

Architectural Patterns Practice

1 Basic Structures

Again, working with this inheritance hierarchy: For each of the three patterns for mapping inheritance (which you detailed in the last homework), design the gateways that you would need. To do that, you need to have some idea about the kinds of queries that would be useful. Make sure you can support these:

- List all of the bases
- What chemical should we use to dissolve a given metal
- What element has a given atomic number or atomic mass
- List all of the elements with an atomic mass in a given range
- List all of the chemicals an given acid dissolves
- What elements are in a given compound
- What compounds is a given element in
- What type of object is the chemical with a given name

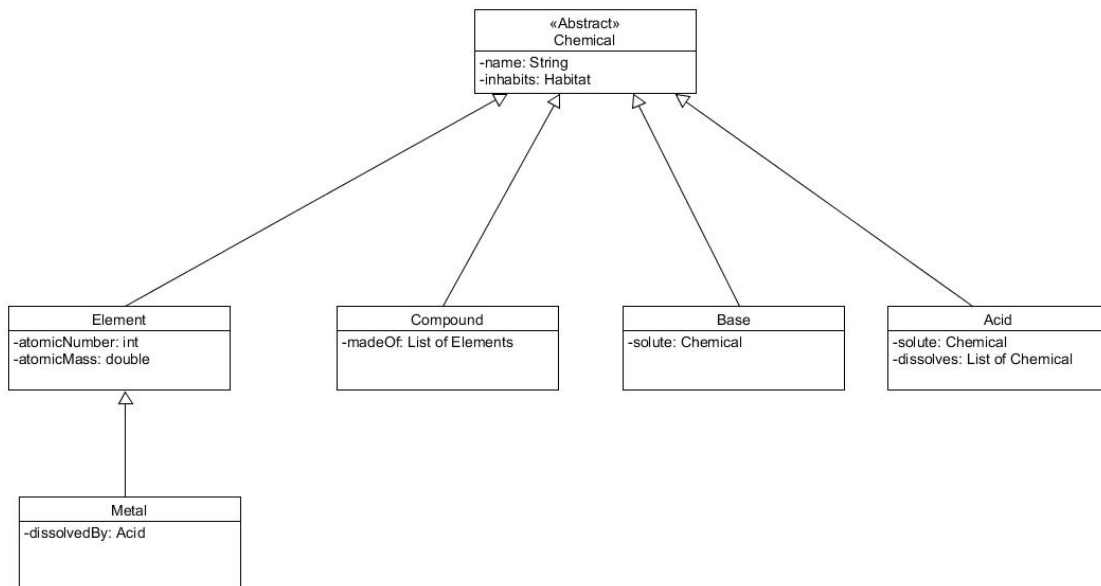


Figure 1: Chemical Example