

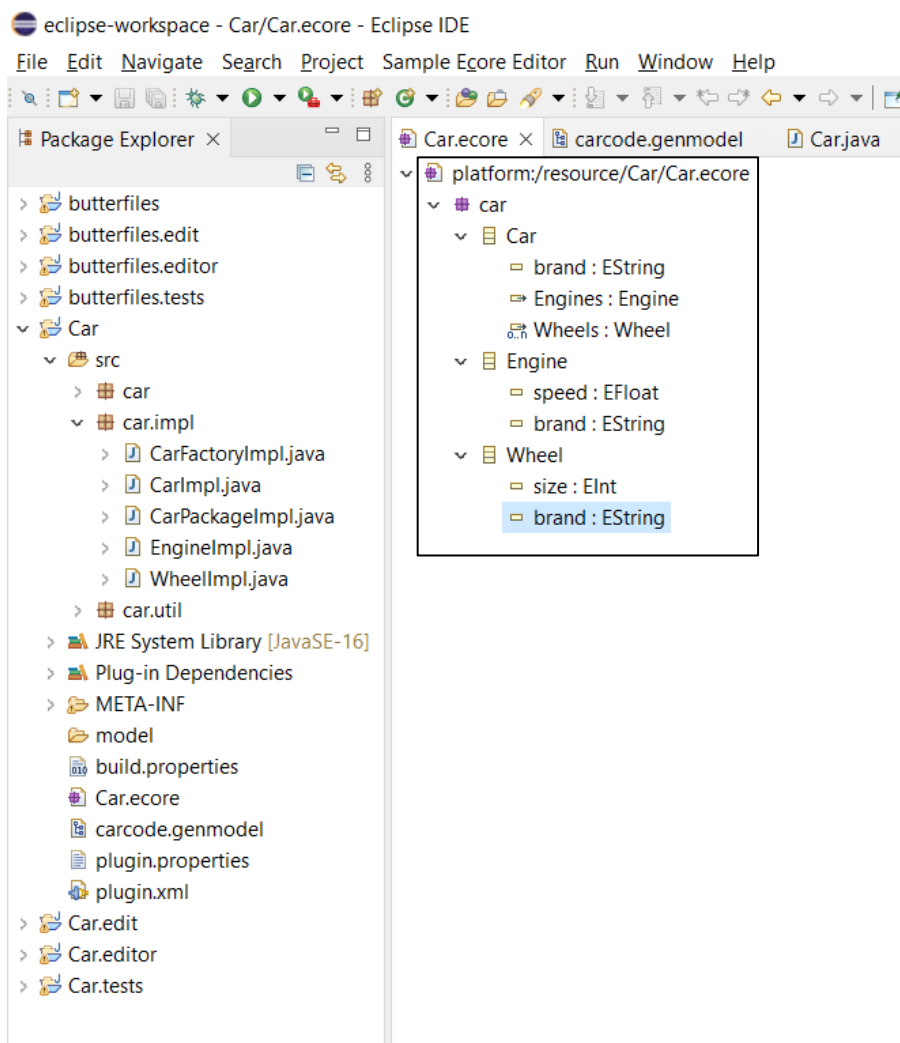
CSE 564

SOFTWARE DESIGN

ASSIGNEMENT 05: EMF

1. Defining EMF model

- By following the instructions in the lecture, I am able to define the input UML diagram into the EMF tool and model it.



Code Generation:

eclipse-workspace - junit.framework.TestSuite - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- car
 - Car.java
 - CarFactory.java
 - CarPackage.java
 - Engine.java
 - Wheel.java
- car.impl
 - CarFactoryImpl.java
 - CarImpl.java
 - CarPackageImpl.java
 - EngineImpl.java
 - WheelImpl.java
- car.util
 - CarAdapterFactory.java
 - CarSwitch.java
- JRE System Library [JavaSE-16]
- Plug-in Dependencies
- META-INF
 - model
 - build.properties
 - Car.ecore
 - carcode.genmodel
 - plugin.properties
 - plugin.xml
- Car.edit
- Car.editor
- Car.tests
 - src
 - car.tests
 - CarcodeAllTests.java
 - CarExample.java
 - CarTest.java
 - CarTests.java
 - EngineTest.java
 - WheelTest.java
- JRE System Library [JavaSE-16]
- Plug-in Dependencies
- META-INF
 - build.properties
 - plugin.properties

WheelImpl.java

```
31 * <p>
32 * This constructor creates a suite w
33 * starting with "test" that take no
34 * <p>
35 * A final option is to do the same f
36 * <pre>
37 * Class[] testClasses = { MathTest.c
38 * TestSuite suite= new TestSuite(tes
39 * </pre>
40 *
41 * @see Test
42 */
43 public class TestSuite implements Tes
44
45 /**
46 * ...as the moon sets over the e
47 * mountains, our intrepid advent
48 */
49 static public Test createTest(Cla
50 Constructor<?> constructor;
51 try {
52     constructor = getTestCons
53 } catch (NoSuchMethodExceptio
54     return warning("Class " +
55 }
56 Object test;
57 try {
58     if (constructor.getParame
59         test = constructor.ne
60         if (test instanceof T
61             ((TestCase) test)
62 }
```

Problems × @ Javadoc Declaration Console

0 errors, 16 warnings, 0 others

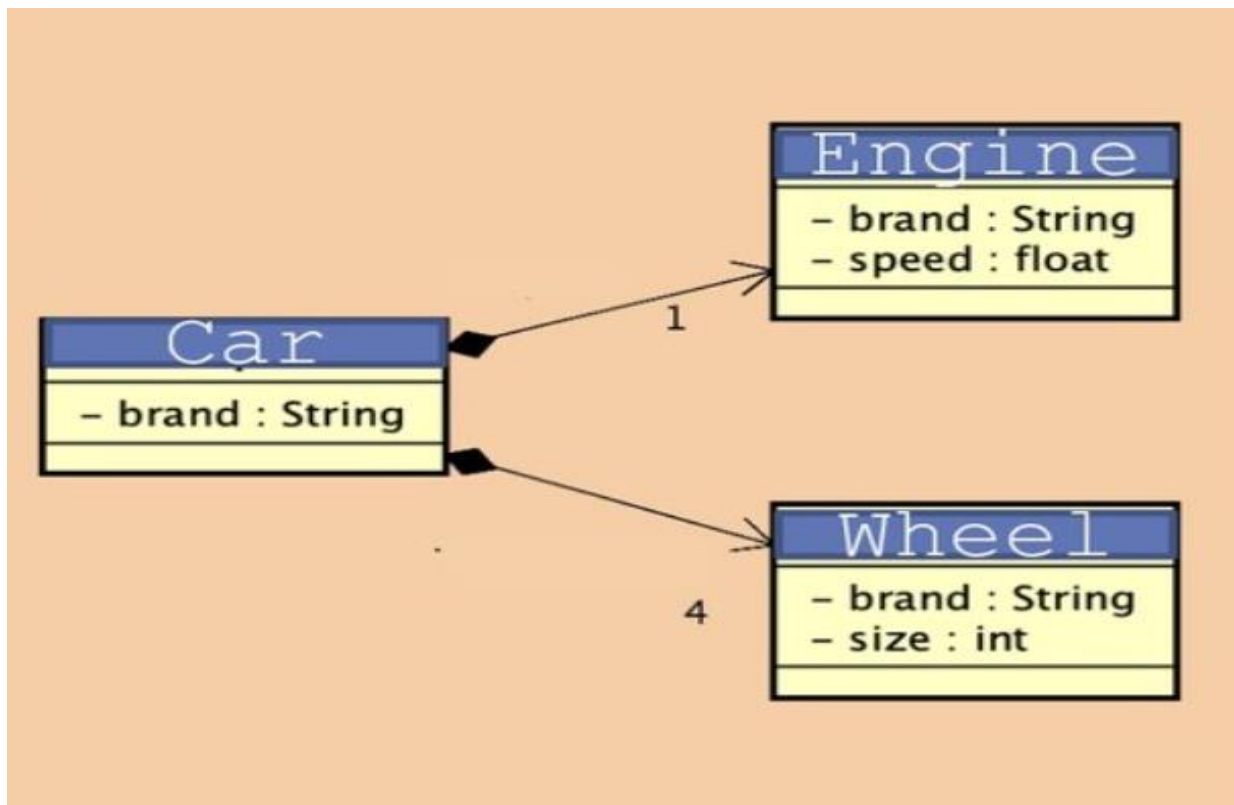
Description

> ⚠ Warnings (16 items)

car.tests.CarcodeAllTests.java - Car.tests/src

Input UML Diagram:

- This is the sample UML diagram that should be modeled into the EMF tool.



Output UML Diagram:

- This is the UML diagram that is modeled from the EMF tool.

