The QuoteServices App Case Study: Implementing the Zippy Microservice

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Learning Objectives in this Part of the Lesson

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

QuoteDriver

Microservice-based Quotes App

- Gateway
- Handey Application
- Eureka
- Zippy Application

HTTP GET/POST requests/responses

Shows reactive encapsulation of the Jakarta Persistence API (JPA)
Implementing the Zippy Application Microservice
Implementing the ZippyApplication Microservice

```java
@Service
public class ZippyService {

    /*
     * Spring-injected repository that contains all quotes.
     */

    @Autowired
    private JPAQuoteRepository mRepository;

    /**
     * @return A {@link Flux} that emits all {@link Quote} objects
     */

    public Flux<Quote> getAllQuotes() {
        return Flux.fromIterable(mRepository.findAll());
    }

    // Convert List to a Flux.
    .fromIterable(it: mRepository
                .findAll());
```
End of the QuoteServices App Case Study: Implementing the Zippy Microservice