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- 2 TDD, collections, Maven, Surefire, Jacoco
- 3 Using a TDD approach do the following application
- 4 Create a class Customer(customerId long, customerName String)
- 5 Create a class OrderInfo (orderId long, customerInfo Customer
orderAmount double, cart ShopCart)
- 6 Create a class Product (productId long, productName, productDesc,
price double)
- 7 Create a class ShopCart(cartId long, List<Products>)
- 8
- 9 Create a DAO interfaces for CRUD operations on
OrderInfo, Customer, Product, ShopCart.
- 10 Create a DB simulation using LinkedList class to store objects of all
above classes.
- 11 Provide search methods for searching
- 12 Orders on orderId,
- 13 Products on productId, productName
- 14 Create the service interfaces and implementations that will interact
with DAOS.
- 15 Write the testcases for testing all the methods
- 16 Create the surefire and jacoco reports for metrics.
- 17 Write the Main class to demonstrate the functionality.
- 18
- 19 NOTE :
- 20 Create a proper package hierarchy
- 21 com.sapient.domain--> for domain models
- 22 com.sapient.daos--> for dao interfaces for each model CRUD ops
- 23 com.sapient.daos.impl--> Implementations for daos
- 24 com.sapient.services--> service interfaces for each dao
- 25 com.sapient.services.impl--> Implementations for services
- 26 com.sapient.tests--> for unit tests--
- 27 com.sapient.main--> for MainClass with main method
- 28 Handle Exceptions wherever necessary
- 29 (Like : EmptyCartException,
- 30 NullPointerException for if any attribute for any Class is not provided
- 31 etc..)