

Implementing the RSocket Quotes Backpressure Case Study App Client

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Learning Objectives in this Part of the Lesson

- Understand the RSocket Quotes backpressure app client & test driver implementation

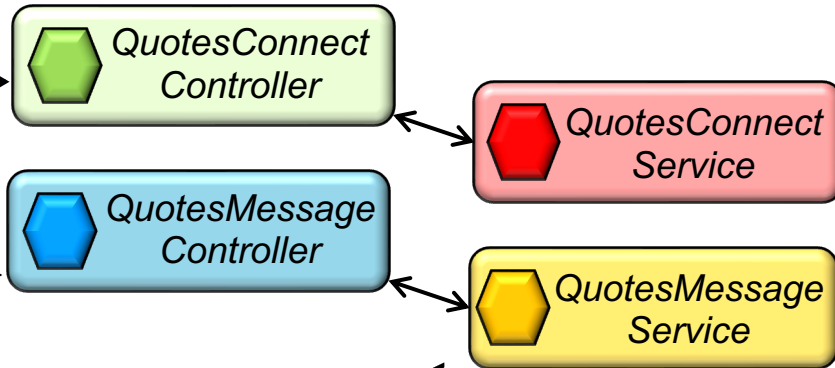
QuotesTest

```
19 //**
20 // * This program tests the PrimeCheckClient and its ability to
21 // * communicate with the PrimeCheckServerController.
22 //**
23 //
24 @SpringBootTest
25 @ContextConfiguration(classes = {
26     Components.class,
27     PrimeCheckClient.class,
28     PrimeCheckController.class
29 })
30 public class PrimeCheckTest {
31     /**
32      * Debugging tag used by the logger.
33      */
34     private final String TAG = getClass().getSimpleName();
35
36     /**
37      * This object connects to the TestClient. The @Code @Autowired
38      * annotation ensures this field is initialized via Spring
39      * dependency injection, where an object receives another object
40      * it depends on (e.g., by creating a @Link PrimeCheckClient).

```



QuotesApplication



**Asynchronous
RSocket
binary messages
w/backpressure**

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The screenshot shows an IDE window with a project structure on the left and a code editor on the right. The project structure includes a 'test' directory with a 'java' subdirectory containing 'quotes', 'client', and 'utils' subdirectories. The code editor displays the following Java code:

```
42 @SpringBootTest(classes = QuotesApplication.class,
43                 webEnvironment = SpringBootTest
44                 .WebEnvironment.DEFINED_PORT)
45 @ComponentScan("quotes")
46 public class QuotesTest {
47     /**
48      * Define the "command-line" options.
49      */
50     private static final String[] sArgv = new String[]{
51         "-d", "true" // Enable debugging.
52     };
53
54     /**
55      * Debugging tag used by Options.
56      */
57     private final String TAG = getClass().getSimpleName();
58
```

See github.com/douglasraigschmidt/LiveLessons/tree/master/RSocket/ex2

End of Implementing the
RSocket Quotes
Backpressure Case Study
App Client