

The BerraQuotes App Case Study: Implementing the Server Components

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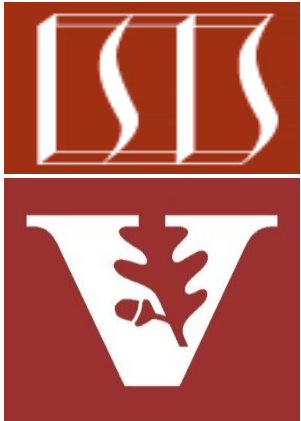
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Learning Objectives in this Part of the Lesson

- Understand the BerraQuotesController & BerraQuotes Service implementation strategy classes that run in the BerraQuotesApplication microservice

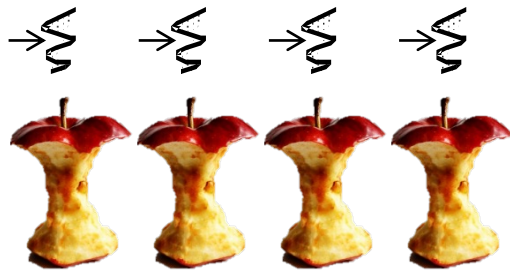
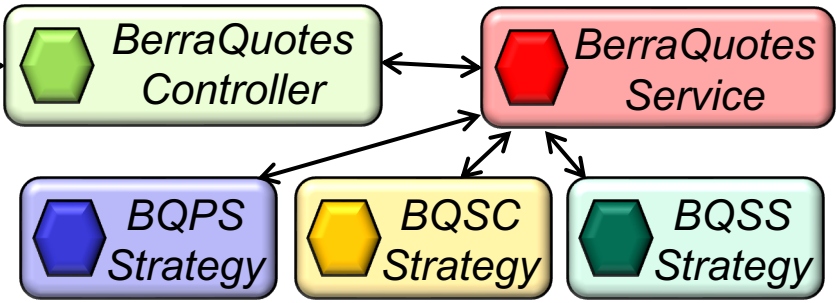
BerraQuotesTest

```
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 @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).
```



HTTP GET requests/responses

BerraQuotesApplication



Implementing the BerraQuotes App Server

Implementing the BerraQuotes App Server

```
ex2 | src | main | java | berraquotes | server | BerraQuotesController
BerraQuotesApplication
38 @RestController
39 public class BerraQuotesController {
40     /**
41      * Defines a central read-only context.
42      */
43     @Autowired
44     ApplicationContext mApplicationContext;
45
46     /**
47      * Spring injected {@link BerraQuotesService}.
48      */
49     @Autowired
50     private BerraQuotesService mService;
51
52     /**
53      * @param strategy Which implementation strategy to forward the
54      * request to
55      * @return A {@link List} of all {@link Quote} objects
56      */
```

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

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