Day 5 (30th July 2024)

Develop a layered application so that view layer is responsible for user information and is only responsible for accepting and displaying details from/to user. View layer will communicate with storage layer for all CRUD operations. Class structures, method information and responsibilities of each class are given below. Create a main class to test your application.

View Layer

CustomerVIew(Class)

addPizzaDetailsAndStore()

DisplayPizzaDetailsByName()

printPizzaNamesBySize()

Responsibility:

This class accepts the details from the user and calls the methods on Storage Layer.

Call

PizzaStorageFactory.getPizzaStorage() to get the storage implementation object.

Storage Layer

PizzaStore(Interface)

Void addNewPizza(Pizza e)

Pizza getPizzaByName(String pizzaname)

Pizza[] getPizzasCountBySize(int size)

PizzaStoreImpl (Class)

Responsibility:

This class implements PizzaStore.

Create an array to store the Pizza objects and provide the proper implementation to the methods in the interface.

PizzaStoreFactory (Class)

Public static PizzaStore getPizzaStore()

Responsibility:

This method is used to get the object of PizzaStore implementation. View layer should call this method to get the reference of the PizzaStoreImpl.