**Handling of Tax Classes for Best Buy Assignment**

package TaxComputationClasses;

public interface TaxComputation {

double getSalesTax();

}

package TaxComputationClasses;

public class CA\_TaxComputation implements TaxComputation {

public double getSalesTax(){

return 0.075;

}

}

package TaxComputationClasses;

public class MD\_TaxComputation implements TaxComputation {

public double getSalesTax(){

return 0.06;

}

}

**(MORE ON FOLLOWING PAGE)**

package fornametest;

import java.util.HashMap;

import TaxComputationClasses.\*;

public class ForNameTest {

private static HashMap taxCompClasses = new HashMap<String, Class>();

public static void main(String[] args) {

Class tax\_class;

try{

tax\_class = Class.forName("TaxComputationClasses.MD\_TaxComputation");

populateTaxCompHashTable();

tax\_class = (Class) taxCompClasses.get("MD");

TaxComputation t = (TaxComputation) tax\_class.newInstance();

System.out.println(t.getSalesTax());

}

catch(ClassNotFoundException e){

System.out.println("Class Not Found");

}

catch(InstantiationException e){

System.out.println("Class Instantiation Error");

}

catch(IllegalAccessException e){

System.out.println("Illegal Access Error");

}

}

private static void populateTaxCompHashTable(){

String pkg = "TaxComputationClasses.";

try{

taxCompClasses.put("MD", Class.forName(pkg + "MD\_TaxComputation"));

taxCompClasses.put("CA", Class.forName(pkg + "CA\_TaxComputation"));

// etc.

}

catch(ClassNotFoundException e){

System.out.println("Tax Computation Class Error");

}

}

}