Принципы проектирования и дизайна ПО

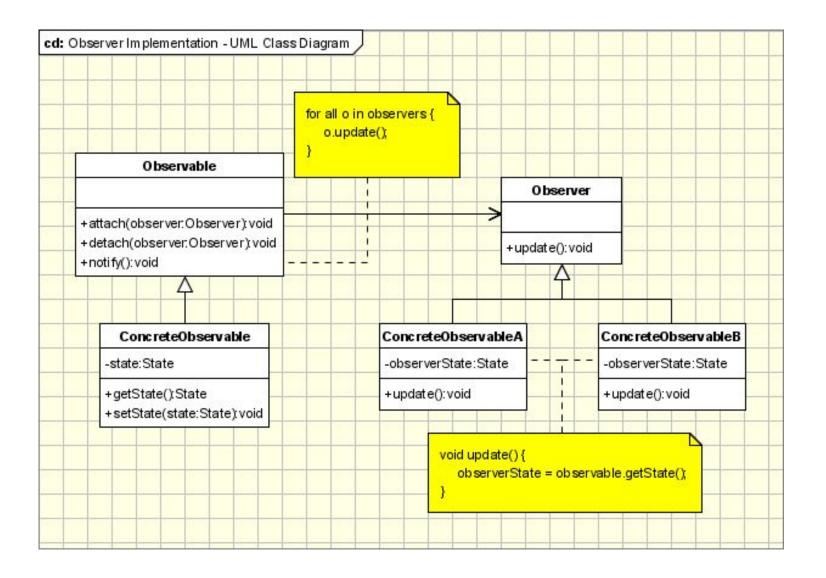
Лекция №10

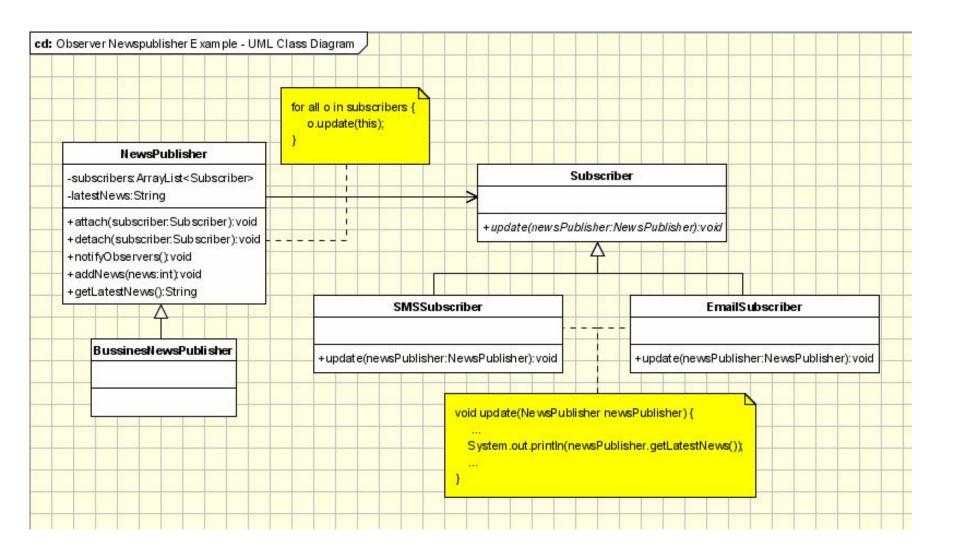
Intent

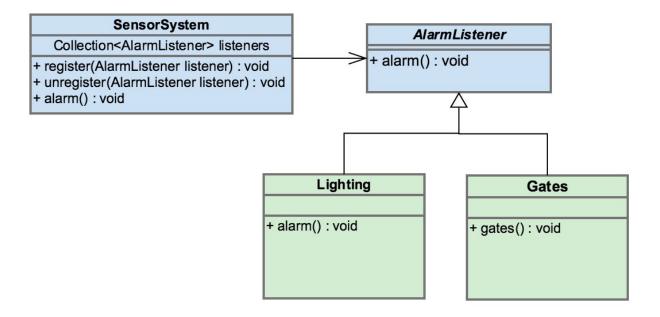
Define a one-to-many dependency between objects so that when one object changes state, all its dependents are notified and updated automatically.

Also known as

Listener, Publish-Subscribe



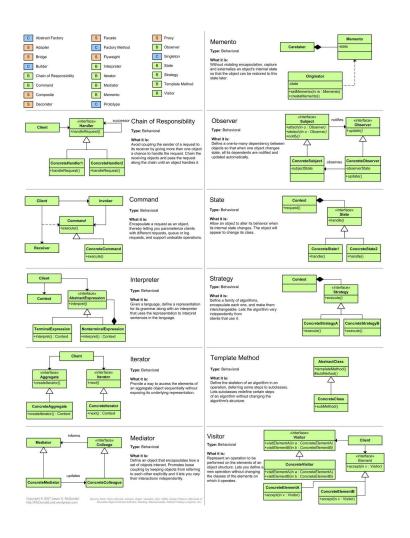


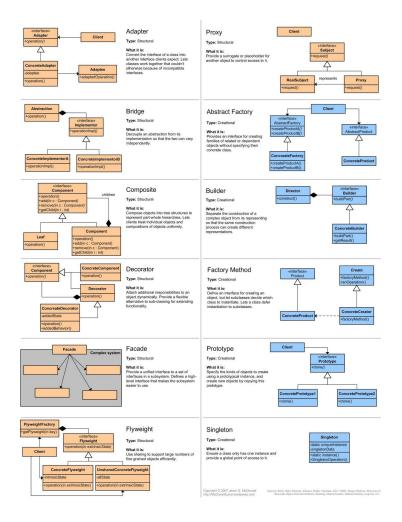


- 1. Mapping subjects to their observers.
- 2. Observing more than one subject.
- 3. Who triggers the update?
- (a) Have state-setting operations on Subject call Notify after they change the subject's state.
- (b) Make clients responsible for calling Notify at the right time.
- 4. Dangling references to deleted subjects. Deleting a subject should not produce dangling references in its observers.
- 5. Making sure Subject state is self-consistent before notification.
- 6. Update protocols: the push and pull models.
- 7. Specifying modifications of interest explicitly.
- 8. Combining the Subject and Observer classes.

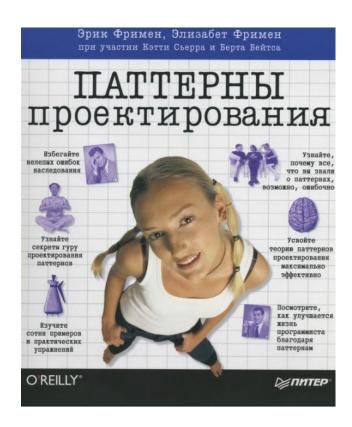
Design patterns cheat sheet

http://viralpatel.net/blogs/download/design-pattern-scard.pdf





Additional materials



Useful links

http://www.oodesign.com/

http://stackoverflow.com/questions/1673841/ex

amples-of-gof-design-patterns

http://citforum.ru/SE/project/pattern/