Spring Assignment

Your company has asked you to create a highly configurable sales reporting tool.

The program should be able to:

* Use different shipping policies to determine the shipping amount for an order.  
  For example: free shipping, flat-rate domestic shipping, free shipping for orders over $X
* Read sales data from a file or from the console
* Produce a detailed sales report or a summary report by country

Create a standalone Spring application that meets the above requirements. Submit the URL of your GitHub repository.

### **Interface Suggestions**

Below are some suggested interfaces for your beans. Use, modify, or disregard them as you see fit.

public interface SalesInput {  
 List<Sale> getSales();  
}  
  
public interface SalesReport {  
 void generateReport(List<Sale> salesList);  
}  
  
public interface ShippingPolicy {  
 double getShippingCost(Sale sale);  
}

### **Sales Input File**

Copy the data below or download the file here: [sales.txtreview the document](https://wctc.instructure.com/courses/21778/files/1439120/download?wrap=1)

Place the file in IntelliJ's top-level project directory for easy reading.

Stacy Read,United States,190.95,10.45  
R.B. Whitaker,United States,54.33,4.35  
Rabindranath Tagore,India,117.89,11.20  
Lindsay Ellis,United States,25.19,1.51  
Shin Takahashi,Japan,145.00,10.88  
Erich Gamma,United States,53.63,3.50  
Iain M. Banks,Scotland,75.42,6.71  
Meg Ray,United States,11.99,1.05

### **Sample Detail Sales Report (Using Free Shipping Policy)**

SALES DETAIL REPORT  
Customer Country Amount Tax Shipping   
Stacy Read United States 190.95 10.45 0.00   
R.B. Whitaker United States 54.33 4.35 0.00   
Rabindranath Tagore India 117.89 11.20 0.00   
Lindsay Ellis United States 25.19 1.51 0.00   
Shin Takahashi Japan 145.00 10.88 0.00   
Erich Gamma United States 53.63 3.50 0.00   
Iain M. Banks Scotland 75.42 6.71 0.00   
Meg Ray United States 11.99 1.05 0.00

### **Sample Summary Sales Report (Using Flat-Rate Domestic Shipping Policy)**

SALES SUMMARY REPORT  
Country Amount Tax Shipping   
United States 336.09 20.86 29.95   
Japan 145.00 10.88 14.50   
Scotland 75.42 6.71 7.54   
India 117.89 11.20 11.79