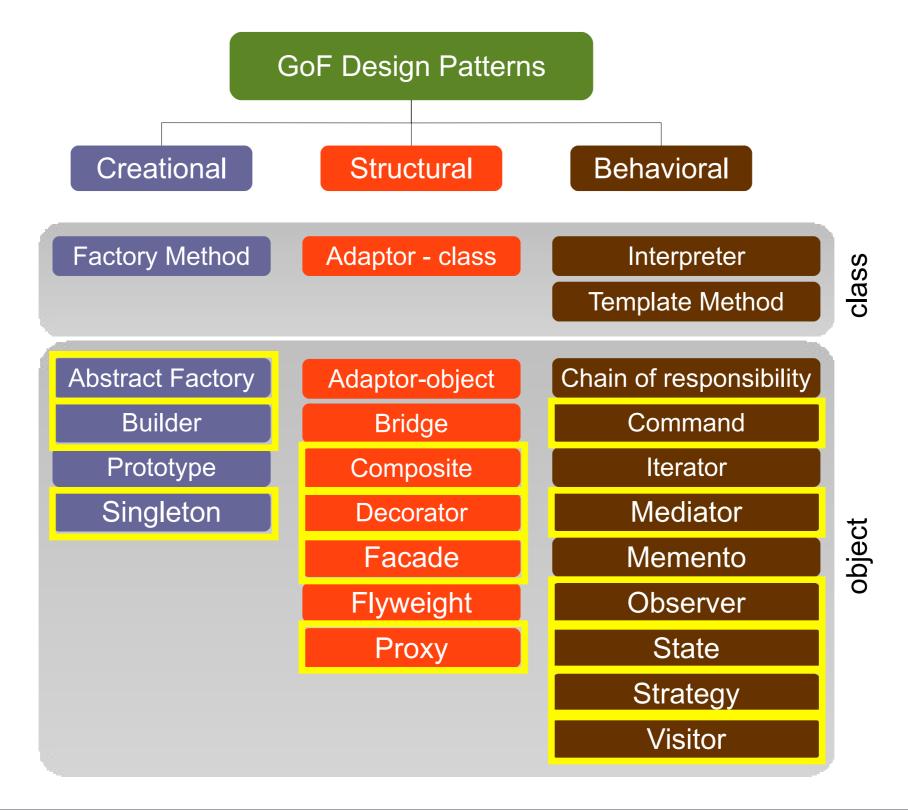
Material and some slide content from:
- GoF Design Patterns Book

Design Patterns #4 & MidTerm Postmortem

Reid Holmes

GoF design patterns







- Intent: "Encapsulate a family of algorithms making them interchangeable."
- Motivation: In situations where you want to be able to?
- Applicability:
 - Many classes differ only in their behaviour.
 - > ?
 - An algorithm uses data a client should not know about.
 - **?**





Structure

- Participants:
 - Strategy (Compositor) / ConcreteStrategy
 - Context (Composition)





- Collaborations:
 - Strategy and Context collaborate to implement the algorithm. Sometimes it makes sense for the Strategy to call back to its context.
 - Context forwards requests from client to its strategy.
- Consequences:
 - ?
 - Avoids subclassing; ?
 - **?**
 - Multiple implementations of the same behaviour can exist.
 - Clients need to know about the strategies to use them.
 - Increased number of objects.





- Implementation:
 - ▶ 1) Defining Strategy / Context interfaces.
 - 2) Making Strategy object optional.
- Related to: Strategy objects make good flyweights.





MidTerm Postmortem

