

## **I. Modify the Line Item application**

This exercise guides you through the process of testing and modifying the Line Item application.

### **Review and test the project**

1. Open the project named ex3\_Lineitem as provided. Then, review the code for the Lineitem and LineitemApp classes.
2. Run the project and test it with valid product codes like "java", "jsp", and "mysql" to make sure that this application works correctly.

### **Rename a package**

3. In the Project window of NetBeans, navigate to the mdc.db package. Then, rename this package to mdc.database.
4. Open the ProductDB class and note that NetBeans also changed the package statement for this class to correspond with the new package name.
5. Open the LineitemApp class and note that NetBeans also changed the import statement for the ProductDB class to correspond with the new package name.
6. Run the project and make sure it still works correctly.

## **II. Use objects in the Area and Perimeter application**

This exercise guides you through the process of converting the Area and Perimeter application so it uses object-oriented approach.

### **Review and test the project**

1. Open the project named ex3\_AreaAndPerimeter as provided. Then, review the code for the Main and Rectangle classes. Note that they are both stored in the mdc.rectangle package.
2. Run the project and make sure this application works correctly. Work with packages
3. Create a package named mdc.ui. Then, move the Main class into that package.
4. Create a package named mdc.business. Then, move the Rectangle class into that package.

5. Open the Rectangle class. Then, note that NetBeans has modified its package statement.
6. Open the Main class. Then, note that NetBeans has modified its package statement and added an import statement for the Rectangle class.
7. Delete the `informatics.rectangle` package.
8. Run the project and make sure it still works correctly