



- ✓ testBloodPressureTrendAlert 17 ms
- ✓ testRapidBloodSaturationDropAlert 9 ms
- ✓ testAbnormalHeartRateAlert 1 ms
- ✓ testLowBloodSaturationAlert 1 ms
- ✓ testIrregularHeartBeatAlerts()
- ✓ testCriticalBloodPressureThreshold 1 ms
- ✓ testHypotensiveHypoxemia 1 ms

```
/Users/zhousiyao/Library/Java/JavaVirtualMachines/openjdk-21.0.1/Contents/Home/bin/java ...
Alert triggered: Alert{patientId=13, condition='IncreasingSystolicBloodPressureTrend', timestamp=1714377089050}, Repeated 5 times
Alert triggered: Alert{patientId=14, condition='DecreasingSystolicBloodPressureTrend', timestamp=1714377089050}, Repeated 5 times
Alert triggered: Alert{patientId=15, condition='IncreasingDiastolicBloodPressureTrend', timestamp=1714377089050}, Repeated 5 times
Alert triggered: Alert{patientId=16, condition='DecreasingDiastolicBloodPressureTrend', timestamp=1714377089050}, Repeated 5 times
Alert triggered: Alert{patientId=11, condition='RapidBloodSaturationDrop', timestamp=1714377389050}, Priority Level 2
Alert triggered: Alert{patientId=2, condition='AbnormalHeartRate', timestamp=1714376789050}, Repeated 3 times
Alert triggered: Alert{patientId=2, condition='AbnormalHeartRate', timestamp=1714376789050}, Repeated 3 times
Alert triggered: Alert{patientId=9, condition='LowBloodSaturation', timestamp=1714376789050}, Priority Level 2
Alert triggered: Alert{patientId=3, condition='IrregularHeartBeat', timestamp=1717950713562}, Repeated 3 times
Alert triggered: Alert{patientId=4, condition='IrregularHeartBeat', timestamp=1717950713562}, Repeated 3 times
Alert triggered: Alert{patientId=18, condition='CriticalBloodPressureThreshold', timestamp=1714376789050}, Repeated 5 times
Alert triggered: Alert{patientId=18, condition='CriticalBloodPressureThreshold', timestamp=1714376889050}, Repeated 5 times
Alert triggered: Alert{patientId=18, condition='CriticalBloodPressureThreshold', timestamp=1714376989050}, Repeated 5 times
Alert triggered: Alert{patientId=5, condition='CriticalBloodPressureThreshold', timestamp=1714376789050}, Repeated 5 times
Alert triggered: Alert{patientId=5, condition='LowBloodSaturation', timestamp=1714376789050}, Priority Level 2
Alert triggered: Alert{patientId=5, condition='HypotensiveHypoxemiaAlert', timestamp=1714376789050}, Priority Level 1
Alert triggered: Alert{patientId=6, condition='CriticalBloodPressureThreshold', timestamp=1714376789050}, Repeated 5 times
Alert triggered: Alert{patientId=7, condition='LowBloodSaturation', timestamp=1714376789050}, Priority Level 2
```

```
Process finished with exit code 0
```





Run

FileDataReaderTest

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✓ FileDataReaderTest (data\_main.java) 12 ms

✓ testInvalidLine() 11 ms

✓ testReadData() 1 ms

✓ Tests passed: 2 of 2 tests – 12 ms

/Users/zhousiyao/Library/Java/JavaVirtualMachines/openjdk-21.0.1/Contents/Home/bin/java ...

Invalid line: invalid,line

Process finished with exit code 0

Run

IntegrationTest

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✓ IntegrationTest (data\_manage 74 ms)



✓ Tests passed: 1 of 1 test – 74 ms

✓ testIntegration() 74 ms

/Users/zhousiyao/Library/Java/JavaVirtualMachines/openjdk-21.0.1/Contents/Home/bin/java ...

Process finished with exit code 0



Run  WebSocketOutputStrategyTest 



✓ WebSocketOutputStrategyT

318 ms

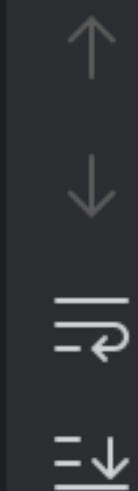
✓ testOutputValidData() 318 ms

✓ Tests passed: 1 of 1 test – 318 ms

```
WebSocket server created on port: 8080, listening for connections...
```

```
server started successfully
```

```
process finished with exit code 0
```



Run

WebSocketClientTest



✓ WebSocketClientTest (data\_n 80 ms)

✓ Tests passed: 5 of 5 tests – 80 ms

Run

WebSocketDataReaderTest

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WebSocketDataReaderTest

257 ms

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Tests passed: 5 of 5 tests – 257 ms