Week 3 Unit tests report

For this week the needed packages, alerts and data management were tested. With the JaCoCo code coverage report we can see that the code achieved 98% and 70% coverage for the respective packages. Below is also a list of all the specific aspects which were tested for the classes.

cardio_generator

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Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.cardio_generator.generators		0%		0%	24	24	104	104	16	16	5	5
com.cardio_generator		0%		0%	26	26	83	83	13	13	1	1
com.cardio_generator.outputs		0%		0%	18	18	60	60	16	16	5	5
com.data_management		70%		66%	6	31	24	86	2	22	0	4
default		0%		n/a	7	7	17	17	7	7	1	1
com		0%		0%	4	4	5	5	2	2	1	1
com.alerts		98%		85%	5	63	2	86	2	53	0	14
Total	1,308 of 1,920	31%	57 of 86	33%	90	173	295	441	58	129	13	31

data_management

-	Class	Tests	Errors	Failures	Skipped	Success Rate	Time
⚠	PatientTest	8	0	0	0	100%	0.037 s
⚠	DataStorageTest	6	0	0	0	100%	0.022 s
⚠	DataReaderTest	1	0	0	0	100%	0.102 s

DataReaderTest

⚠	testMockDataReaderAddsDataToStorage	0.024 s

PatientTest

⚠	testNegativeTimestamp	0.002 s
⚠	testAddAndRetrieveSingleRecord	0 s
⚠	testMultipleRecordsAndFiltering	0 s
⚠	testDuplicateTimestamps	0.001 s
⚠	testRecordAtTimeBoundariesIncluded	0.001 s
⚠	testGetPatientId	0.001 s
⚠	testNoRecordsInTimeRange	0.002 s
⚠	testGetRecordsWhenEmpty	0.001 s

AlertGeneratorTest

⚠	testEvaluateData_triggersAlertWhenConditionMet	0.004 s
⚠	testEvaluateData_doesNotTriggerAlertWhenConditionNotMet	0.001 s