The QuoteServices App Case Study: Implementing the Handey Microservice

Douglas C. Schmidt
d.schmidt@vanderbilt.edu
www.dre.vanderbilt.edu/~schmidt

Professor of Computer Science
Institute for Software Integrated Systems
Vanderbilt University
Nashville, Tennessee, USA
Learning Objectives in this Part of the Lesson

- Understand how the Controller, Service, & Repository classes are implemented in the HandeyApplication microservice.

**QuoteDriver**

**Microservice-based Quotes App**

- Gateway
- Handey Application
- Eureka
- Zippy Application

Uses the R2DBC reactive database framework.
Implementing the Handey Application Microservice
Implementing the HandeyApplication Microservice

```java
@Service
public class HandeyService {

    /**
     * Spring-injected repository that contains all quotes.
     */
    @Autowired
    private ReactiveQuoteRepository mRepository;

    /**
     * @return A [Flux] of all [Quote] objects
     */
    public Flux<Quote> getAllQuotes() {
        return mRepository.findAll();
    }
}
```

See WebFlux/ex3/handeymicroservice/src/main/java/edu/vandy/quoteservices
End of the QuoteServices App Case Study: Implementing the Handey Microservice