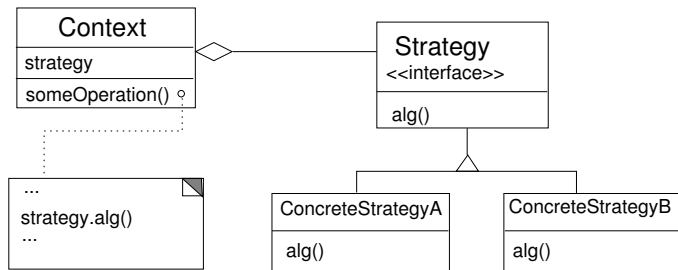# CS 335 — Software Development

State and Strategy patterns
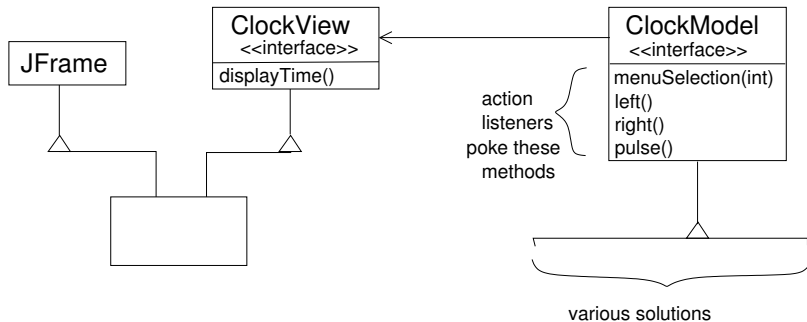
Feb 19 & 21, 2014

Strategy pattern

Define a family of algorithms, encapsulate each one, and make them interchangeable. The Strategy Pattern lets the algorithm vary independently from the clients that use them. [DP, pg 315]
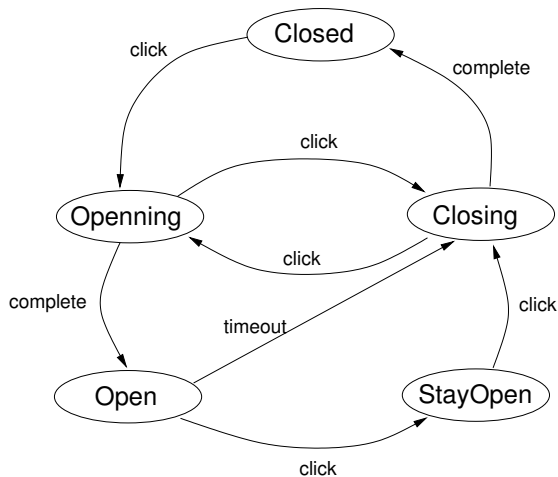
Strategy pattern

Compare DP, pg 316.

State pattern

various solutions
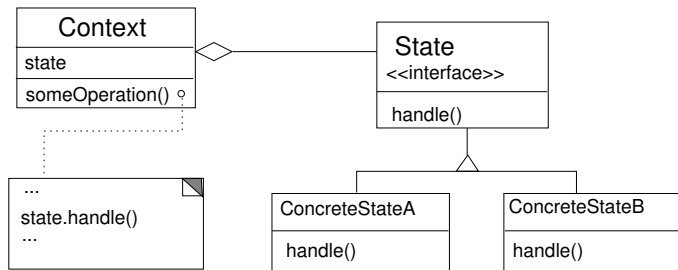
State pattern

Allow an object to alter its behavior when its internal state changes. The object will appear to change its class. [DP pg 305.]
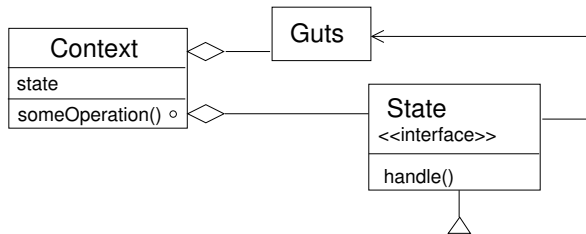
State pattern

Based on an example in Steven John Metsker, *Design Patterns Java Workbook*.

State pattern

Compare DP, pg 306.

State pattern

State pattern