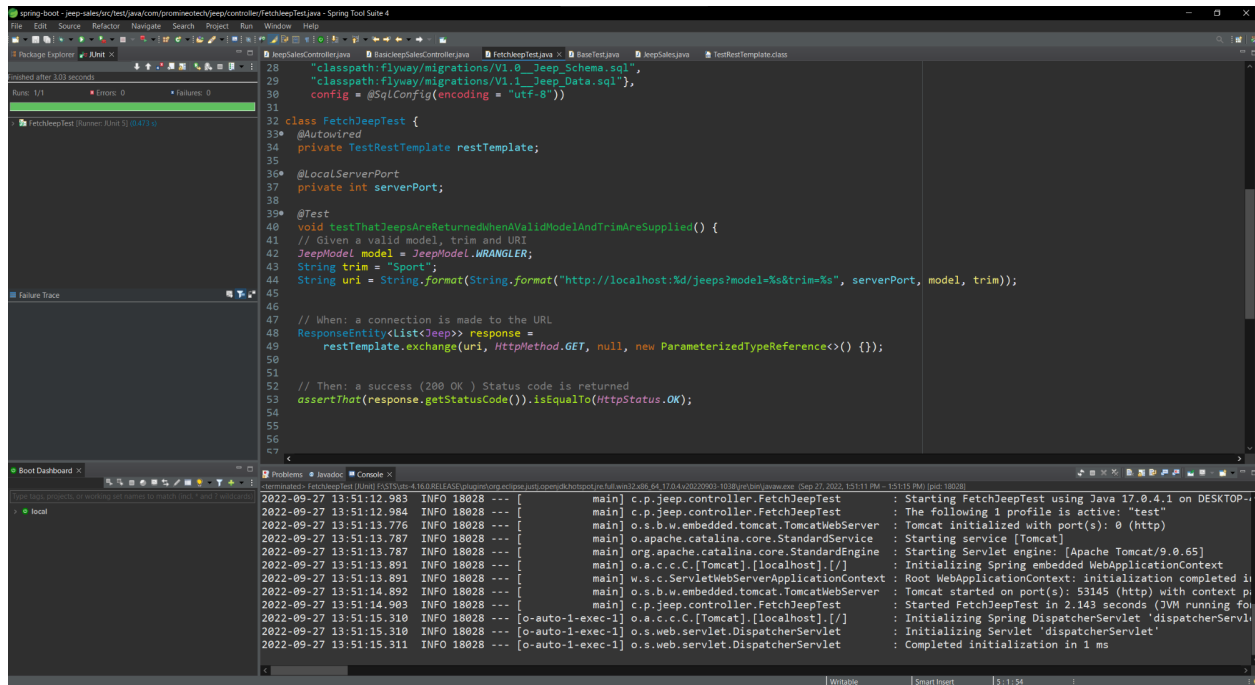


FetchJeepTest.Java Working.

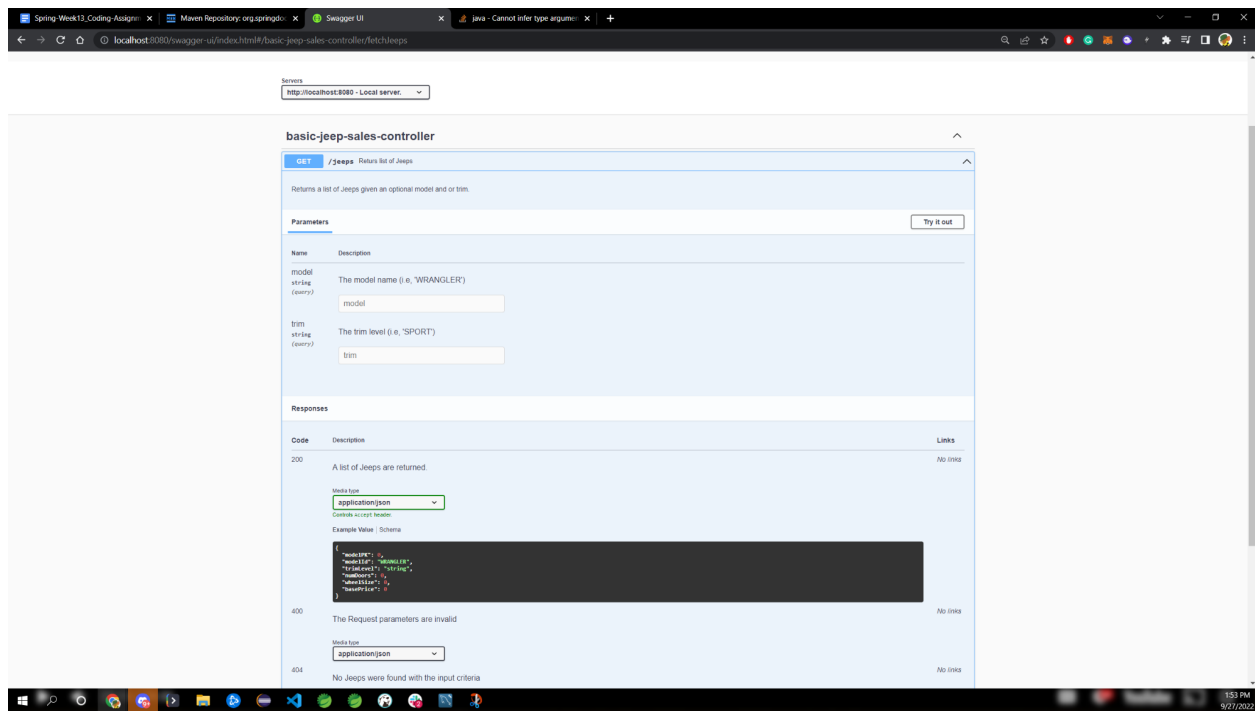


The screenshot shows an IDE window with the following components:

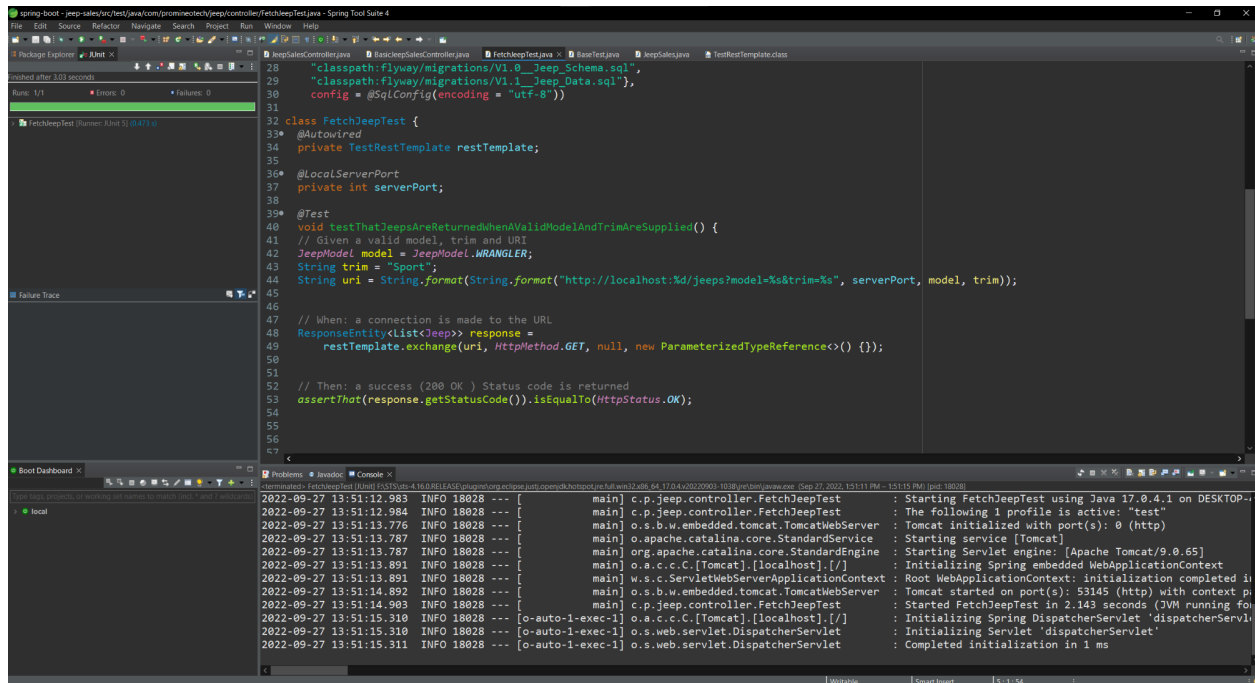
- Package Explorer:** Shows the project structure with packages like `jeepSales.controller` and `jeepSales.model`.
- FetchJeepTest.java:** The main code file, showing a test class with annotations like `@Autowired`, `@LocalServerPort`, and `@Test`. The test method `testThatJeepsAreReturnedWhenAValidModelAndTrimAreSupplied()` uses `ResponseEntity` and `assertThat` to verify the API response.
- Run Console:** Displays the execution logs, showing the start of the application, the initialization of the Spring context, and the successful execution of the test.

```
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31
32 class FetchJeepTest {
33     @Autowired
34     private TestRestTemplate restTemplate;
35
36     @LocalServerPort
37     private int serverPort;
38
39     @Test
40     void testThatJeepsAreReturnedWhenAValidModelAndTrimAreSupplied() {
41         // Given a valid model, trim and URI
42         JeepModel model = JeepModel.WRANGLER;
43         String trim = "Sport";
44         String url = String.format("http://localhost:%d/jeeps?model=%s&trim=%s", serverPort, model, trim);
45
46         // When: a connection is made to the URL
47         ResponseEntity<List<Jeep>> response =
48             restTemplate.exchange(url, HttpMethod.GET, null, new ParameterizedTypeReference<>() {});
49
50         // Then: a success (200 OK) Status code is returned
51         assertThat(response.getStatusCode(), isEqualTo(HttpStatus.OK));
52     }
53
54
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```

Local host running information from swagger.



FetchJeepTest.Java Working.

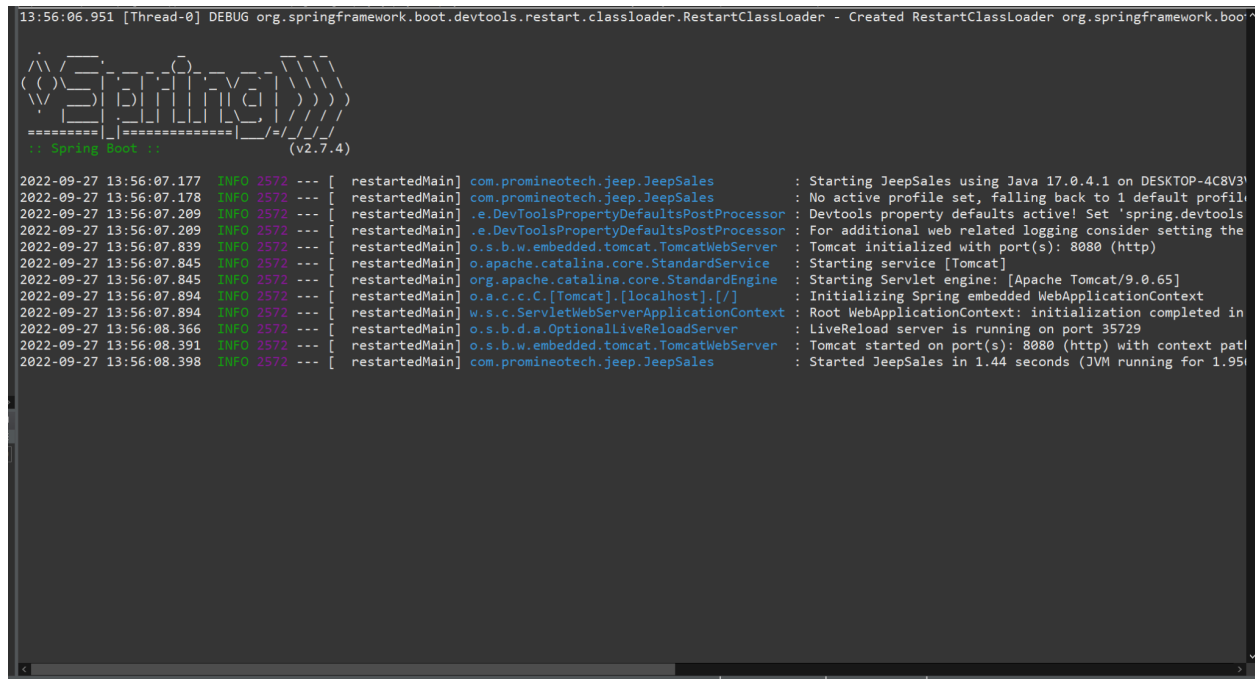


The screenshot shows an IDE window with the following components:

- Package Explorer:** Shows the project structure with a package named `FetchJeepTest`.
- Run Console:** Displays the output of the test execution, showing that the test passed successfully.
- FetchJeepTest.java:** The source code of the test class, which is a JUnit 5 test class. It uses `TestRestTemplate` to perform a GET request to `http://localhost:8080/jeeps?model=Wrangler&trim=Sport` and asserts that the status code is 200 OK.
- Console:** Shows the output of the test execution, including the URL used and the status code returned.

```
20  "classpath:flyway/migrations/V1_0_jeep_schema.sql",
21  "classpath:flyway/migrations/V1_1_jeep_data.sql"),
22  config = @SqlConfig(encoding = "utf-8"))
23
24 class FetchJeepTest {
25     @Autowired
26     private TestRestTemplate restTemplate;
27
28     @LocalServerPort
29     private int serverPort;
30
31     @Test
32     void testThatJeepsAreReturnedWhenAValidModelAndTrimAreSupplied() {
33         // Given a valid model, trim and URI
34         JeepModel model = JeepModel.WRANGLER;
35         String trim = "Sport";
36         String uri = String.format("http://localhost:%d/jeeps?model=%s&trim=%s", serverPort, model, trim);
37
38         // When: a connection is made to the URL
39         ResponseEntity<List<Jeep>> response =
40             restTemplate.exchange(uri, HttpMethod.GET, null, new ParameterizedTypeReference<>() {});
41
42         // Then: a success (200 OK) Status code is returned
43         assertEquals(response.getStatusCode(), HttpStatus.OK);
44     }
45 }
```

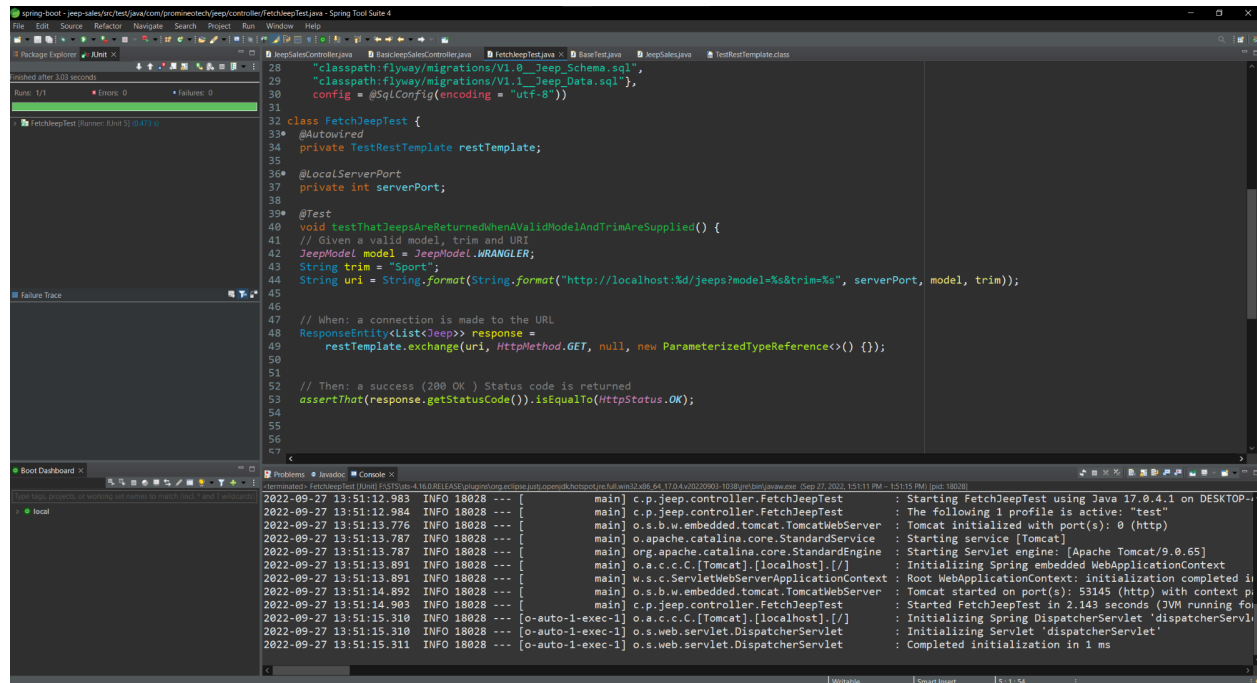
Screen shot of running application



The screenshot shows a terminal window with the following output:

```
13:56:06.951 [Thread-0] DEBUG org.springframework.boot.devtools.restart.classloader.RestartClassLoader - Created RestartClassLoader org.springframework.boot.devtools.restart.classloader.RestartClassLoader
Spring Boot (v2.7.4)
2022-09-27 13:56:07.177 INFO 2572 --- [ restartedMain] com.promineotech.jee... : Starting JeepSales using Java 17.0.4.1 on DESKTOP-4C8V3
2022-09-27 13:56:07.178 INFO 2572 --- [ restartedMain] com.promineotech.jee... : No active profile set, falling back to 1 default profile:
2022-09-27 13:56:07.209 INFO 2572 --- [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : DevTools property defaults active! Set 'spring.devtools
2022-09-27 13:56:07.209 INFO 2572 --- [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the
2022-09-27 13:56:07.839 INFO 2572 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-09-27 13:56:07.845 INFO 2572 --- [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-09-27 13:56:07.845 INFO 2572 --- [ restartedMain] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.65]
2022-09-27 13:56:07.894 INFO 2572 --- [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2022-09-27 13:56:07.894 INFO 2572 --- [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in
2022-09-27 13:56:08.366 INFO 2572 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2022-09-27 13:56:08.391 INFO 2572 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path
2022-09-27 13:56:08.398 INFO 2572 --- [ restartedMain] com.promineotech.jee... : Started JeepSales in 1.44 seconds (JVM running for 1.95s)
```

FetchJeepTest.Java Working.



The screenshot shows an IDE window with the following content:

- FetchJeepTest.java:**

```
20 "classpath:flyway/migrations/V1.0__Jeep_Schema.sql",
21 "classpath:flyway/migrations/V1.1__Jeep_Data.sql"),
22 config = @SqlConfig(encoding = "utf-8"))
23
24 class FetchJeepTest {
25     @Autowired
26     private TestRestTemplate restTemplate;
27
28     @LocalServerPort
29     private int serverPort;
30
31     @Test
32     void testThatJeepsAreReturnedWhenAValidModelAndTrimAreSupplied() {
33         // Given a valid model, trim and URI
34         JeepModel model = JeepModel.WRANGLER;
35         String trim = "Sport";
36         String uri = String.format("http://localhost:%d/jeeps?model=%s&trim=%s", serverPort, model, trim);
37
38         // When: a connection is made to the URL
39         ResponseEntity<List<Jeep>> response =
40             restTemplate.exchange(uri, HttpMethod.GET, null, new ParameterizedTypeReference<>() {});
41
42         // Then: a success (200 OK) Status code is returned
43         assertEquals(response.getStatusCode(), HttpStatus.OK);
44     }
45 }
```
- Console:**

```
2022-09-27 13:51:12.983 INFO 18028 --- [main] c.p.jeepp.controller.FetchJeepTest : Starting FetchJeepTest using Java 17.0.4.1 on DESKTOP-...
2022-09-27 13:51:12.984 INFO 18028 --- [main] c.p.jeepp.controller.FetchJeepTest : The following 1 profile is active: "test"
2022-09-27 13:51:13.776 INFO 18028 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 0 (http)
2022-09-27 13:51:13.787 INFO 18028 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-09-27 13:51:13.787 INFO 18028 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.65]
2022-09-27 13:51:13.891 INFO 18028 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2022-09-27 13:51:13.891 INFO 18028 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1 ms
2022-09-27 13:51:14.892 INFO 18028 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 53145 (http) with context path: /
2022-09-27 13:51:14.903 INFO 18028 --- [main] c.p.jeepp.controller.FetchJeepTest : Started FetchJeepTest in 2.143 seconds (JVM running for 3.012s)
2022-09-27 13:51:15.310 INFO 18028 --- [o-auto-1-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2022-09-27 13:51:15.310 INFO 18028 --- [o-auto-1-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2022-09-27 13:51:15.311 INFO 18028 --- [o-auto-1-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
```

Local Host response is 404 I am not sure if this is supposed to happen or not. I think because we don't have a homepage setup it gives this error but if there is any problem I would need some extra help to fix it if possible thank you!



Git hub link:

<https://github.com/JoeItalics/Promineo-Tech-HWs/tree/main/week13>