The QuoteServices App Case Study: Implementing Zippy Microservice (Part 2)

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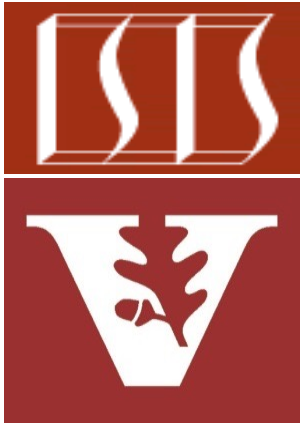### d.schmidt@vanderbilt.edu
www.dre.vanderbilt.edu/~schmidt
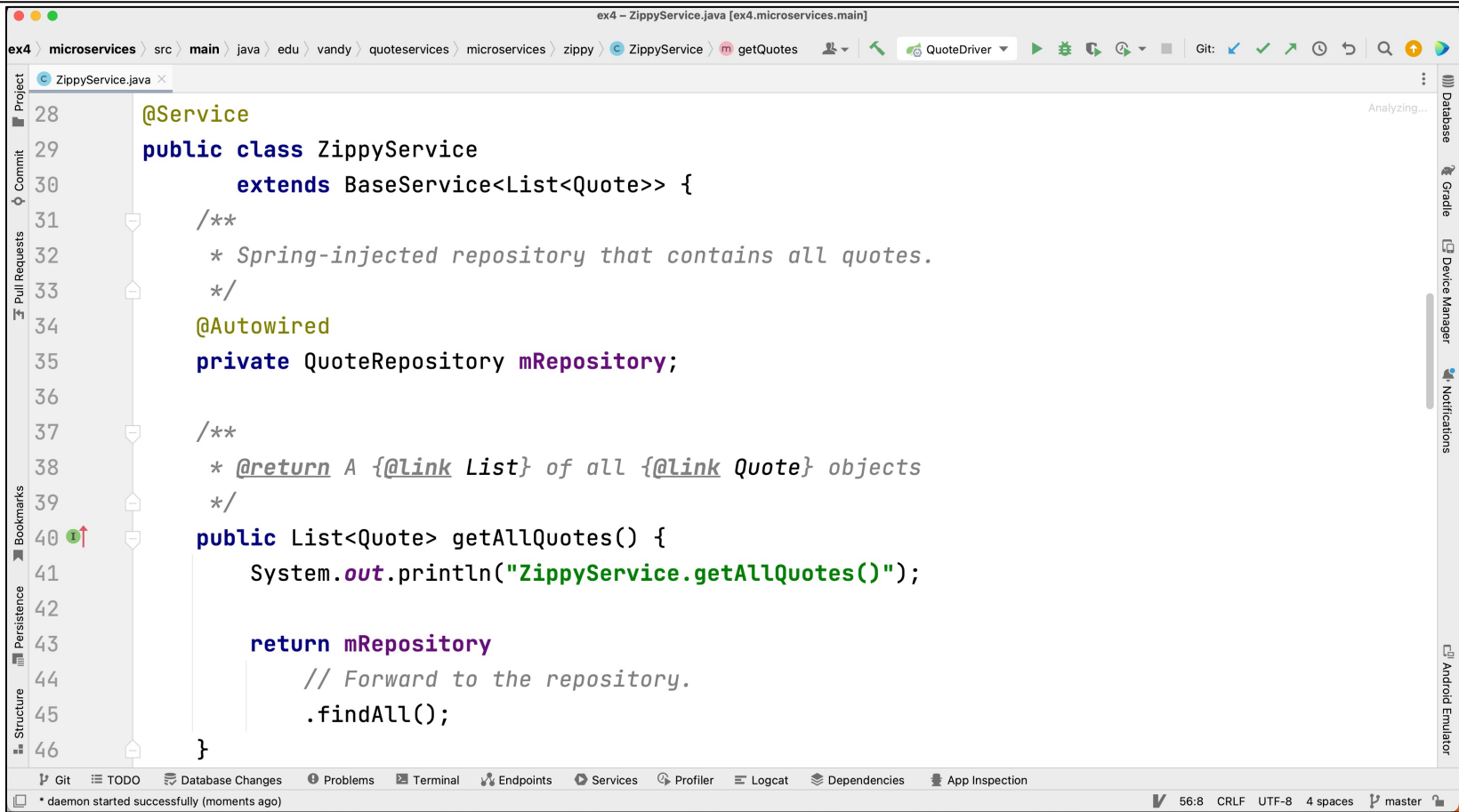
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Learning Objectives in this Part of the Lesson

- Understand the implementation of ZippyController & ZippyService classes in the ZippyApplication microservice (also shows the use of custom SQL query)

QuoteDriver

Synchronous HTTP GET/POST requests/ responses

Microservice-based Quotes App

Gateway

Handey Application

Eureka

Zippy Application

Shows both parallel & sequential uses of the Jakarta Persistence API (JPA)

Implementing the Zippy Application Microservice

Implementing the ZippyApplication Microservice

ex4 › **microservices** › src › **main** › java › edu › vandy › quoteservices › microservices › zippy › © ZippyService › m getQuotes

ZippyService.java

```java
28   @Service
29   public class ZippyService
30           extends BaseService<List<Quote>> {
31       /**
32        * Spring-injected repository that contains all quotes.
33        */
34       @Autowired
35       private QuoteRepository mRepository;
36
37       /**
38        * @return A {@link List} of all {@link Quote} objects
39        */
40       public List<Quote> getAllQuotes() {
41           System.out.println("ZippyService.getAllQuotes()");
42
43           return mRepository
44               // Forward to the repository.
45               .findAll();
46       }
```

See github.com/douglascraigschmidt/LiveLessons/tree/master/WebMVC/ex4

End of the QuoteServices App Case Study: Implementing the Zippy Microservice (Part 2)