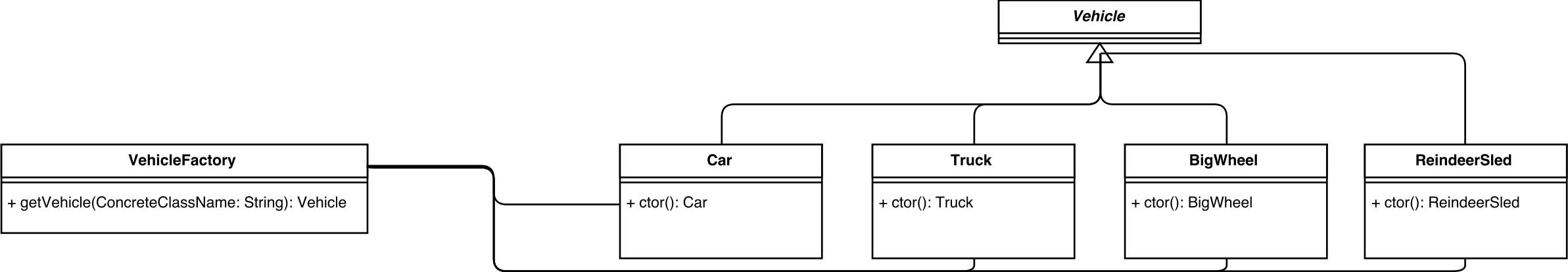


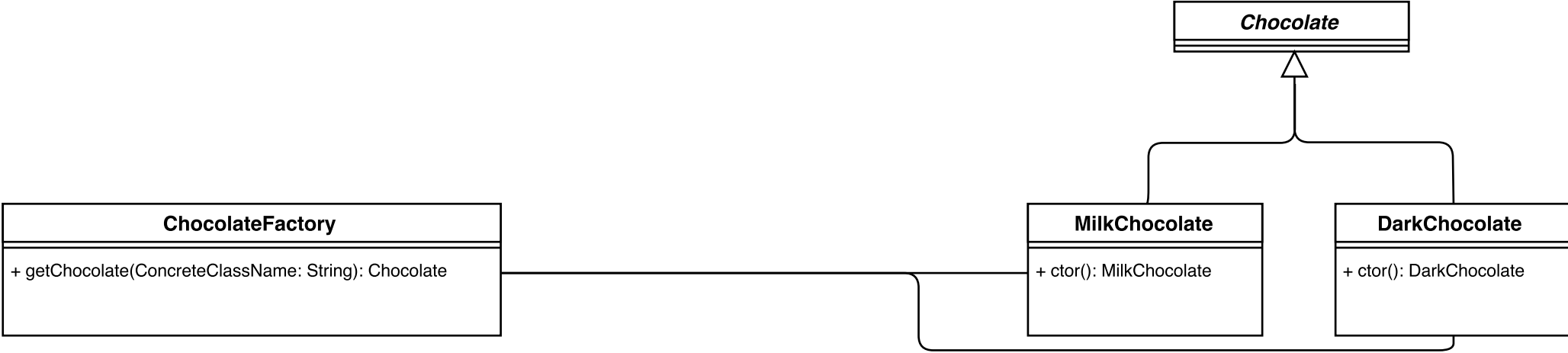
Conforming UML Diagram



iii) How would you achieve balance between a restrictive vs. a lenient metamodel? Why is this an important issue?

We would achieve balance between a restrictive and lenient metamodel by examining the project which we are applying our RBML meta-model to and loosening or tightening constraints dependent upon the objectives of the project. This balance would be achieved by changing how general the constraints are made. In the Factory Method Pattern we have restricted instances of UML which match to those who have a function for getSomeAbstractClass who's only parameter is a String. We could generalize this to be a GenericKey of some kind, but have decided we would narrow the scope of the Factory Method Pattern we are matching. This is an important issue because being too lenient could result in code which becomes harder to manage and extend, while being too restrictive could defeat the polymorphism inherent in Design Patterns.

Conforming UML Diagram



Non-Conforming UML Diagram

