```
        colval =
            db.getNextValue(Columns.getSelectedItem());

        while (colval.length()>0) {
            Data.add(colval);
            colval =
                db.getNextValue(Columns.getSelectedItem());
        }
    }
```

The diagram in Figure 13.5 shows a complete representation of the Façade classes.

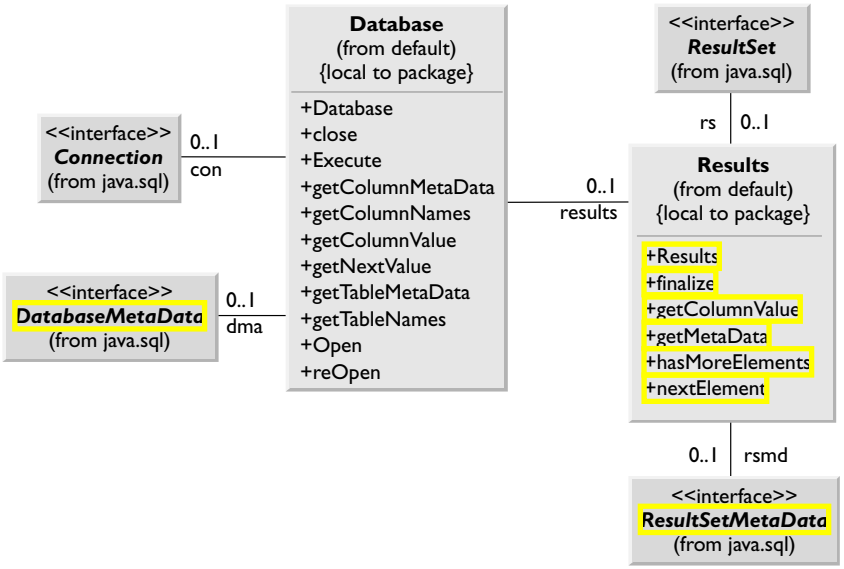

Figure 13.5 The classes that the programmer actually uses outside of the Façade.

Note that the Database class *contains* instances of Connection, DatabaseMetaData, and Results and that the Results class contains instances of ResultSet and ResultSetMetaData.

Consequences of the Façade Pattern

The Façade pattern shields clients from complex subsystem components and provides a simpler programming interface for the general user. However, it does not prevent the advanced user from going to the deeper, more complex classes when necessary.