

The QuoteServices App Case Study: Implementing Classes in the Common Module

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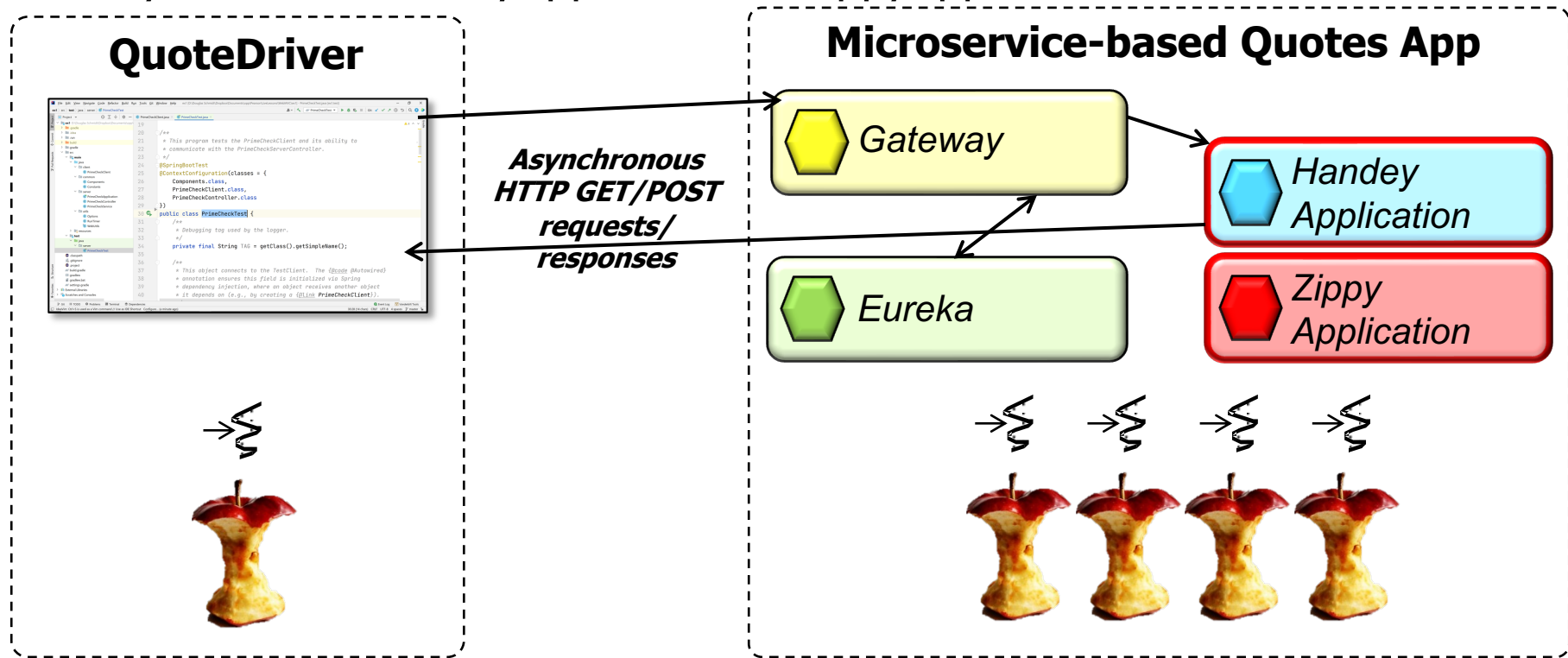
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Learning Objectives in this Part of the Lesson

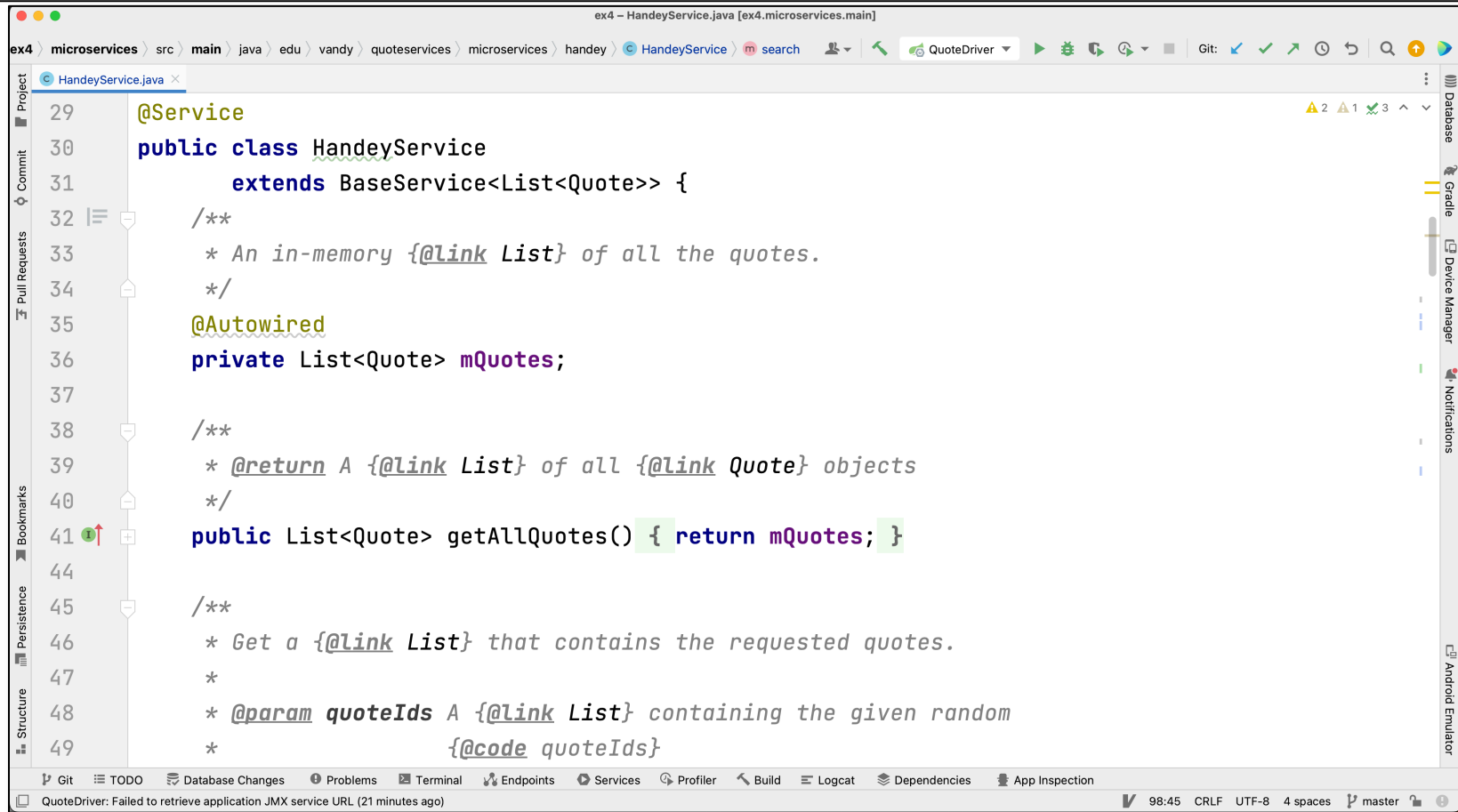
- Understand the implementation of classes in the common module that are used by both the HandeyApplication & ZippyApplication microservices



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

Implementing Classes in the Common Module

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The screenshot shows an IDE window titled "ex4 - HandeyService.java [ex4.microservices.main]". The file path in the breadcrumb is "ex4 > microservices > src > main > java > edu > vandy > quoteservices > microservices > handey > HandeyService". The code defines a Spring Service class named `HandeyService` that extends `BaseService<List<Quote>>`. It includes a private field `mQuotes` annotated with `@Autowired` and a public method `getAllQuotes()` that returns `mQuotes`. The IDE interface includes a left sidebar with "Project", "Commit", "Pull Requests", "Bookmarks", "Persistence", and "Structure" views. The right sidebar shows "Database", "Gradle", "Device Manager", "Notifications", and "Android emulator". The bottom status bar displays "QuoteDriver: Failed to retrieve application JMX service URL (21 minutes ago)", "98:45", "CRLF", "UTF-8", "4 spaces", "master", and a refresh icon.

```
29  @Service
30  public class HandeyService
31      extends BaseService<List<Quote>> {
32      /**
33       * An in-memory {@link List} of all the quotes.
34       */
35      @Autowired
36      private List<Quote> mQuotes;
37
38      /**
39       * @return A {@link List} of all {@link Quote} objects
40       */
41      public List<Quote> getAllQuotes() { return mQuotes; }
42
43
44
45      /**
46       * Get a {@link List} that contains the requested quotes.
47       *
48       * @param quoteIds A {@link List} containing the given random
49       *                 {@code quoteIds}
```

See [WebFlux/ex3/common/src/main/java/edu/vandy/quoteservices/common](https://github.com/Netflix/webflux-examples/tree/master/ex3/common/src/main/java/edu/vandy/quoteservices/common)

End of the QuoteServices App Case Study: Implementing Classes in the Common Module