

Unit Test Verification – week 4

The screenshot shows an IDE with a project named 'cardio_generator'. The left sidebar displays a file tree with folders like 'alerts', 'data_management', and 'PatientTest'. The main editor shows the 'AlertFactory' class with several 'import' statements. A coverage report for 'AlertFactory' is displayed on the right, showing 100% coverage for instructions and branches, with 0 missed instructions and 0 missed branches out of 3 total instructions and 0 total branches.

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
AlertFactory()	0 of 3	100%	0 of 0	n/a	0	1	0	1	0	1	0	1
Total	0 of 3	100%	0 of 0	n/a	0	1	0	1	0	1	0	1

cardio_generator > com.data_management

com.data_management

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
DataStorage	<div><div></div></div>	63 %	<div><div></div></div>	50 %	5	18	15	43	1	11	0	1
Patient	<div><div></div></div>	100 %	<div><div></div></div>	100 %	0	8	0	16	0	5	0	1
FileDataReader	<div><div></div></div>	100 %	<div><div></div></div>	100 %	0	4	0	14	0	2	0	1
PatientRecord	<div><div></div></div>	100 %		n/a	0	5	0	10	0	5	0	1
Total	62 of 320	80 %	7 of 24	70 %	5	35	15	83	1	23	0	4













cardio_generator > com.cardio_generator

com.cardio_generator

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
HealthDataSimulator	<div><div></div></div>	72 %	<div><div></div></div>	54 %	18	47	44	134	2	22	0	1
Total	153 of 549	72 %	22 of 48	54 %	18	47	44	134	2	22	0	1

cardio_generator > com.alerts

com.alerts


Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
 AlertGenerator	<div><div></div></div>	83 %	<div><div></div></div>	58 %	18	35	12	93	0	6	0	1
 Alert	<div><div></div></div>	40 %		n/a	2	6	5	13	2	6	0	1
 PriorityAlertDecorator	<div><div></div></div>	83 %	<div><div></div></div>	46 %	6	16	10	41	0	8	0	1
 AlertDecorator	<div><div></div></div>	23 %		n/a	5	6	6	9	5	6	0	1
 BloodPressureStrategy	<div><div></div></div>	90 %	<div><div></div></div>	87 %	1	7	1	11	0	3	0	1
 RepeatedAlertDecorator	<div><div></div></div>	98 %	<div><div></div></div>	81 %	3	16	1	41	0	8	0	1
 HeartRateStrategy	<div><div></div></div>	100 %	<div><div></div></div>	100 %	0	5	0	7	0	3	0	1
 OxygenSaturationStrategy	<div><div></div></div>	100 %	<div><div></div></div>	100 %	0	5	0	7	0	3	0	1
 BloodPressureAlertFactory	<div><div></div></div>	100 %		n/a	0	2	0	2	0	2	0	1
 ECGAlertFactory	<div><div></div></div>	100 %		n/a	0	2	0	2	0	2	0	1
 BloodOxygenAlertFactory	<div><div></div></div>	100 %		n/a	0	2	0	2	0	2	0	1
 AlertFactory		100 %		n/a	0	1	0	1	0	1	0	1
Total	163 of 1.018	83 %	35 of 103	66 %	35	103	35	229	7	50	0	12

✓ 15/15


✓  cardio_generator 253ms

✓ { } alerts 123ms


> ✓  AlertFactoryTest 19ms

> ✓  AlertGeneratorTest 54ms

✓  AlertStrategyTest 50ms

✓  testBloodPressureStrategy() 8.0ms

✓  testHeartRateStrategy() 2.0ms

✓  testOxygenSaturationStrategy() 34ms

✓  testChangingStrategy() 6.0ms

> ✓ { } data_management 130ms