Design Patterns:

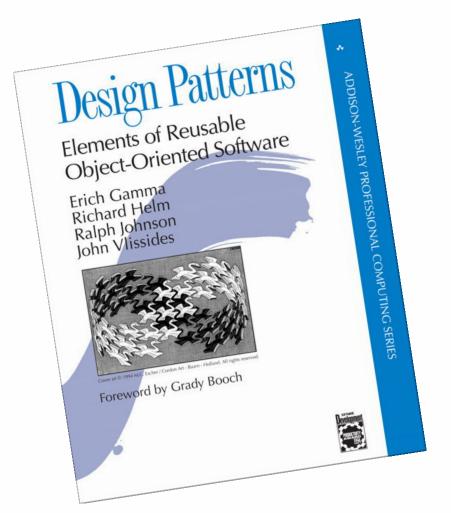
Publisher - Subscriber

Software Systems - Programming - 5M2

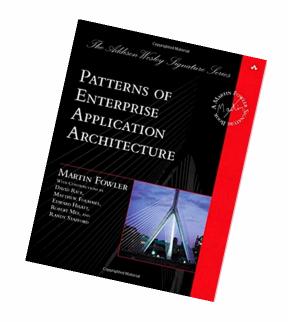
Dr. Vadim Zaytsev aka @grammarware, November/December 2020



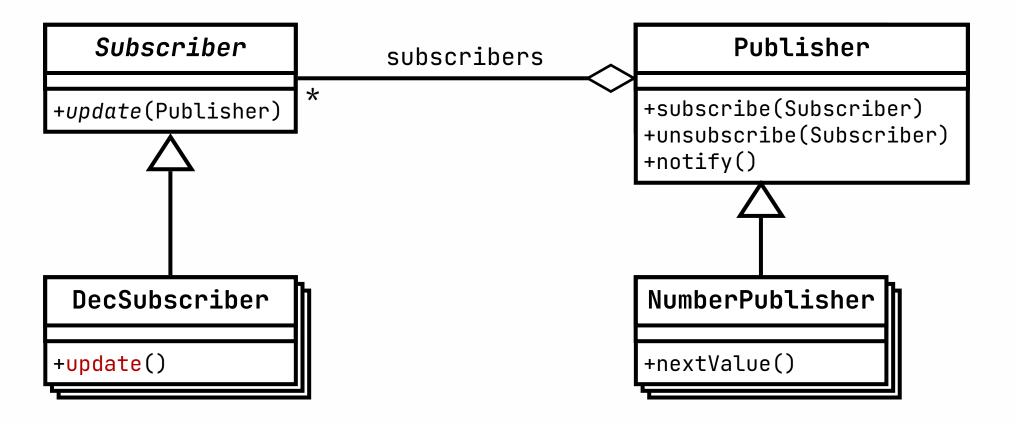
Design Patterns



- Publisher Subscriber
- aka Event Subscriber
- aka Observer
- aka Listener



Publisher-Subscriber



Terminology

- Observer
 - in literature
- Listener
 - in Java (e.g., PropertyChangeListener)
- Publisher
 - can be Subject
 - can be EventManager
- State can be separate



Conclusion

- Entity worth observing
 - Subject, Publisher, Event, ...
- The observing entity
 - Observer, Listener, Handler, Subscriber, ...
- Two separate hierarchies
 - business logic
 - subscription/notification once
 - observing logic
- Something useful in the setter!

