## InhousePartTest.class:

```
package com.example.demo.domain;
import java.io.PrintStream;
import java.time.LocalDateTime;
import java.time.temporal.ChronoUnit;
import java.util.Set;
import javax.validation.ConstraintViolation;
import javax.validation.Validation;
import javax.validation.Validator;
import javax.validation.ValidatorFactory;
import org.junit.jupiter.api.Assertions;
import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;
class InhousePartTest {
```

```
this.ip.setPartId(partId);
```

## OutsourcedPartTest.class:

```
//
// Source code recreated from a .class file by IntelliJ IDEA
```

```
package com.example.demo.domain;
import java.util.Set;
import javax.validation.ConstraintViolation;
import javax.validation.Validation;
import javax.validation.Validator;
import javax.validation.ValidatorFactory;
import org.junit.jupiter.api.Assertions;
import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;
class OutsourcedPartTest {
  OutsourcedPart op;
  OutsourcedPartTest() {
      this.op = new OutsourcedPart();
      ValidatorFactory factory = Validation.buildDefaultValidatorFactory();
      this.validator = factory.getValidator();
      this.op.setCompanyName(name);
      Assertions.assertEquals(name, this.op.getCompanyName());
  void setCompanyName() {
      this.op.setCompanyName(name);
      Assertions.assertEquals(name, this.op.getCompanyName());
       this.op.setCompanyName((String)null);
```

## PartTest.class:

```
//
// Source code recreated from a .class file by IntelliJ IDEA
// (powered by FernFlower decompiler)
//

package com.example.demo.domain;
import java.io.PrintStream;
import java.time.LocalDateTime;
import java.util.flashSet;
import java.util.Set;
import javax.validation.ConstraintViolation;
import javax.validation.Validation;
import javax.validation.Validator;
import javax.validation.Validator;
import org.junit.jupiter.api.Assertions;
import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;

class PartTest {
    private Validator validator;
    private Part partIn;
    private Part partOut;

PartTest() {
    }

    @BeforeEach
    void setUp() {
        this.partIn = new InhousePart();
    }
}
```

```
this.partOut = new OutsourcedPart();
   ValidatorFactory factory = Validation.buildDefaultValidatorFactory();
   Long idValue = 4L;
   Assertions.assertEquals(idValue, this.partIn.getId());
   Assertions.assertEquals(idValue, this.partOut.getId());
   this.partIn.setId(idValue);
   Assertions.assertEquals(idValue, this.partIn.getId());
   Assertions.assertEquals(idValue, this.partOut.getId());
   String name = "test inhouse part";
   Assertions.assertEquals(name, this.partIn.getName());
   this.partOut.setName(name);
   Assertions.assertEquals(name, this.partOut.getName());
void setName() {
   this.partIn.setName(name);
   Assertions.assertEquals(name, this.partIn.getName());
   this.partOut.setName(name);
   Assertions.assertEquals(name, this.partOut.getName());
void getPrice() {
   this.partIn.setPrice(price);
   Assertions.assertEquals(price, this.partIn.getPrice());
   this.partOut.setPrice(price);
```

```
Assertions.assertEquals(price, this.partOut.getPrice());
void setPrice() {
   this.partIn.setPrice(price);
   Assertions.assertEquals(price, this.partIn.getPrice());
   this.partOut.setPrice(price);
   Assertions.assertEquals(price, this.partOut.getPrice());
   Assertions.assertEquals(inv, this.partIn.getInv());
   this.partOut.setInv(inv);
   Assertions.assertEquals(inv, this.partOut.getInv());
   Assertions.assertEquals(inv, this.partIn.getInv());
   Assertions.assertEquals(inv, this.partOut.getInv());
void getStoreNumber() {
   this.partIn.setStoreNumber(storeNumber);
   Assertions.assertEquals(storeNumber, this.partIn.getStoreNumber());
   Assertions.assertEquals(storeNumber, this.partOut.getStoreNumber());
void setStoreNumber() {
    int storeNumber = 101;
   this.partIn.setStoreNumber(storeNumber);
   Assertions.assertEquals(storeNumber, this.partIn.getStoreNumber());
   this.partOut.setStoreNumber(storeNumber);
   Assertions.assertEquals(storeNumber, this.partOut.getStoreNumber());
```

```
LocalDateTime dateAdded = LocalDateTime.now();
   this.partIn.setDateAdded(dateAdded);
   Assertions.assertEquals(dateAdded, this.partIn.getDateAdded());
   Assertions.assertEquals(dateAdded, this.partOut.getDateAdded());
   LocalDateTime dateAdded = LocalDateTime.now();
   this.partIn.setDateAdded(dateAdded);
   Assertions.assertEquals(dateAdded, this.partIn.getDateAdded());
   Assertions.assertEquals(dateAdded, this.partOut.getDateAdded());
void getProducts() {
   Product product2 = new Product();
   Set<Product> myProducts = new HashSet();
   myProducts.add(product1);
   myProducts.add(product2);
    this.partIn.setProducts(myProducts);
   Assertions.assertEquals(myProducts, this.partIn.getProducts());
   this.partOut.setProducts(myProducts);
   Assertions.assertEquals(myProducts, this.partOut.getProducts());
void setProducts() {
   Product product2 = new Product();
   Set<Product> myProducts = new HashSet();
   myProducts.add(product1);
   myProducts.add(product2);
   this.partIn.setProducts(myProducts);
   Assertions.assertEquals(myProducts, this.partIn.getProducts());
   this.partOut.setProducts(myProducts);
   Assertions.assertEquals(myProducts, this.partOut.getProducts());
void testToString() {
   this.partIn.setName(name);
   Assertions.assertEquals(name, this.partIn.toString());
```

```
this.partOut.setName(name);
      Assertions.assertEquals(name, this.partOut.toString());
  void testEquals() {
      Part newPartIn = new InhousePart();
       ((Part)newPartIn).setId(1L);
      Assertions.assertEquals(this.partIn, newPartIn);
      Part newPartOut = new OutsourcedPart();
       ((Part) newPartOut).setId(1L);
      Assertions.assertEquals(this.partOut, newPartOut);
  void testNullName() {
       this.partIn.setName((String)null);
this.validator.validate(this.partIn, new Class[0]);
      violations.forEach((violation) -> {
           String var10001 = String.valueOf(violation.getPropertyPath());
violation.getMessage());
      Assertions.assertTrue(violations.stream().anyMatch((v) -> {
           return v.getPropertyPath().toString().equals("name") &&
v.getMessage().contains("Name cannot be null");
  void testInvalidPrice() {
violation.getMessage());
```

```
void testHashCode() {
      Assertions.assertEquals(this.partIn.hashCode(),
this.partOut.hashCode());
       Part part = new InhousePart("Sample Part", 10.0, 4, 5, 10,
LocalDateTime.now(), 1);
      Set<ConstraintViolation<Part>> violations =
this.validator.validate(part, new Class[0]);
      Assertions.assertTrue(violations.stream().anyMatch((v) -> {
           return v.getPropertyPath().toString().equals("inv") &&
v.getMessage().equals("Cannot enter inventory outside of Min/Max range");
LocalDateTime.now(), 2);
      Set<ConstraintViolation<Part>> violations =
this.validator.validate(part, new Class[0]);
      Assertions.assertTrue(violations.stream().anyMatch((v) -> {
           return v.getPropertyPath().toString().equals("inv") &&
v.getMessage().equals("Cannot enter inventory outside of Min/Max range");
```

## ProductTest.class:

```
//
// Source code recreated from a .class file by IntelliJ IDEA
// (powered by FernFlower decompiler)
//
package com.example.demo.domain;
```

```
import java.time.LocalDateTime;
import java.util.HashSet;
import java.util.Set;
import javax.validation.ConstraintViolation;
import javax.validation.Validation;
import javax.validation.Validator;
import org.junit.jupiter.api.Assertions;
import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;
class ProductTest {
  private Validator validator;
  public void setUp() {
      this.validator = factory.getValidator();
      Long idValue = 4L;
      Assertions.assertEquals(this.product.getId(), idValue);
      this.product.setId(idValue);
      Assertions.assertEquals(this.product.getId(), idValue);
  void getName() {
      String name = "test product";
      this.product.setName(name);
      Assertions.assertEquals(name, this.product.getName());
```

```
this.product.setName(name);
    Assertions.assertEquals(name, this.product.getName());
void getPrice() {
    double price = 1.0;
    this.product.setPrice(price);
    Assertions.assertEquals(price, this.product.getPrice());
   double price = 1.0;
    this.product.setPrice(price);
    Assertions.assertEquals(price, this.product.getPrice());
    Assertions.assertEquals(inv, this.product.getInv());
    Assertions.assertEquals(inv, this.product.getInv());
    Part part2 = new InhousePart();
    Set<Part> myParts = new HashSet();
    myParts.add(part1);
    myParts.add(part2);
    this.product.setParts(myParts);
    Assertions.assertEquals(myParts, this.product.getParts());
    Part part2 = new InhousePart();
    Set<Part> myParts = new HashSet();
```

```
myParts.add(part1);
      myParts.add(part2);
      this.product.setParts(myParts);
      Assertions.assertEquals(myParts, this.product.getParts());
  void testToString() {
      this.product.setName(name);
      Assertions.assertEquals(name, this.product.toString());
  void testEquals() {
      newProduct.setId(1L);
      Assertions.assertEquals(this.product, newProduct);
      this.product.setId(1L);
      newProduct.setId(1L);
      Assertions.assertEquals(this.product.hashCode(), newProduct.hashCode());
      this.product.setName((String)null);
this.validator.validate(this.product, new Class[0]);
      violations.forEach((v) -> {
          String var10001 = String.valueOf(v.getPropertyPath());
          var10000.println("Violation: " + var10001 + " - " + v.getMessage());
      Assertions.assertTrue(violations.stream().anyMatch((v) -> {
          return v.getPropertyPath().toString().equals("name") &&
v.getMessage().contains("Product name cannot be null");
```

```
Set<ConstraintViolation<Product>> violations =
          String var10001 = String.valueOf(v.getPropertyPath());
          var10000.println("Violation: " + var10001 + " - " + v.getMessage());
      Assertions.assertTrue(violations.stream().anyMatch((v) -> {
          return v.getPropertyPath().toString().equals("inv") &&
v.getMessage().contains("Inventory cannot exceed 999");
      this.product.setDateAdded((LocalDateTime)null);
this.validator.validate(this.product, new Class[0]);
      violations.forEach((v) -> {
          String var10001 = String.valueOf(v.getPropertyPath());
          var10000.println("Violation: " + var10001 + " - " + v.getMessage());
      Assertions.assertTrue(violations.stream().anyMatch((v) -> {
          return v.getPropertyPath().toString().equals("dateAdded") &&
v.getMessage().contains("must not be null");
      Part part = new InhousePart();
      this.product.getParts().add(part);
      Assertions.assertTrue(this.product.getParts().contains(part), "Product
```