**Generic**

**import** java.util.ArrayList;

//The Generic Class is a single entity of a specific type of Drug

**public** **class** Generic **implements** Drug {

**private** String medicationId;

**private** String medicationName;

**private** String unitOfMeasurement;

**private** ArrayList<SideEffects> sideEffectsList = **new** ArrayList<SideEffects>();

//All the @Override methods are methods from Drug that need to be called.

@Override

**public** **void** setMedicationId(String aMedicationId) {

**this**.medicationId = aMedicationId;

}

@Override

**public** **void** setMedicationName(String aMedicationName) {

**this**.medicationName = aMedicationName;

}

@Override

**public** **void** setUnitOfMeasurement(String aUnitOfMeasurement) {

**this**.unitOfMeasurement = aUnitOfMeasurement;

}

@Override

**public** **void** setSideEffectsList(ArrayList<SideEffects> aSideEffectsList) {

**this**.sideEffectsList = aSideEffectsList;

}

@Override

**public** String getMedicationId() {

**return** **this**.medicationId;

}

@Override

**public** String getMedicationName() {

**return** **this**.medicationName;

}

@Override

**public** String getUnitPrescribed() {

**return** **this**.unitOfMeasurement;

}

@Override

**public** ArrayList<SideEffects> getSideEffectsList() {

**return** **this**.sideEffectsList;

}

**public** **void** addSideEffects(SideEffects aSideEffect) {

sideEffectsList.add(aSideEffect);

}

**public** String toString() {

String aString = "";

aString = aString + "Medication Id: " + **this**.getMedicationId() + "\n";

aString = aString + "Medication Name: " + **this**.getMedicationName()

+ "\n";

aString = aString + "Unit of Measurement: " + **this**.getUnitPrescribed()

+ "\n";

aString = aString + "Side Effects: \n";

**for** (**int** i = 0; i < sideEffectsList.size(); i++) {

aString = aString + "\t" + sideEffectsList.get(i) + "\n";

}

**return** aString;

}

}