Implementing the RSocket ZippyQuotes Case Study App Server (Part 2)

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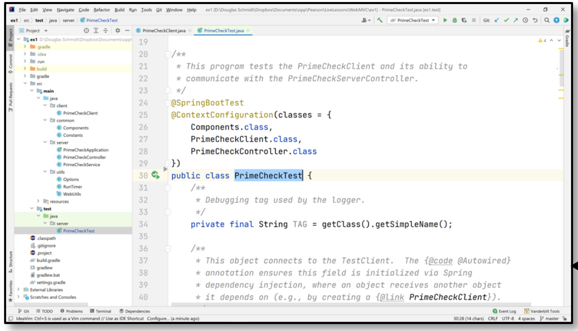
Learning Objectives in this Lesson

- Understand the implementation of the message passing portion of the RSocket ZippyQuotes server

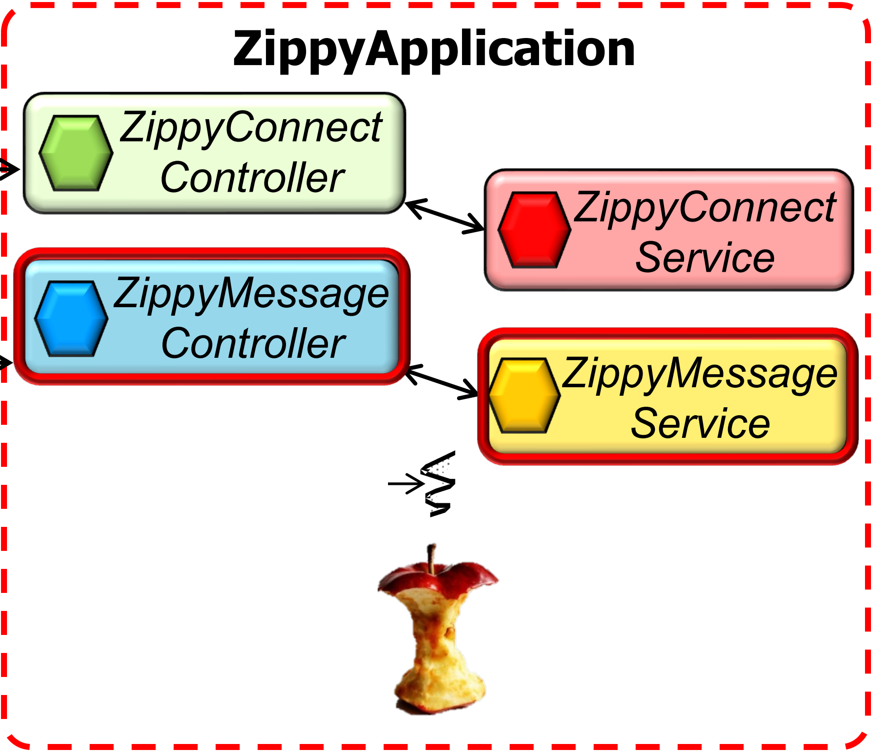
ZippyQuotesTest



```
/**
 * This program tests the PrimeCheckClient and its ability to
 * communicate with the PrimeCheckServerController.
 */
@SpringBootTest
@ContextConfiguration(classes = {
    Components.class,
    PrimeCheckClient.class,
    PrimeCheckController.class
})
public class PrimeCheckTest {
    /**
     * Debugging tag used by the logger.
     */
    private final String TAG = getClass().getSimpleName();

    /**
     * This object connects to the TestClient.  The {@code @Autowired}
     * annotation ensures this field is initialized via Spring
     * dependency injection, where an object receives another object
     * it depends on (e.g., by creating a {@link PrimeCheckClient}).
```

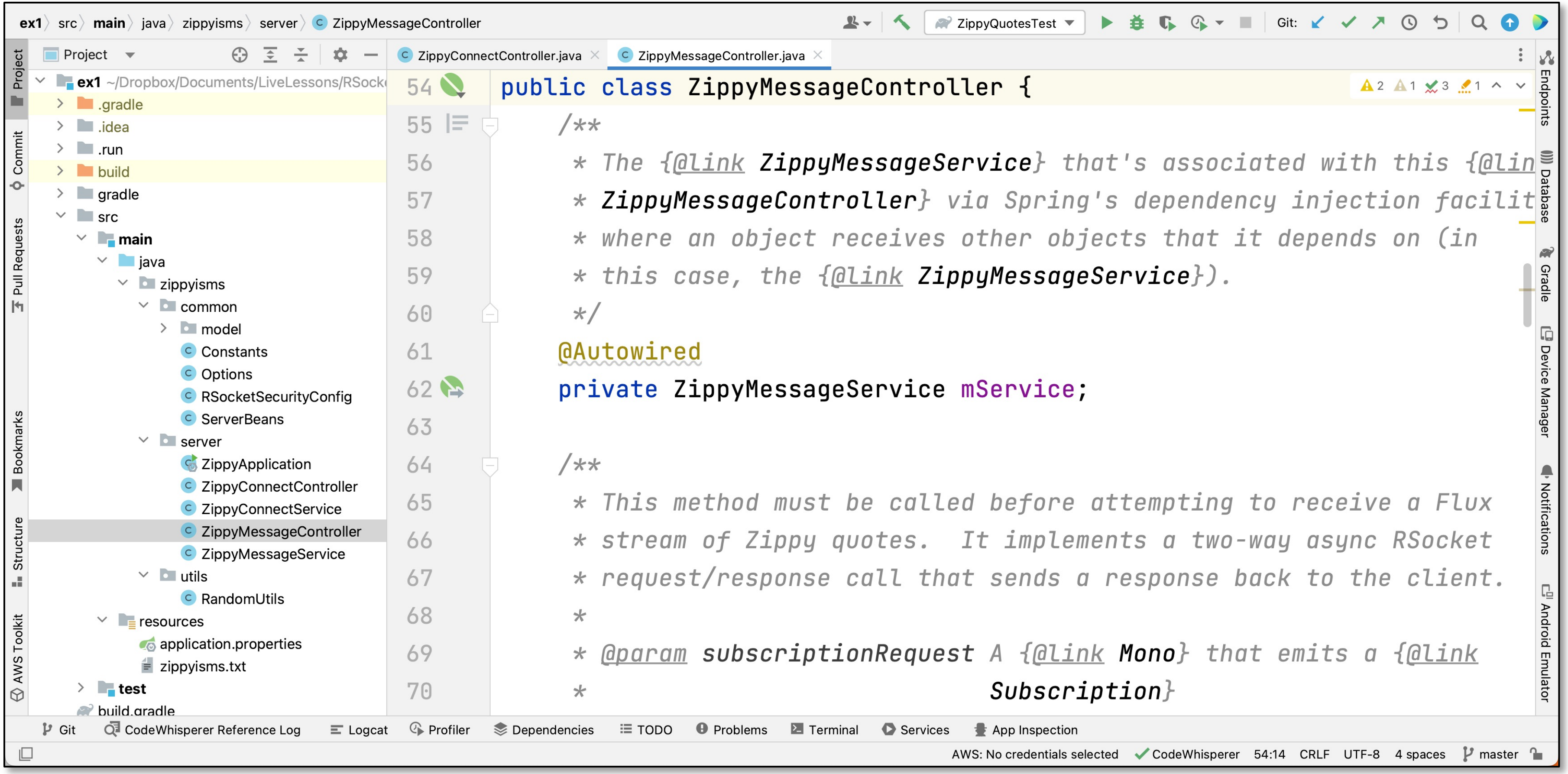
Asynchronous RSocket binary messages



ZippyApplication

Implementing the RSocket ZippyQuotes App Server

Implementing the RSocket ZippyQuotes App Server



```java
public class ZippyMessageController {
    /**
     * The {@link ZippyMessageService} that's associated with this {@lin
     * ZippyMessageController} via Spring's dependency injection facilit
     * where an object receives other objects that it depends on (in
     * this case, the {@link ZippyMessageService}).
     */
    @Autowired
    private ZippyMessageService mService;

    /**
     * This method must be called before attempting to receive a Flux
     * stream of Zippy quotes.  It implements a two-way async RSocket
     * request/response call that sends a response back to the client.
     *
     * @param subscriptionRequest A {@link Mono} that emits a {@link
     *                                                 Subscription}
```

See github.com/douglascraigschmidt/LiveLessons/tree/master/RSocket/ex1

End of Implemeting the RSocket ZippyQuotes Case Study App Server (Part 1)