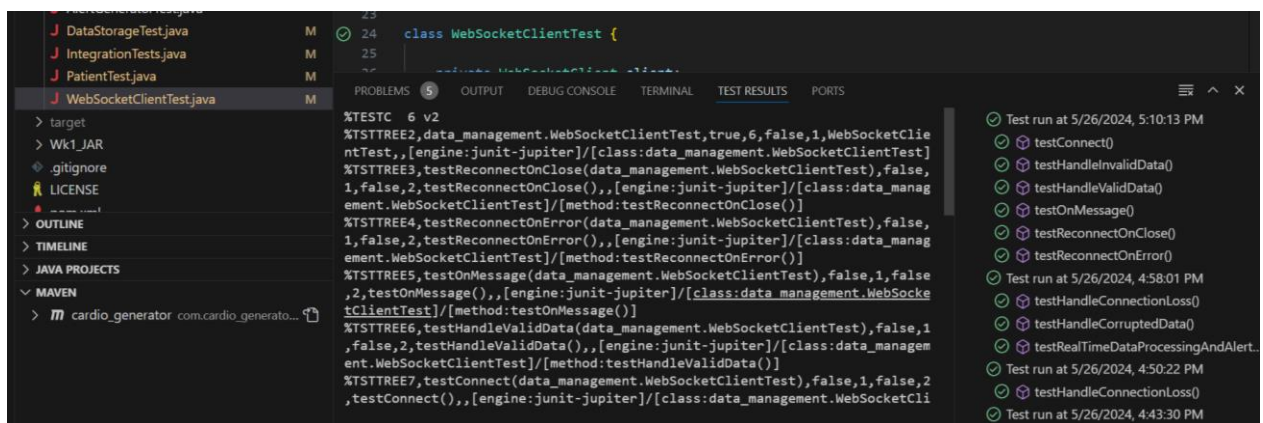


## WEEK 6 – Test Screenshots, Angelo and Ada

```
PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL TEST RESULTS PORTS

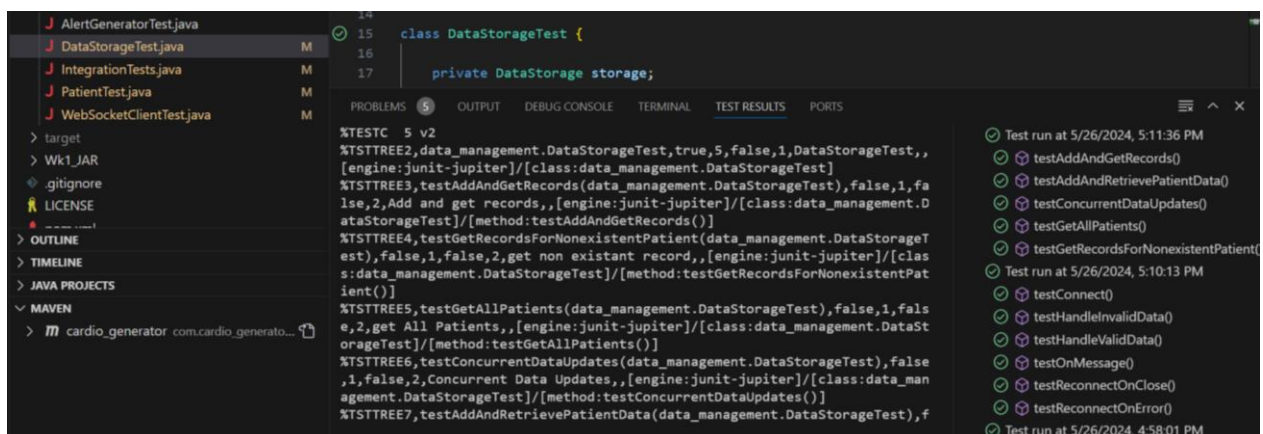
Added data to storage: com.data_management.PatientRecord@644a3add
Added data to storage: com.data_management.PatientRecord@6a3fbc1
Received corrupted data: invalid,data,format
[INFO] Tests run: 6, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.364 s -- in data_management.WebSocketClientTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 29, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 32.638 s
[INFO] Finished at: 2024-05-26T17:00:13+02:00
[INFO] -----
PS C:\Users\Angelo Thompson\Documents\UNIVERSITY\CODE\Software_Eng\signal_project>
```



```
class WebSocketClientTest {
    // ...
}

%TESTC 6 v2
%STTREE2,data_management.WebSocketClientTest,true,6,false,1,WebSocketClientTest,,[engine:junit-jupiter]/[class:data_management.WebSocketClientTest]
%STTREE3,testReconnectOnClose(data_management.WebSocketClientTest),false,1,false,2,testReconnectOnClose(),[engine:junit-jupiter]/[class:data_management.WebSocketClientTest]/[method:testReconnectOnClose()]
%STTREE4,testReconnectOnError(data_management.WebSocketClientTest),false,1,false,2,testReconnectOnError(),[engine:junit-jupiter]/[class:data_management.WebSocketClientTest]/[method:testReconnectOnError()]
%STTREE5,testOnMessage(data_management.WebSocketClientTest),false,1,false,2,testOnMessage(),[engine:junit-jupiter]/[class:data_management.WebSocketClientTest]/[method:testOnMessage()]
%STTREE6,testHandleValidData(data_management.WebSocketClientTest),false,1,false,2,testHandleValidData(),[engine:junit-jupiter]/[class:data_management.WebSocketClientTest]/[method:testHandleValidData()]
%STTREE7,testConnect(data_management.WebSocketClientTest),false,1,false,2,testConnect(),[engine:junit-jupiter]/[class:data_management.WebSocketClientTest]/[method:testConnect()]

Test run at 5/26/2024, 5:10:13 PM
testConnect()
testHandleInvalidData()
testHandleValidData()
testOnMessage()
testReconnectOnClose()
testReconnectOnError()
Test run at 5/26/2024, 4:58:01 PM
testHandleConnectionLoss()
testRealTimeDataProcessingAndAlert()
Test run at 5/26/2024, 4:50:22 PM
testReconnectOnConnectionLoss()
Test run at 5/26/2024, 4:43:30 PM
```



```
class DataStorageTest {
    private DataStorage storage;
    // ...
}

%TESTC 5 v2
%STTREE2,data_management.DataStorageTest,true,5,false,1,DataStorageTest,,[engine:junit-jupiter]/[class:data_management.DataStorageTest]
%STTREE3,testAddAndGetRecords(data_management.DataStorageTest),false,1,false,2,Add and get records,,[engine:junit-jupiter]/[class:data_management.DataStorageTest]/[method:testAddAndGetRecords()]
%STTREE4,testGetRecordsForNonexistentPatient(data_management.DataStorageTest),false,1,false,2,get non existent record,,[engine:junit-jupiter]/[class:data_management.DataStorageTest]/[method:testGetRecordsForNonexistentPatient()]
%STTREE5,testGetAllPatients(data_management.DataStorageTest),false,1,false,2,get All Patients,,[engine:junit-jupiter]/[class:data_management.DataStorageTest]/[method:testGetAllPatients()]
%STTREE6,testConcurrentDataUpdates(data_management.DataStorageTest),false,1,false,2,Concurrent Data Updates,,[engine:junit-jupiter]/[class:data_management.DataStorageTest]/[method:testConcurrentDataUpdates()]
%STTREE7,testAddAndRetrievePatientData(data_management.DataStorageTest),false,1,false,2,Add and retrieve patient data,,[engine:junit-jupiter]/[class:data_management.DataStorageTest]/[method:testAddAndRetrievePatientData()]

Test run at 5/26/2024, 5:11:36 PM
testAddAndGetRecords()
testAddAndRetrievePatientData()
testConcurrentDataUpdates()
testGetAllPatients()
testGetRecordsForNonexistentPatient()
Test run at 5/26/2024, 5:10:13 PM
testConnect()
testHandleInvalidData()
testHandleValidData()
testOnMessage()
testReconnectOnClose()
testReconnectOnError()
Test run at 5/26/2024, 4:58:01 PM
```

## WEEK 6 – Test Screenshots, Angelo and Ada

The screenshot displays an IDE interface with the following components:

- Left Panel (Project Explorer):** Shows a project structure with files like `Main.java`, `test\java\data_management`, `AlertGeneratorTest.java`, `DataStorageTest.java`, `IntegrationTests.java` (selected), `PatientTest.java`, and `WebSocketClientTest.java`. Below this are sections for `target`, `Wk1_JAR`, `.gitignore`, `LICENSE`, `OUTLINE`, `TIMELINE`, `JAVA PROJECTS`, and `MAVEN`.
- Center Panel (Code Editor):** Displays the `IntegrationTests` class with the following code:

```
22  
23 class IntegrationTests {  
24  
25     private static WebSocketServer server;  
26     private WebSocketClient client;  
27     private DataStorage dataStorage;
```
- Bottom Panel (Test Results):** Shows the results of a test run. The `TESTS` tab is active, displaying a list of tests that passed, each preceded by a green checkmark icon. The tests include:
  - `testHandleConnectionLoss()`
  - `testHandleCorruptedData()`
  - `testRealTimeDataProcessingAndAlertGeneration()`
  - `testAddAndGetRecords()`
  - `testAddAndRetrievePatientData()`
  - `testConcurrentDataUpdates()`
  - `testGetAllPatients()`
  - `testGetRecordsForNonexistentPatient()`
  - `testConnect()`
  - `testHandleInvalidData()`
  - `testHandleValidData()`