**Customers**

**import** java.util.ArrayList;

**public** **class** Customers {

**private** ArrayList<Customer> customerList;

//Getting Customer information from the file

**public** Customers() {

DataFileLoader aFileLoader = **new** DataFileLoader();

**try** {

customerList = aFileLoader.getCustomers();

} **catch** (Exception e) {

e.printStackTrace();

}

}

//Saving Customer information to the file

**public** **void** save() {

DataFileLoader aFileLoader = **new** DataFileLoader();

**try** {

aFileLoader.saveCustomers(customerList);

} **catch** (Exception e) {

e.printStackTrace();

}

}

//Getting a specific customer information

**public** Customer getCustomer(String lastName, String firstName) {

**for** (Customer aCustomer : customerList) {

**if** (aCustomer.getLastName().equals(lastName)

&& (aCustomer.getFirstName().equals(firstName))) {

**return** aCustomer;

}

}

**return** **null**;

}

**public** Customer getCustomer(**int** i) {

**return** customerList.get(i);

}

**public** **void** add(String customerId, String lastName, String firstName,

String telephoneNumber, String dateOfBirth,

String insuranceProvider, String policyNumber) {

**this**.remove(lastName, firstName);

customerList.add(**new** Customer(customerId, lastName, firstName,

telephoneNumber, dateOfBirth, insuranceProvider, policyNumber));

}

//Removing a customer

**public** **void** remove(String lastName, String firstName) {

**int** i = customerList.size() - 1;

**while** (i >= 0) {

**if** (customerList.get(i).getLastName().equals(lastName)

&& (customerList.get(i).getFirstName().equals(firstName))) {

customerList.remove(i);

}

i--;

}

}

**public** **boolean** contains(String lastName, String firstName) {

**boolean** isContained = **false**;

**for** (Customer aCustomer : customerList) {

**if** (aCustomer.getLastName().equals(lastName)

&& (aCustomer.getFirstName().equals(firstName))) {

isContained = **true**;

}

}

**return** isContained;

}

**public** **int** size() {

**return** customerList.size();

}

**public** String getCustomerId(**int** i) {

**return** customerList.get(i).getCustomerId();

}

**public** **boolean** isValid() {

**if** (**this**.size() == 0) {

**return** **true**;

} **else** {

**return** **false**;

}

}

@Override

**public** String toString() {

String aString = "";

**for** (Customer aCustomer : customerList) {

aString = aString + aCustomer.toString() + "\n";

}

**return** aString;

}

}