Friday, May 30, 2025

1:39 PM

Problem Statement:

You are given an implemented code that allows a user to buy pizzas. Log the required data and eliminate hard-coding where ever specified.

In the project given, the Validator, PizzaService and the PizzaShoppie classes have been implemented for you. You have to modify them as specified below. The configuration.properties and log4j2.properties file have to be implemented by you.

Validator Class:

Log all the exceptions thrown from the methods of this class under the level ERROR.

PizzaService Class:

Log all the exceptions thrown from the Service class methods.

In the purchasePizzas() method, log the name of the Foodie and the total cost before the return statement under the level INFO.

PizzaShoppie Class:

In this class, avoid any hard coding of data. (Make use of configuration.properties file)

When any exception is thrown from the service method, an irrelevant exception message gets printed. Make sure the output is according to the data given below,

1)If the walletBalance is invalid, the output should be, Your wallet is empty or has invalid amount.

2)If the pizzasOrdered is null or empty, the output should be, The pizzas have not yet been ordered. Please add any pizza to order.

3)If the walletBalance is not sufficient, the output should be, You, unfortunately, do not have enough money. Please come back when you have it.

Note: None of the outputs should be hardcoded in the Java classes.

configuration.properties:

This is a file you will have to completely implement.

Based on the exceptions thrown and the relevant messages shown above, create key-value pairs.

Similarly, create a key-value pair for the success message also.

log4j2.properties:

This is a file you will have to completely implement.

Make sure that the logging levels up to DEBUG can be logged.

All the data should get logged in an external file having the name, LogOutput.log.

Make sure to log only the date and the message.

Note: Check the project using PMD to maintain the coding standards.