

Web API Design with Spring Boot Week 15 Coding Assignment


Points possible: 75

URL to GitHub Repository: <https://github.com/ssteve1/Week15--Spring-Boot.git>


URL to Public Link of your Video: <https://youtu.be/WV-IsAGhtOc>

Instructions :

1. Follow the **Coding Steps** below to complete this assignment.

- In Spring Tool Suite (STS), or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed.
- Use your existing repo or create a new repository on GitHub for this week's assignment and push your completed code to the repo, including your entire Maven Project Directory (e.g., jeep-sales) and any additional files (e.g. .sql files) that you create. In addition, screenshot your ERD and push the screenshot to your GitHub repo.
- Include the screenshots into this Assignment Document indicated by: 
- Create a video showcasing your work:
 - In this video: record and present your project verbally while showing the results of the working project.
 - Easy way to Create a video: Start a meeting in Zoom, share your screen, open Eclipse with the code and your Console window, start recording & record yourself describing and running the program showing the results.
 - Your video should be a maximum of 5 minutes.
 - Upload your video with a public link.
 - Easy way to Create a Public Video Link: Upload your video recording to YouTube with a public link.

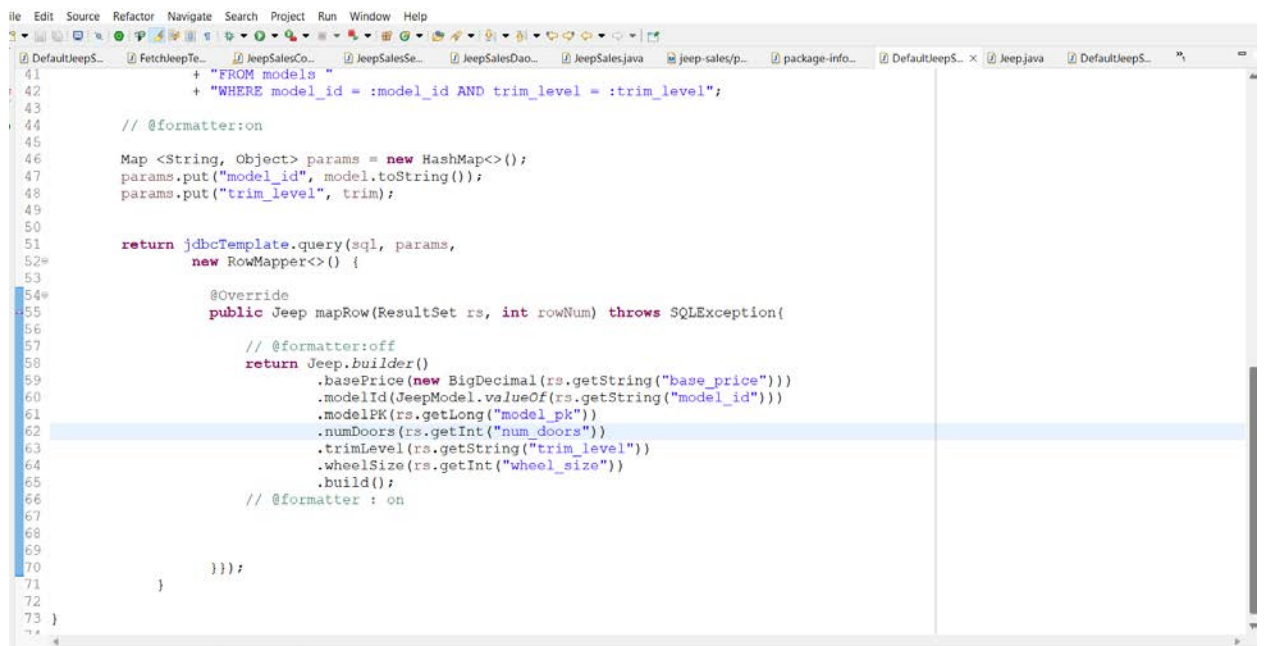
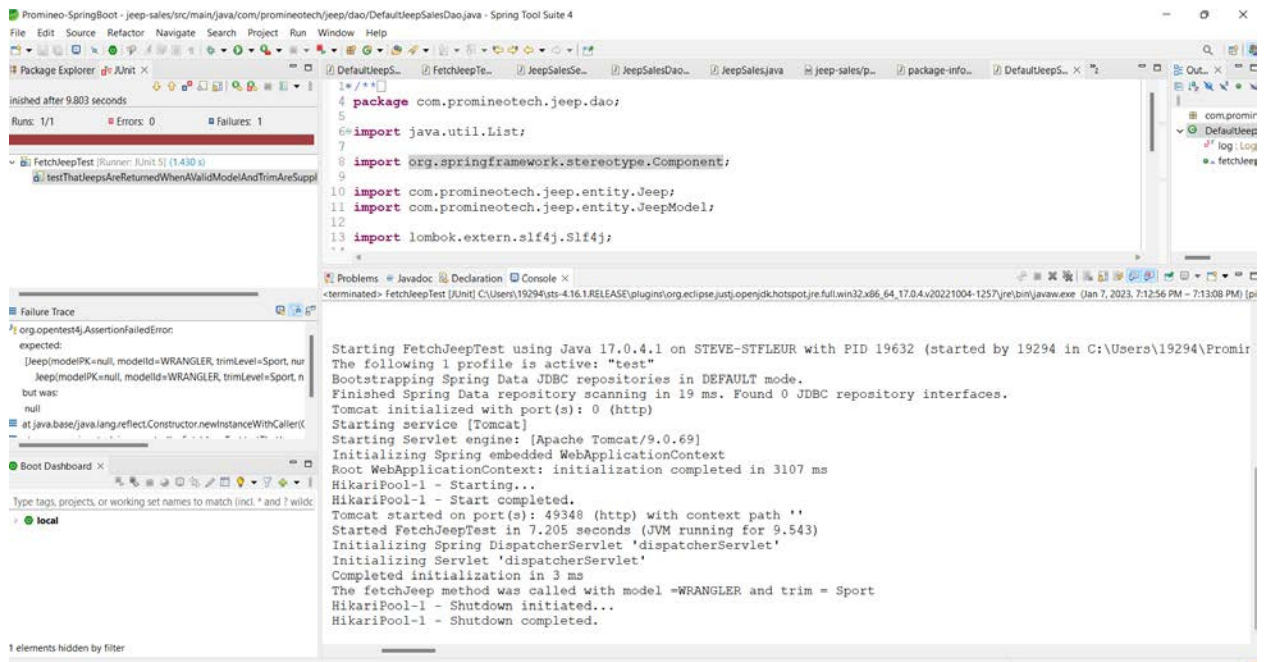
2. In addition, please include the following in your Coding Assignment Document:

- The requested screenshots, indicated by: 
- The URL for this week's GitHub repository.
- The URL of the public link of your video.

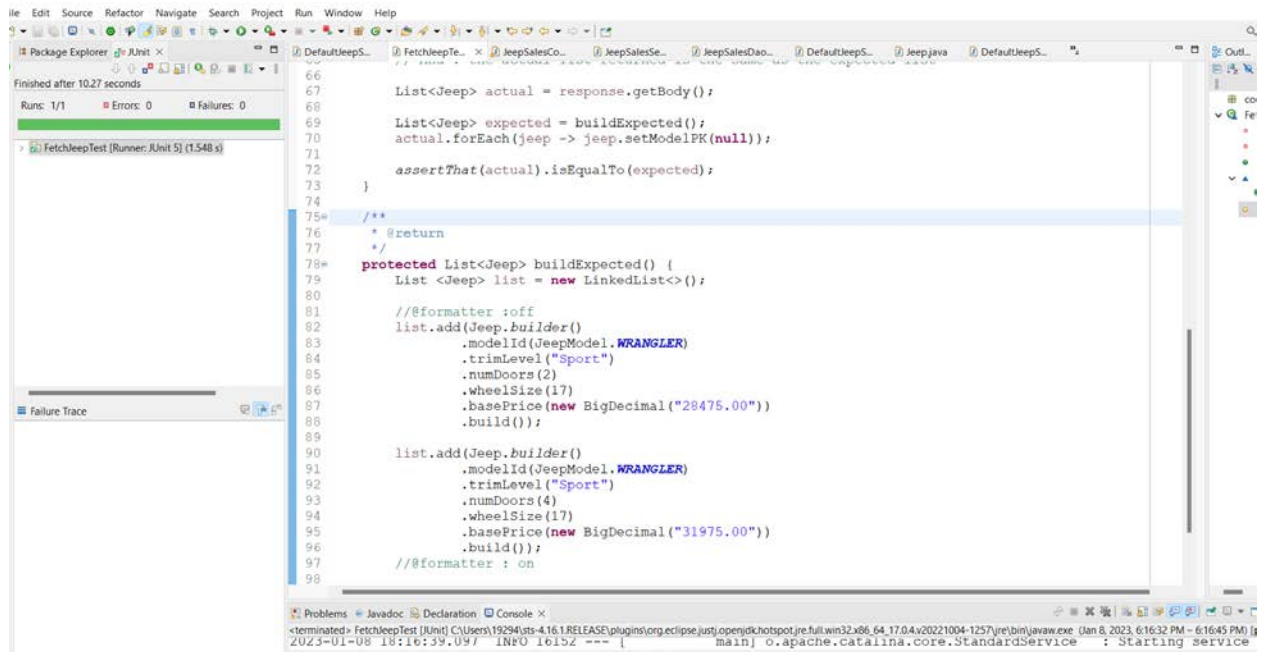
3. Save the Coding Assignment Document as a .pdf and do the following:

- Push the .pdf to the GitHub repo for this week.
 - Upload the .pdf to the LMS in your Coding Assignment Submission.
-

Web API Design with Spring Boot Week 15 Coding Assignment



Web API Design with Spring Boot Week 15 Coding Assignment



The screenshot shows an IDE with a Java test file. The test file contains assertions for a list of Jeeps. The build method creates two Jeep objects with specific attributes.

```
66
67 List<Jeep> actual = response.getBody();
68
69 List<Jeep> expected = buildExpected();
70 actual.forEach(jeep -> jeep.setModelPK(null));
71
72 assertThat(actual).isEqualTo(expected);
73
74
75 /**
76  * @return
77  */
78 protected List<Jeep> buildExpected() {
79     List<Jeep> list = new LinkedList<>();
80
81     //@formatter:off
82     list.add(Jeep.builder()
83         .modelId(JeepModel.WRANGLER)
84         .trimLevel("Sport")
85         .numDoors(2)
86         .wheelSize(17)
87         .basePrice(new BigDecimal("28475.00"))
88         .build());
89
90     list.add(Jeep.builder()
91         .modelId(JeepModel.WRANGLER)
92         .trimLevel("Sport")
93         .numDoors(4)
94         .wheelSize(17)
95         .basePrice(new BigDecimal("31975.00"))
96         .build());
97     //@formatter: on
98 }
```

Failure Trace

```
<terminated> FetchJeepTest [Unit] C:\Users\19294\sts-4.16.1\RELEASE\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20221004-1257\jre\bin\java.exe [Jan 8, 2023, 6:16:32 PM - 6:16:45 PM] [g
Z0Z3=01-08 16:16:39.097 INFO 16152 --- [main] o.apache.catalina.core.StandardService : Starting service
```