

cardio\_generator > com.alerts > AlertGenerator

## AlertGenerator

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
evaluateData(Patient)	<div><div></div></div>	95%	<div><div></div></div>	83%	2	7	1	21	0	1
checkBloodPressure(List, List)	<div><div></div></div>	100%	<div><div></div></div>	85%	4	15	0	27	0	1
checkEcgData(List)	<div><div></div></div>	100%	<div><div></div></div>	77%	4	10	0	23	0	1
checkHypotHypox(List, List)	<div><div></div></div>	100%	<div><div></div></div>	87%	2	9	0	21	0	1
checkBloodSaturation(List)	<div><div></div></div>	100%	<div><div></div></div>	80%	2	6	0	11	0	1
triggerAlert(Alert)	<div><div></div></div>	100%		n/a	0	1	0	6	0	1
AlertGenerator(DataStorage)	<div><div></div></div>	100%		n/a	0	1	0	3	0	1
Total	4 of 593	99%	14 of 84	83%	14	49	1	112	0	7

The following figure verifies that all methods from the Alert Generator were covered in the tests as instructed.

cardio\_generator > com.data\_management

## com.data\_management

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
FileDataReader	<div><div></div></div>	0%	<div><div></div></div>	0%	6	6	20	20	2	2	1	1
DataStorage	<div><div></div></div>	46%	<div><div></div></div>	50%	4	9	14	27	2	5	0	1
Patient	<div><div></div></div>	100%	<div><div></div></div>	100%	0	6	0	13	0	3	0	1
PatientRecord	<div><div></div></div>	100%		n/a	0	5	0	10	0	5	0	1
Total	127 of 271	53%	12 of 22	45%	10	26	34	70	4	15	1	4

The results in the second figure suggest that FileDataReader was not properly tested to full coverage besides being used for Patient and DataStorage (I will ensure to implement more tests for it). Nevertheless, DataStorage, Patient, and PatientRecord were used accordingly within the tests performed.

cardio\_generator

## cardio\_generator

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.cardio_generator.generators	<div><div></div></div>	0%	<div><div></div></div>	0%	24	24	104	104	16	16	5	5
com.cardio_generator	<div><div></div></div>	0%	<div><div></div></div>	0%	26	26	83	83	13	13	1	1
com.cardio_generator.outputs	<div><div></div></div>	0%	<div><div></div></div>	0%	19	19	60	60	17	17	5	5
com.data_management	<div><div></div></div>	53%	<div><div></div></div>	45%	10	26	34	70	4	15	1	4
default	<div><div></div></div>	0%	<div><div></div></div>	0%	4	4	8	8	2	2	1	1
com.alerts	<div><div></div></div>	99%	<div><div></div></div>	83%	14	53	1	120	0	11	0	2
Total	1,296 of 2,050	36%	74 of 154	51%	97	152	290	445	52	74	13	18

Overall, since tests were only performed on AlertGenerator, FileDataReader, and DataStorage, we can conclude that the report is sensible reflects correctly.

```
Running data_management.DataStorageTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed:
0.029 s -- in data_management.DataStorageTest

Results:

Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
```