValue	1

Screenshot Number 8 : MaxValueCalculator Class

No	Method Name	Cyclomatic Complexity
1	calculateMax	3
2	<init>	1
3	getMaxValue	1

Screenshot Number 9 : RoundValues Class

No	Method Name	Cyclomatic Complexity
1	round	1
2	<init>	1

Screenshot Number 10 : DescriptiveStatisticsResource Class

No	Method Name	Cyclomatic Complexity
1	calculateStatistics	1
2	<init>	1
3	getIt	1

Screenshot Number 11 : LoginServlet Class

No	Method Name	Cyclomatic Complexity
1	doGet	4
2	<init>	1

Screenshot Number 12 : DescriptiveStatisticsModel Class

No	Method Name	Cyclomatic Complexity
1	setStandardDeviation	1
2	setMode	1
3	setMin	1
4	setMax	1
5	setMedian	1
6	setMean	1
7	setRandomNumbers	1
8	getStandardDeviation	1
9	getMode	1
10	getMin	1
11	getMax	1
12	getMedian	1
13	getMean	1
14	getRandomNumbers	1
15	<init>	1

Screenshot Number 13 : **StatisticsService** Class

SM		
org.web.app.models		
org.web.app.Utilities		
org.web.app.resources		
Servlets		
Model		
org.web.app.service		
StatisticsService		
ConsumingWebService		
org.web.app.testing		

No	Method Name	Cyclomatic Complexity
1	<init>	1
2	getSTD	1
3	getMedian	1
4	getMode	1
5	getMin	1
6	getMax	1
7	getMean	1
8	getRandomNumbers	1

Screenshot Number 14 : **HTTPClientResource** Class

SM		
org.web.app.models		
org.web.app.Utilities		
org.web.app.resources		
Servlets		
Model		
org.web.app.service		
ConsumingWebService		
HTTPClientResource		

No	Method Name	Cyclomatic Complexity
1	getRequest	6
2	<init>	1
3	setStatisticsObject	1
4	getObjectFromJson	1
5	getJsonFromObject	1
6	getStatisticsObject	1