The PrimeCheck App Case Study: Test Driver Implementation & Performance

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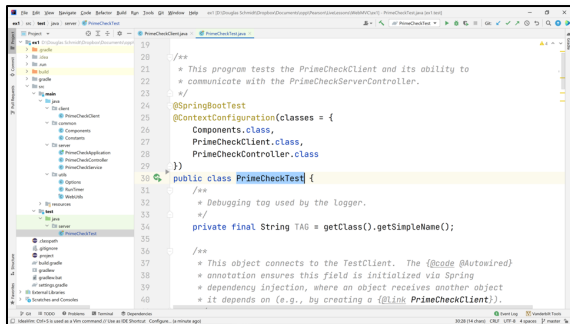Professor of Computer Science

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Learning Objectives in this Part of the Lesson

- Understand the implementation of a test driver program that runs the PCClient* classes & measures the performance of various methods
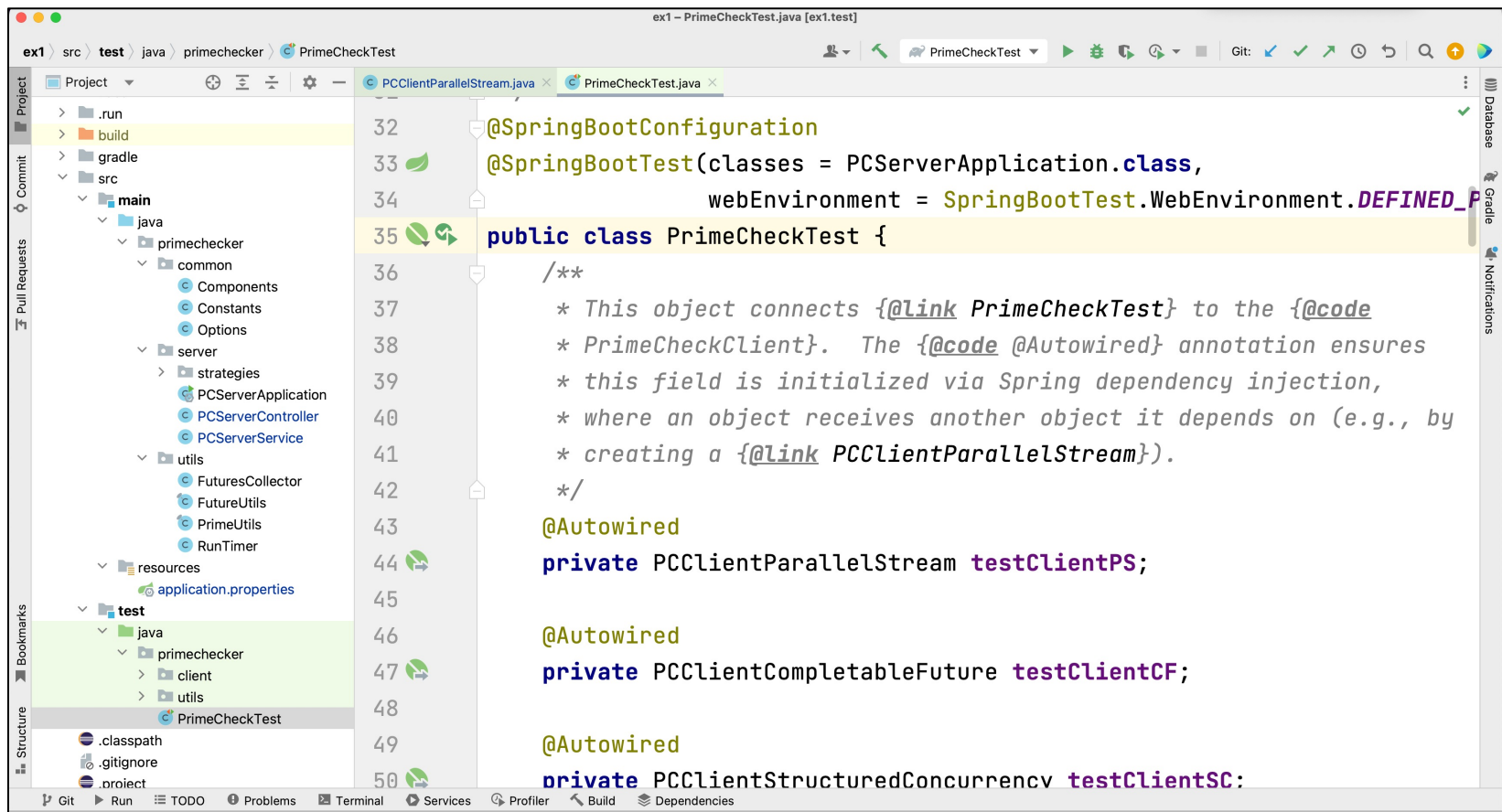
Implementing the PrimeCheckTest Driver

Implementing the PrimeCheckTest Driver


```
     @SpringBootConfiguration
32
33   @SpringBootTest(classes = PCServerApplication.class,
34                   webEnvironment = SpringBootTest.WebEnvironment.DEFINED_P
35   public class PrimeCheckTest {
36       /**
37        * This object connects {@link PrimeCheckTest} to the {@code
38        * PrimeCheckClient}.  The {@code @Autowired} annotation ensures
39        * this field is initialized via Spring dependency injection,
40        * where an object receives another object it depends on (e.g., by
41        * creating a {@link PCClientParallelStream}).
42        */
43       @Autowired
44       private PCClientParallelStream testClientPS;
45
46       @Autowired
47       private PCClientCompletableFuture testClientCF;
48
49       @Autowired
50       private PCClientStructuredConcurrency testClientSC;
```

See github.com/douglascraigschmidt/LiveLessons/tree/master/WebMVC/ex1

End of the PrimeCheck App Case Study: Test Driver