

Food aggregator - Requirement 3

Requirement 3:

In this requirement develop a feature in which you can search a List of Items by type, and price.

a) Create a class **Item** with the following attributes:

Member Field Name	Type
name	String
price	Double
type	String

Mark all the attributes as private, Create / Generate appropriate Getters & Setters, Add a default constructor and a parameterized constructor to take in all attributes in the given order:

Item(String name, Double price, String type)

b) Create a class **ItemDAO** with the following methods,

Method Name	Description
public void addItem(Item item)	Write jdbc code to add a row into the database
Public void bulkCopy(List<Item> itemList)	This method should call the addItem method for each item in the itemList.
public List<Item> findItem(String type)	This method should use "SELECT" statement and access the items from the database based on type.
public List<Item> findItem(Double price)	This method should use "SELECT" statement and access the items from the database based on price.

The item details should be given as a comma-separated value in the below order,
name, price, type

c) In Main method, call the prefill method and obtain the list of items. Use ItemDAO methods to store all these items in the database.

Print format:

System.out.format("%-20s %-5s %s\n", "Name", "Price", "Type");

Note: The item lists are displayed in the main method.

If any other choice is selected, display **"Invalid choice"**

If the search detail is not found, display "No such item is present"

Display one digit after the decimal point for Double Datatype.