No persistent database was used in the project. A console-based project was created with Maven and JUnit unit tests were applied. When the project runs, a menu appears on the console. Using log.info () instead of System.out.println(), text is printed to the console.

A screenshot of a computer program

Description automatically generated with medium confidence

Main Class

A screenshot of a computer

Description automatically generated with medium confidence

Console Output

With the Run method, the menu on the console can be displayed. The methods in the ProductService class are called according to the selection made.

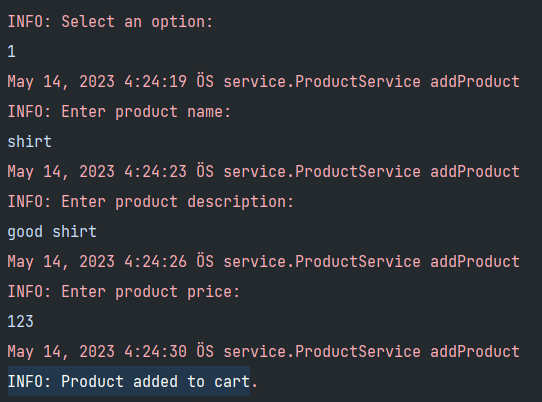
A screenshot of a computer program

Description automatically generated with low confidence

ConsoleUI class run method

The Product Service class has methods to do the related work. This class includes the methods of adding, deleting, listing, purchasing, and searching for products.

A screen shot of a computer program

Description automatically generated with low confidenceAdd Product: In order to add a product, input is taken for name, description, price, weight, is digital, values. And the product is added.

Product Added Console Output

Add Product Method

A screen shot of a computer code

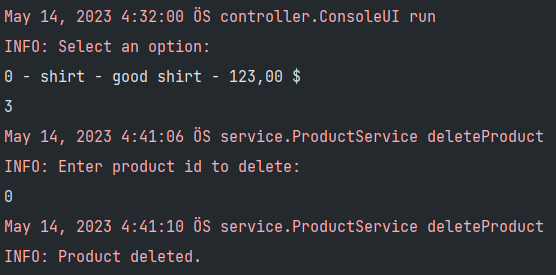
Description automatically generated with low confidenceA screenshot of a computer

Description automatically generated with medium confidenceList Product: The products in the cart are listed.

List Product Method Console Output

List Product Method

A screen shot of a computer program

Description automatically generated with low confidenceDelete Product: The product can be deleted by entering the product id.

Delete Product Method Console Output

Delete Product Method

Find Product:A picture containing text, screenshot, font

Description automatically generatedWith this method, it is possible to find the product with the id of the product.

Find Product Method

A screenshot of a computer

Description automatically generated with medium confidence

Find Product Method Console Output

A screen shot of a computer

Description automatically generated with low confidenceA picture containing text, screenshot, font

Description automatically generatedBuy Product:

Calculate Total Weight and Shipping Cost

A screen shot of a computer code

Description automatically generated with low confidenceA screen shot of a computer

Description automatically generated with low confidence

Input For Payment 1

If the card is empty

Switch-Case For Payment and If Type is Credit Card Option

A screen shot of a computer code

Description automatically generated with low confidence

Output Relevant Data For Credit Card Payment

A screen shot of a computer

Description automatically generated with low confidenceA screen shot of a computer program

Description automatically generated with low confidence

End of Buy

If Payment Type Is PAYPAL And Output Relevant Data

A screen shot of a computer

Description automatically generated with low confidence

If Payment Type Is Cash On Delivery And Invalid Message

Shopping Cart Class:

A screen shot of a computer program

Description automatically generated with low confidence

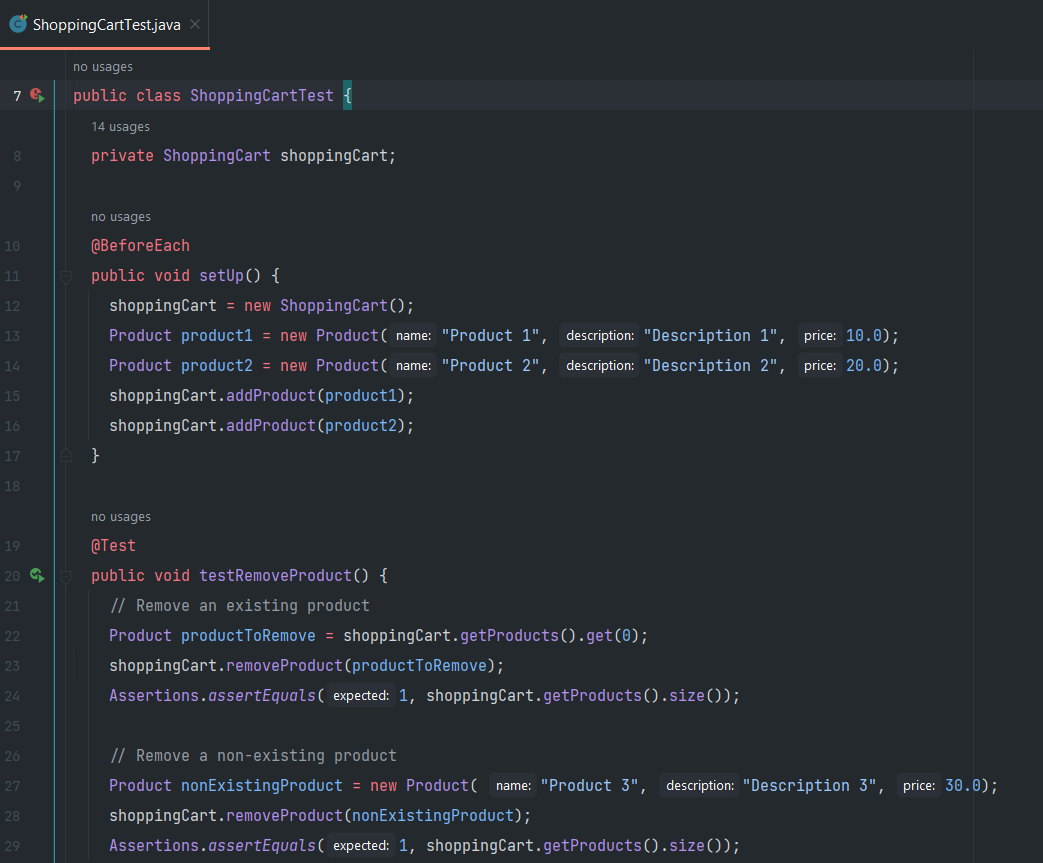
The class that performs the main operations

**UNIT TESTS**

Unit test code coverage rate in the project is 50%.

A screenshot of a computer

Description automatically generated with medium confidence



setUp Method

A screen shot of a computer code

Description automatically generated with low confidence

Remove Method Unit Test

A screen shot of a computer code

Description automatically generated with low confidence

Add Product Method Test

A picture containing text, screenshot, font

Description automatically generated

Clear Cart Method Test