**Customer**

**import** java.util.ArrayList;

**public** **class** Customer {

**private** String customerId;

**private** String lastName;

**private** String firstName;

**private** String telephoneNumber;

**private** String dateOfBirth;

**private** String insuranceProvider;

**private** String policyNumber;

**private** ArrayList<Prescription> prescriptionHistoryList = **new** ArrayList<Prescription>();

//The above code is defining the variables and setting up the Prescription History as an Array

**public** **void** setCustomerId(String aCustomerId) {

**this**.customerId = aCustomerId;

}

**public** **void** setLastName(String aLastName) {

**this**.lastName = aLastName;

}

**public** **void** setFirstName(String aFirstName) {

**this**.firstName = aFirstName;

}

**public** **void** setTelephoneNumber(String aTelephoneNumber) {

**this**.telephoneNumber = aTelephoneNumber;

}

**public** **void** setDateOfBirth(String aDateOfBirth) {

**this**.dateOfBirth = aDateOfBirth;

}

**public** **void** setInsuranceProvider(String aInsuranceProvider) {

**this**.insuranceProvider = aInsuranceProvider;

}

**public** **void** setPolicyNumber(String aPolicyNumber) {

**this**.policyNumber = aPolicyNumber;

}

**public** **void** setPrescriptionHistoryList(Prescription aPrescription) {

**this**.prescriptionHistoryList.add(aPrescription);

}

//The above statements are for field population.

//Each of the fields is being inputted into the database.

**public** String getCustomerId() {

**return** customerId;

}

**public** String getLastName() {

**return** lastName;

}

**public** String getFirstName() {

**return** firstName;

}

**public** String getTelephoneNumber() {

**return** telephoneNumber;

}

**public** String getDateOfBirth() {

**return** dateOfBirth;

}

**public** String getInsuranceProvider() {

**return** insuranceProvider;

}

**public** String getPolicyNumber() {

**return** policyNumber;

}

**public** ArrayList<Prescription> getPrescriptionHistoryList() {

**return** **this**.prescriptionHistoryList;

}

//The following is retrieving from the GUI, the inputted values for the table

**public** Customer() {

// this is the empty constructor

}

**public** Customer(String customerId, String lastName, String firstName,

String telephoneNumber, String dateOfBirth,

String insuranceProvider, String policyNumber) {

**this**.customerId = customerId;

**this**.lastName = lastName;

**this**.firstName = firstName;

**this**.telephoneNumber = telephoneNumber;

**this**.dateOfBirth = dateOfBirth;

**this**.insuranceProvider = insuranceProvider;

**this**.policyNumber = policyNumber;

}

**public** **void** setCustomerInfo(String aCustomerId, String aLastName,

String aFirstName, String aTelephoneNumber, String aDateOfBirth,

String aInsuranceProvider, String aPolicyNumber) {

**if** (aCustomerId != "" && aCustomerId != **null**) {

**this**.setCustomerId(aCustomerId);

}

**if** (aLastName != "" && aLastName != **null**) {

**this**.setLastName(aLastName);

}

**if** (aFirstName != "" && aFirstName != **null**) {

**this**.setFirstName(aFirstName);

}

**if** (aTelephoneNumber != "" && aTelephoneNumber != **null**) {

**this**.setTelephoneNumber(aTelephoneNumber);

}

**if** (aDateOfBirth != "" && aDateOfBirth != **null**) {

**this**.setDateOfBirth(aDateOfBirth);

}

**if** (aInsuranceProvider != "" && aInsuranceProvider != **null**) {

**this**.setInsuranceProvider(aInsuranceProvider);

}

**if** (aPolicyNumber != "" && aPolicyNumber != **null**) {

**this**.setPolicyNumber(aPolicyNumber);

}

}

**public** String toString() {

String aString = "";

aString = "Customer Id: " + **this**.getCustomerId() + "\n";

aString = aString + "Last Name: " + **this**.getLastName() + "\n";

aString = aString + "First Name: " + **this**.getFirstName() + "\n";

aString = aString + "Telephone Number: " + **this**.getTelephoneNumber()

+ "\n";

aString = aString + "Date Of Birth: " + **this**.getDateOfBirth() + "\n";

aString = aString + "Insurance Provider: "

+ **this**.getInsuranceProvider() + "\n";

aString = aString + "Policy Number: " + **this**.getPolicyNumber() + "\n";

**return** aString;

}

}

//The above code is formatting the information for when it is called for by the GUI Controller