com.alerts

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
AlertGenerator		96 %		80 %	2	10	1	30	0	5	0	1
SelfTriggeredAlert		91 %		50 %	3	5	2	9	0	2	0	1
SaturationTrendAlert		98 %		87 %	1	7	1	15	0	3	0	1
BloodPressureTrendAlert		100 %		95 %	1	16	0	31	0	5	0	1
HypotensiveHypoxemiaAlert		100 %		93 %	1	11	0	19	0	3	0	1
BloodPressureCriticalAlert		100 %		92 %	1	9	0	24	0	2	0	1
EGCAlert		100 %		80 %	2	7	0	20	0	2	0	1
AlertType		100 %		n/a	0	1	0	8	0	1	0	1
BloodSaturationCriticalAlert		100 %		83 %	1	5	0	9	0	2	0	1
Alert		100 %		n/a	0	5	0	10	0	5	0	1
Total	7 of 797	99 %	12 of 92	86 %	12	76	4	175	0	30	0	10

These are the results after running the JUnit test for my alert classes. The coverage of the test is solid and most of the alert logic seems to have been correctly tested. Only for the Self triggered alert I am missing some test functions, which I will make sure to test later on. Other than the most important functions have been tested and are working.
For all my separate alert classes I have implemented methods to check wether they get triggered under certain circumstances and it seems as if I covered most of the edge cases too.

com.data_management

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
ReadData		0 %		0 %	5	5	21	21	2	2	1	1
DataStorage		53 %		50 %	3	9	13	27	1	5	0	1
Patient		100 %		83 %	1	7	0	14	0	4	0	1
PatientRecord		100 %		n/a	0	5	0	10	0	5	0	1
Total	154 of 302	49 %	11 of 20	45 %	9	26	34	72	3	16	1	4

For the tests of the data management classes, I have not tested the ReadData class yet, which implements the DataReader interface. I will make sure to do that as soon as possible. Other than that the Patient and DataStorage class have been successfully tested. For the DataStorage class there are some functions still missing but I will update that soon.

```
[INFO] Tests run: 25, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
```

Although some functionalities are missing, I would say that my tests show that the implemented classes are working, also if edge cases are considered.