

Pattern Principles

- + Encapsulate variance
- + Abstract the invariant
- + Favor composition

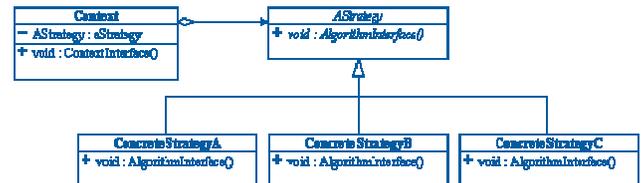
Design Patterns Designed

- + Pattern Name
- + Intent
- + Problem/Motivation
- + Solution
- + Participants & Collaborators
- + Consequences
- + Implementation

Strategy

- + **Intent:** Encapsulate each of a family of behaviors such that the use of the behaviors varies independently of the client.
- + **Motivation:** Remember the animals...

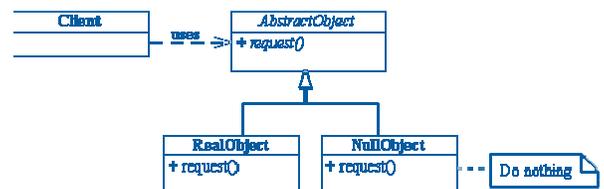
Strategy: Structure



Null Object

- + **Intent:** Provide an object as a surrogate for the lack of an object of a given type.
- + **Motivation:** Sometimes the correct behavior is to do nothing. However, collaborators should be able to treat "non-behaviors" and behaviors uniformly.

Null Object: Structure



Command

- + **Intent:** Encapsulate a request or action as an object.
- + **Motivation:** Sometimes we need to issue commands without knowledge of the specifics of any command – a menu is a good example.