

The QuoteServices App Case Study: Implementing the Client-related Classes

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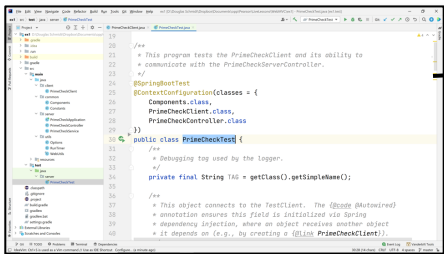
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Learning Objectives in this Part of the Lesson

- Understand the implementation of the client-related classes that send/receive HTTP GET/POST requests/responses to/from the QuoteServices microservices

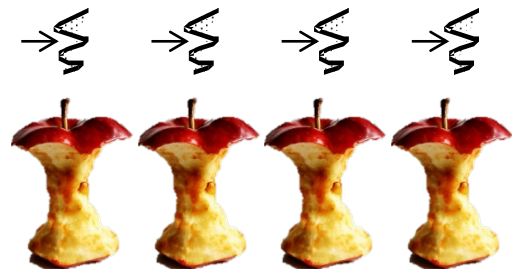
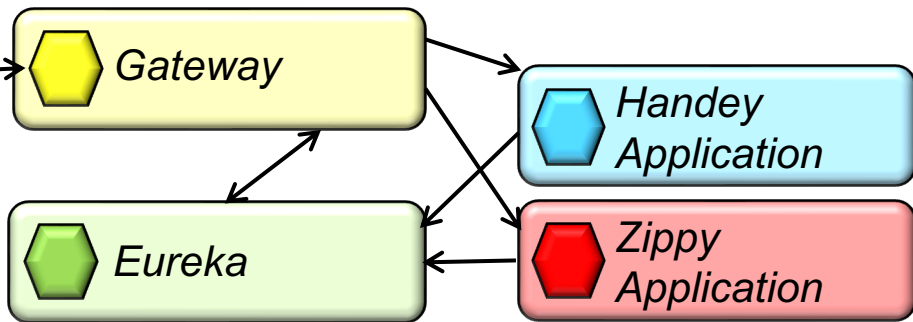
QuoteDriver



*Asynchronous
HTTP GET/POST
requests/
responses*

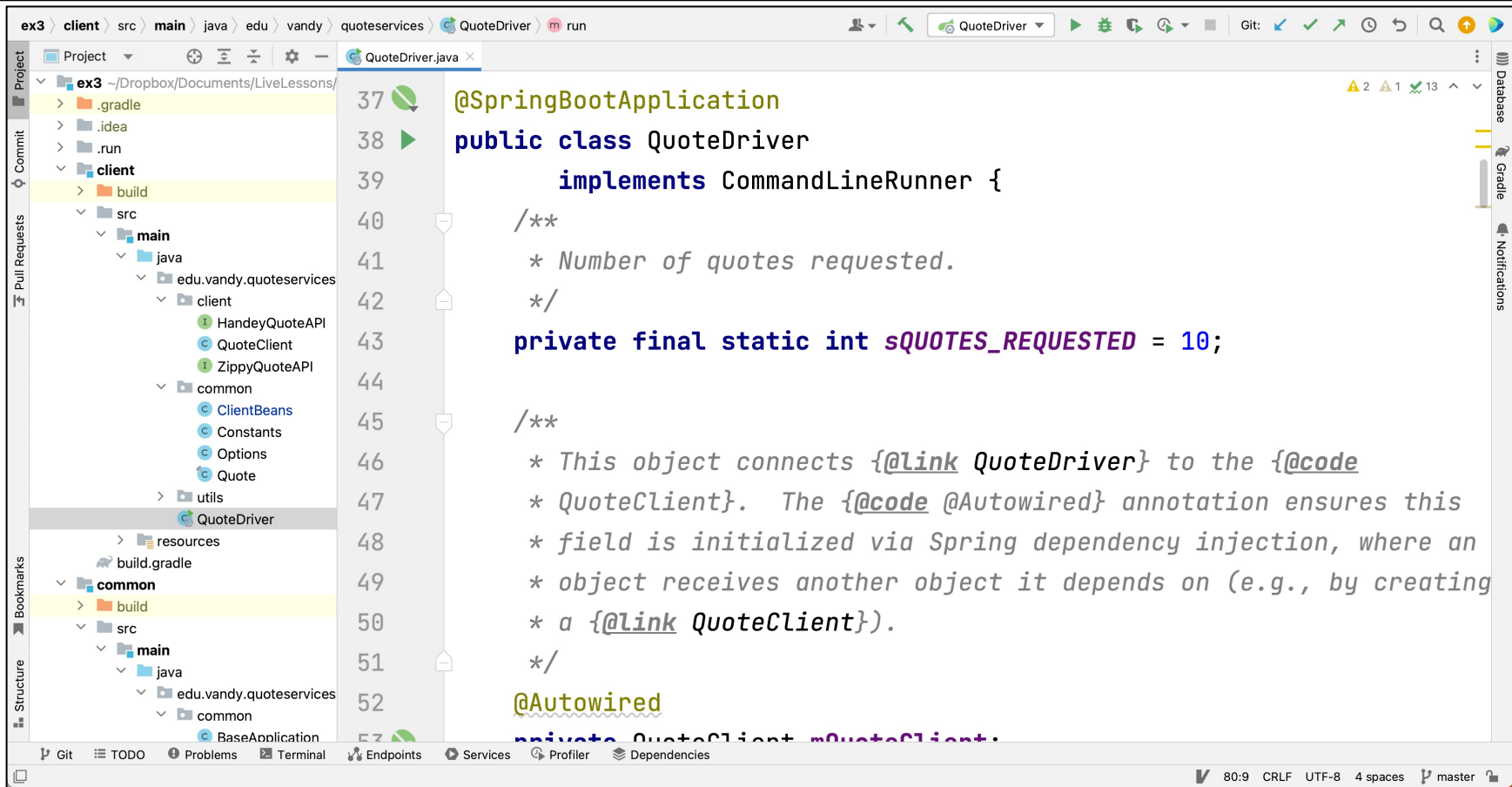


Microservice-based Quotes App



Implementing the QuoteServices App Client

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The screenshot shows an IDE window with the following components:

- Project Explorer (Left):** Displays the project structure. The path `ex3 > client > src > main > java > edu > vandy > quoteservices > QuoteDriver` is selected.
- Code Editor (Center):** Contains the `QuoteDriver.java` file. The code is as follows:

```
37 @SpringBootApplication
38 public class QuoteDriver
39     implements CommandLineRunner {
40     /**
41      * Number of quotes requested.
42      */
43     private final static int sQUOTES_REQUESTED = 10;
44
45     /**
46      * This object connects {@link QuoteDriver} to the {@code
47      * QuoteClient}. The {@code @Autowired} annotation ensures this
48      * field is initialized via Spring dependency injection, where an
49      * object receives another object it depends on (e.g., by creating
50      * a {@link QuoteClient}).
51      */
52     @Autowired
53     private QuoteClient mQuoteClient;
```
- Right Sidebar:** Includes tabs for Database, Gradle, and Notifications.
- Bottom Bar:** Contains tabs for Git, TODO, Problems, Terminal, Endpoints, Services, Profiler, and Dependencies. The status bar at the bottom right shows "80:9 CRLF UTF-8 4 spaces master".

See github.com/douglasraigschmidt/LiveLessons/tree/master/WebFlux/ex3

End of the QuoteServices App Case Study: Implementing the Client- related Classes