

CS 213 – Spring 2016

Lecture 15 – Mar 8

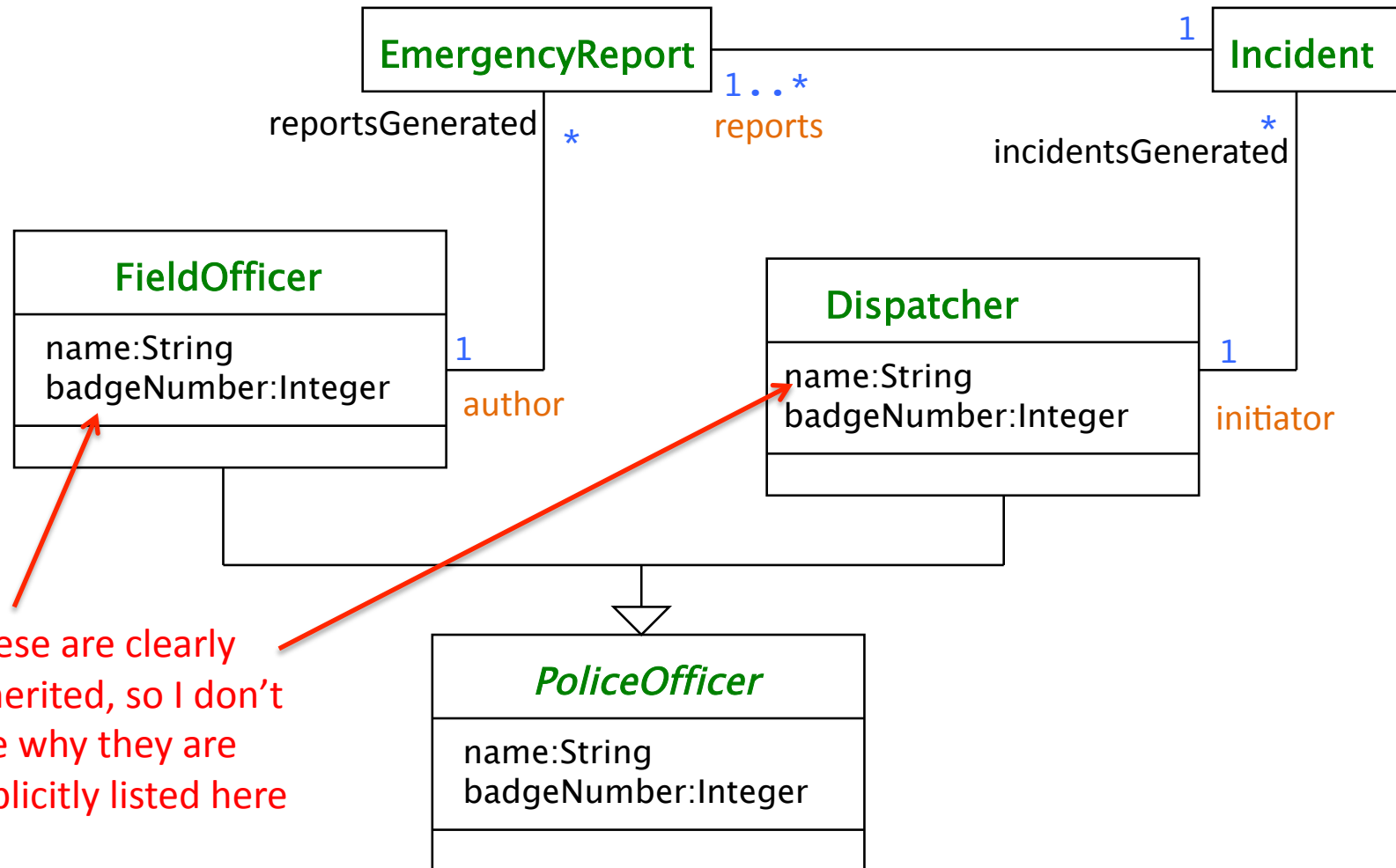
UML Class Diagram - IV

Modeling Police Incidents

Draw a UML Class Diagram to model the handling of incidents by the dispatchers and field officers of a police department. Dispatchers log incidents, and field officers write emergency reports, as many as each incident requires.

Abstract Class/Inheritance/Bidirectional Association

From “Object-Oriented Software Engineering” 2nd ed. by Bruegge and Dutoit

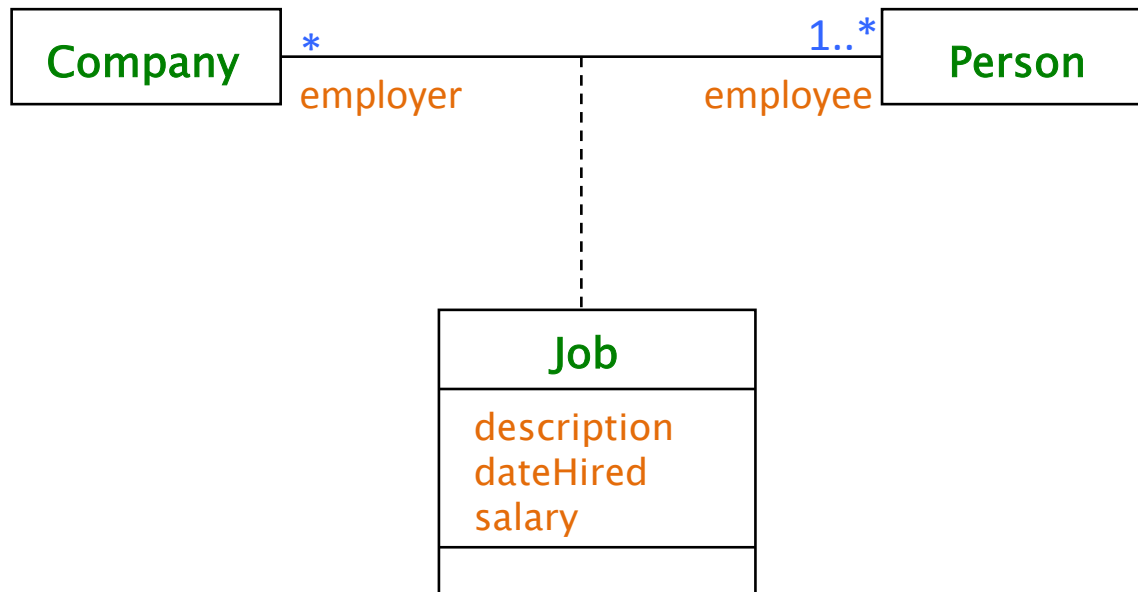


These are clearly inherited, so I don't see why they are explicitly listed here

Association Class

- At times, an association between two classes itself has properties - an **association class** is used to model these properties.

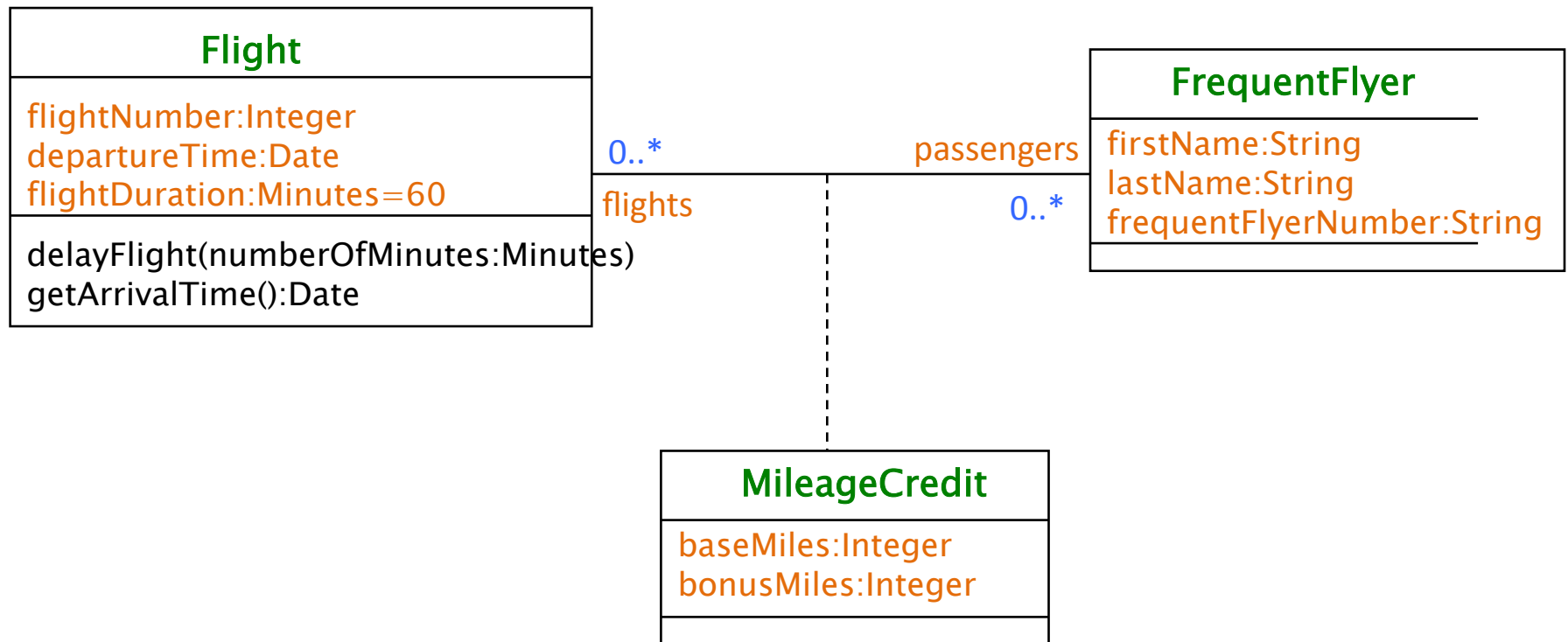
From “The Unified Modeling Language User Guide” by Booch, Rumbaugh, and Jacobson



Association Class: Example

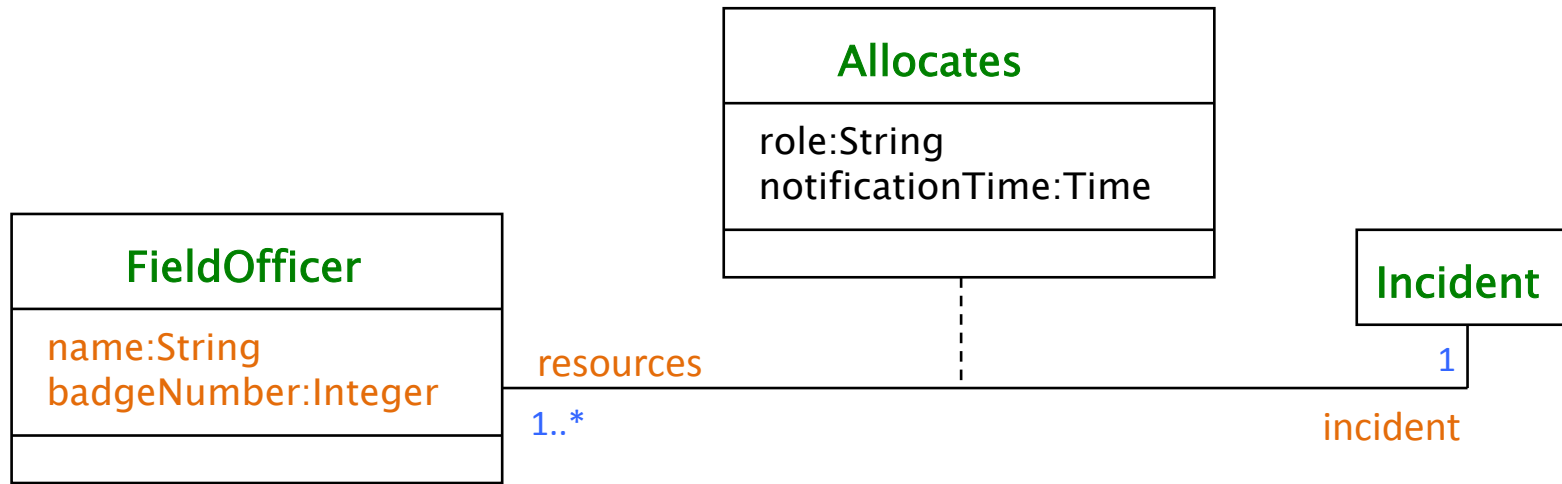
From “UML basics: The class diagram” by Donald Bell

<http://www.ibm.com/developerworks/rational/library/content/RationalEdge/sep04/bell/>



Association Class: Example

From “Object-Oriented Software Engineering” 2nd ed. by Bruegge and Dutoit



Is this equivalent to the above?

