The BerraQuotes App Case Study: Overview

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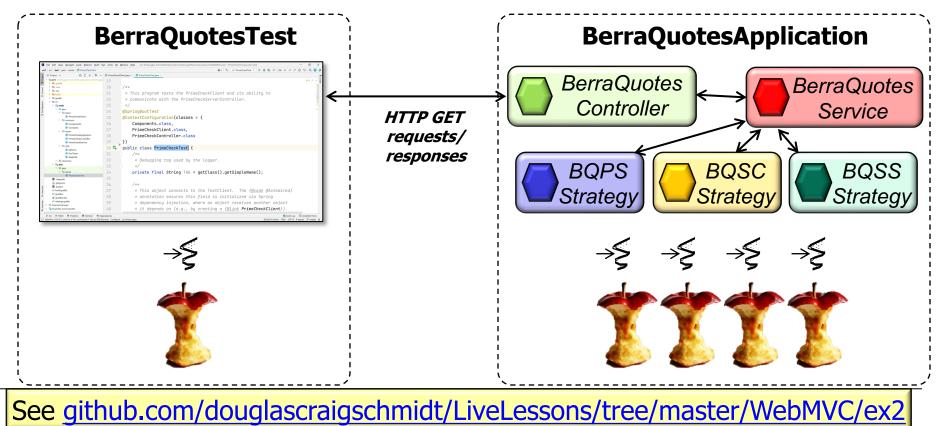
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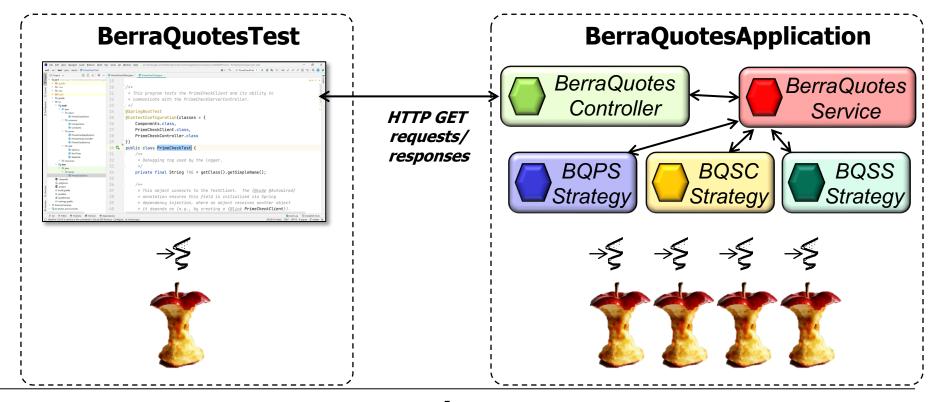


Learning Objectives in this Part of the Lesson

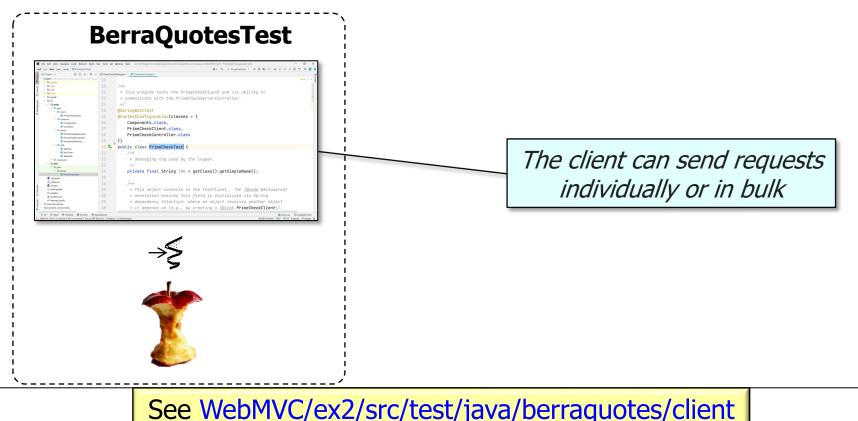
• Understand how functional programming & various Java frameworks are applied in a case study using Spring WebMVC to obtain Yogi Berra quotes



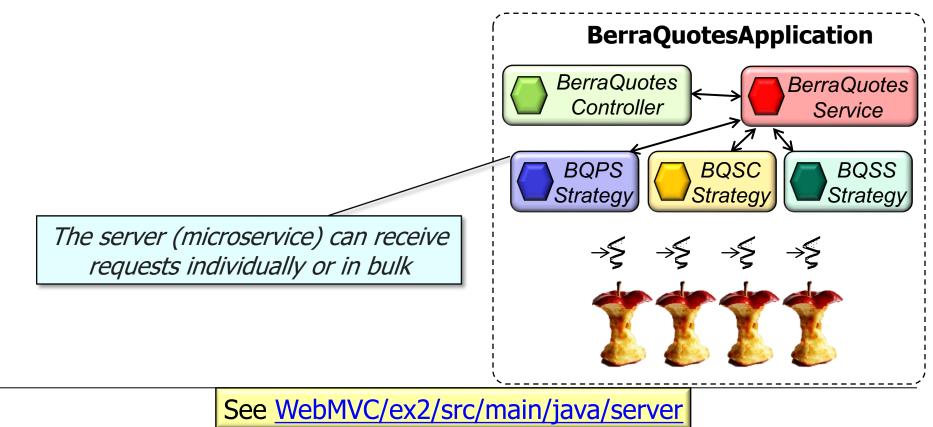
• This case study shows how Spring WebMVC can be used to send & receive HTTP GET requests to/from several microservice implementation strategies



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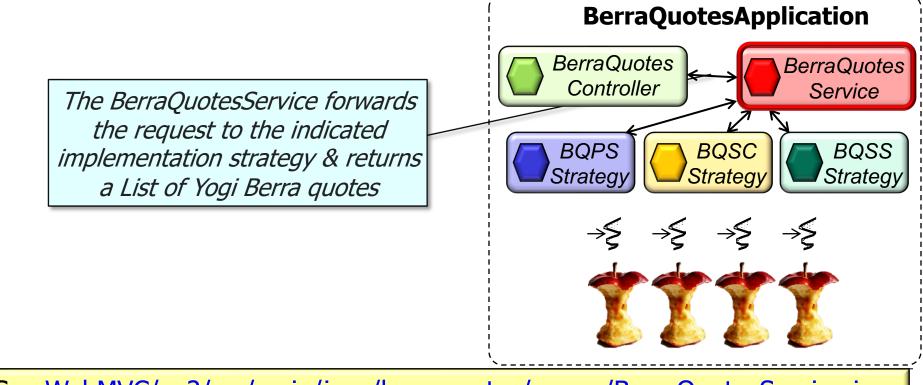
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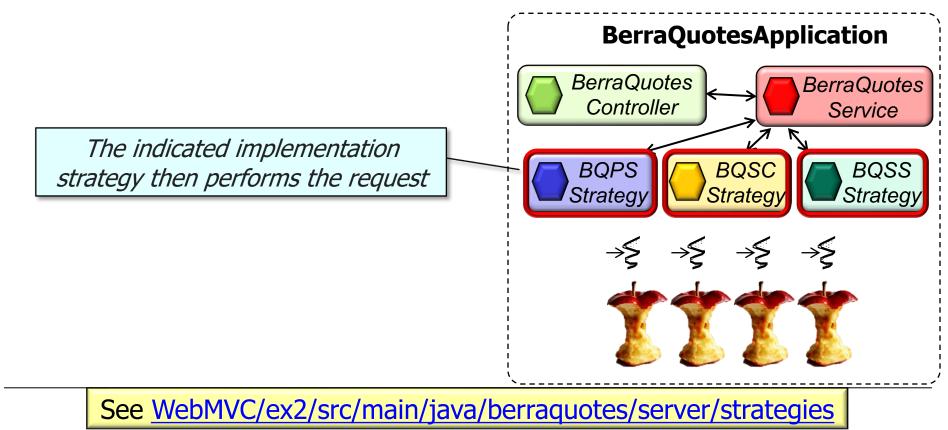
BerraQuotesApplication BerraQuotes BerraQuotes Controller Service The BerraQuotesController automatically converts HTTP GET **BQPS** BQSC **BQSS** requests into Java types & forwards Strategy Strategy Strategy them to the BerraQuotesService See WebMVC/ex2/src/main/java/berraquotes/server/BerraQuotesController.java

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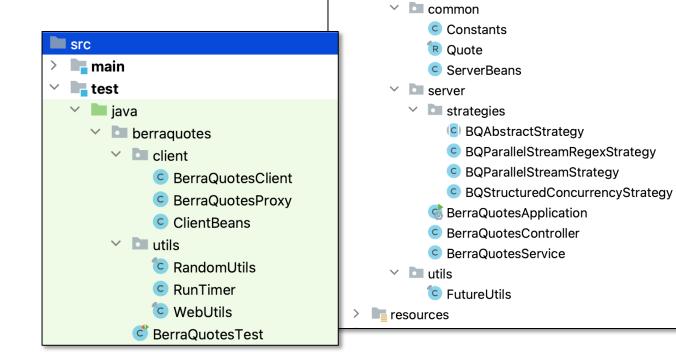


See <u>WebMVC/ex2/src/main/java/berraquotes/server/BerraQuotesService.java</u>

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• The BerraQuotes App project source code is organized into several packages



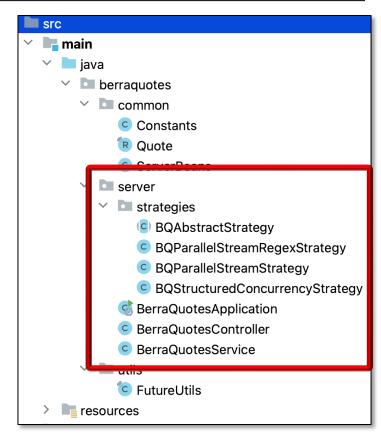
src

📑 main

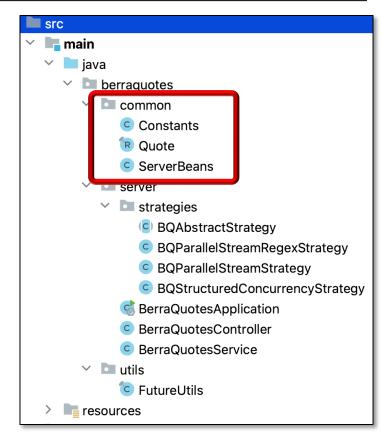
🗡 🖿 java

See github.com/douglascraigschmidt/LiveLessons/tree/master/WebMVC/ex2

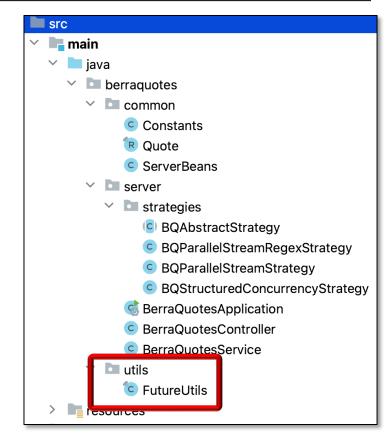
- The BerraQuotes App project source code is organized into several packages
 - main
 - berraquotes
 - Contains the "app" entry point, the controller, the service, & the implementation strategies



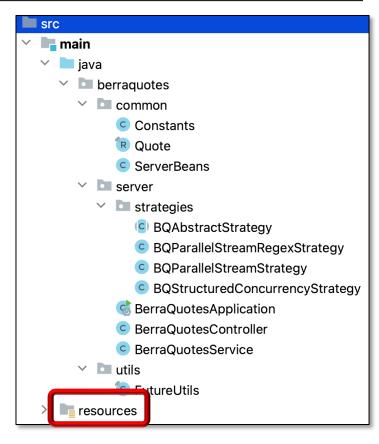
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 - Consolidates various projectspecific helper classes & the model



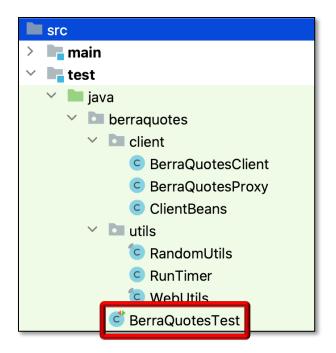
- The BerraQuotes App project source code is organized into several packages
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 - Contains the "app" entry point, the controller, the service, & the implementation strategies
 - Consolidates various projectspecific helper classes & the model
 - General-purpose utilities



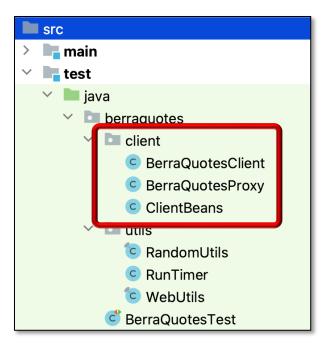
- The BerraQuotes App project source code is organized into several packages
 - main
 - berraquotes
 - resources
 - Defines various application properties
 - e.g., name & port number



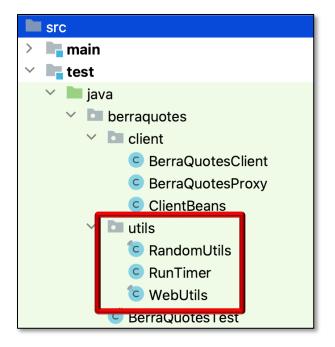
- The BerraQuotes App project source code is organized into several packages
 - test
 - BerraQuotesTest
 - This test driver initiates calls to the BerraQuotes microservice



- The BerraQuotes App project source code is organized into several packages
 - test
 - BerraQuotesTest
 - client
 - Sends HTTP GET requests to the BerraQuotes microservice



- The BerraQuotes App project source code is organized into several packages
 - test
 - BerraQuotesTest
 - client
 - utils
 - Consolidates various reusable helper classes



End of the BerraQuotes App Case Study: Overview