

The BerraQuotes App Case Study: Implementing the Server Components

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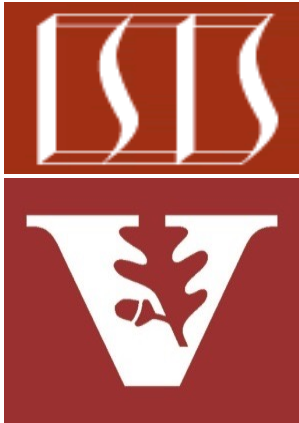
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Learning Objectives in this Part of the Lesson

- Understand the implementation of the BerraQuotesController & BerraQuotesService classes that run in the BerraQuotesApplication microservice

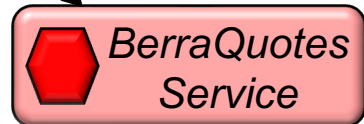
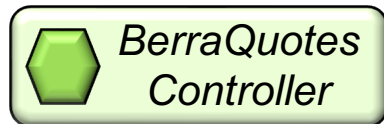
BerraQuotesTest

```
20 /**  
21  * This program tests the PrimeCheckClient and its ability to  
22  * communicate with the PrimeCheckServerController.  
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 @code @Link PrimeCheckClient).
```



*HTTP GET
requests/
responses*

BerraQuotesApplication



Implementing the BerraQuotes App Server

Implementing the BerraQuotes App Server

```
ex2 - BerraQuotesController.java [ex2.main]
ex2 src main java berraquotes BerraQuotesController
BerraQuotesController.java x Constants.java x
38 @RestController
39 public class BerraQuotesController {
40     /**
41      * Defines a central read-only context.
42      */
43     @Autowired
44     ApplicationContext applicationContext;
45
46     /**
47      * Spring injected {@link BerraQuotesService}.
48      */
49     @Autowired
50     private BerraQuotesService service;
51
52     /**
53      * A request for testing Eureka connection.
54      *
55      * @return The application name
56      */
```

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

End of the BerraQuotes App Case Study: Implementing the Server Components