Design Patterns

SE2 – Spring Semester 2022

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Computer Science

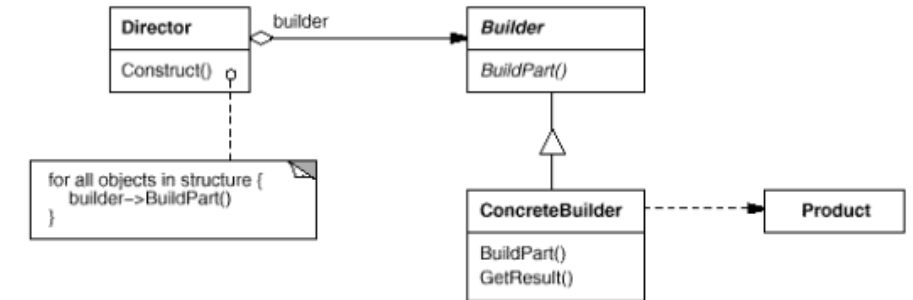**Design Patterns**

- Builder

- Prototype

- Flyweight
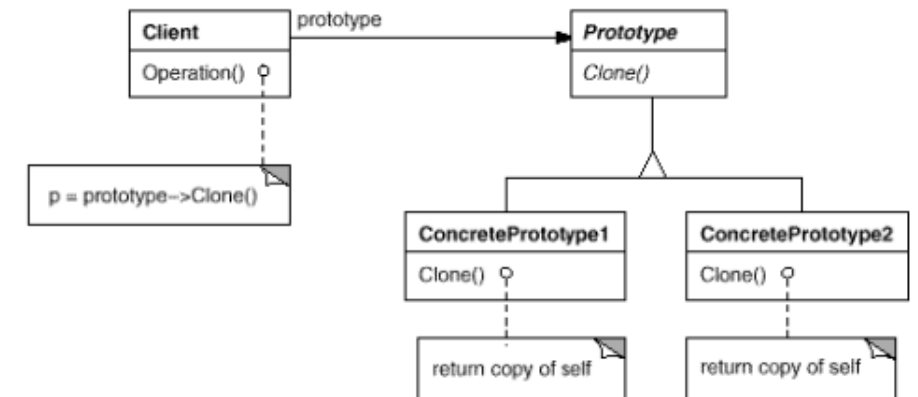
- Iterator

- Memento

- Mediator

OST

Builder

- Separates construction of complex class

- Can hide the creation of complex objects

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OST

Prototype
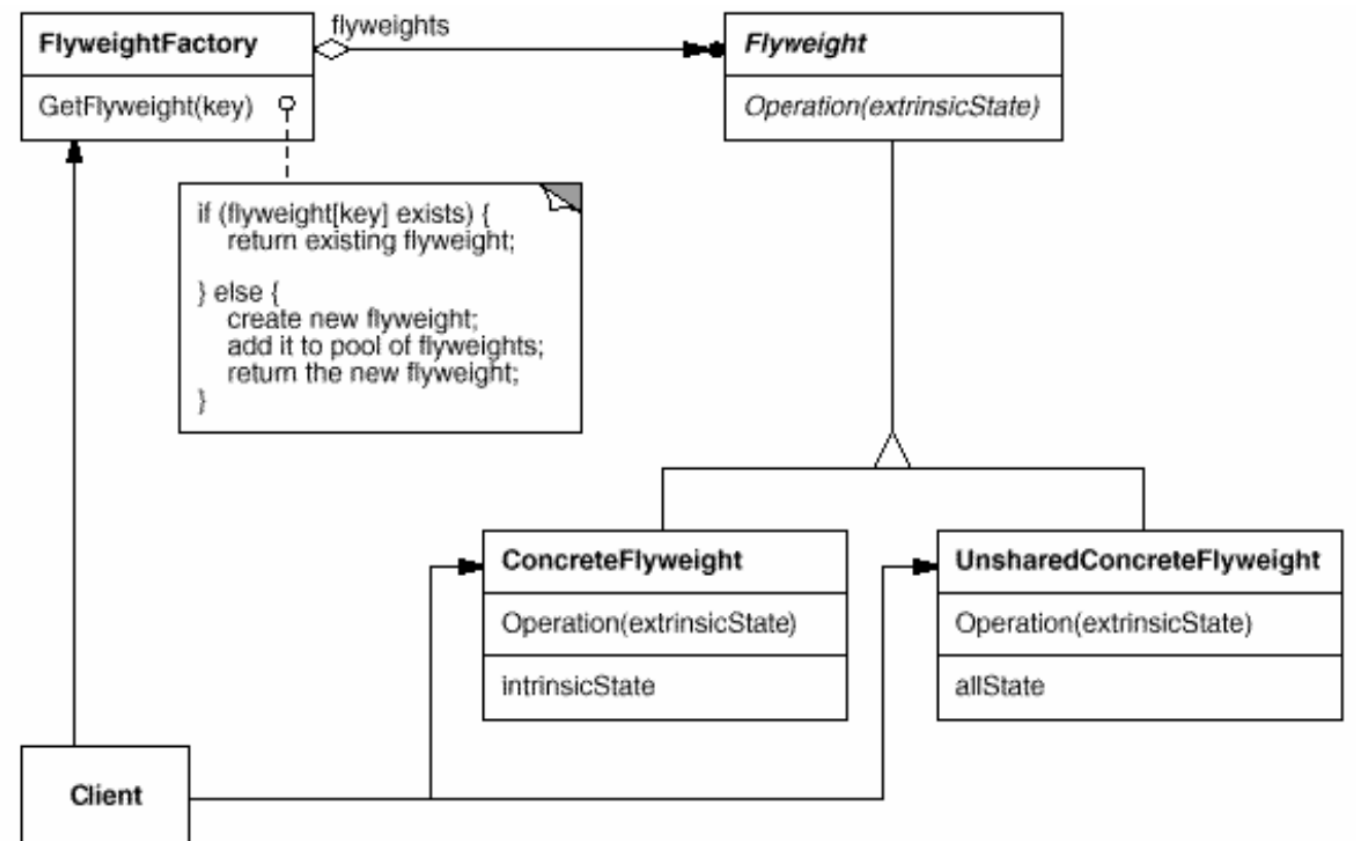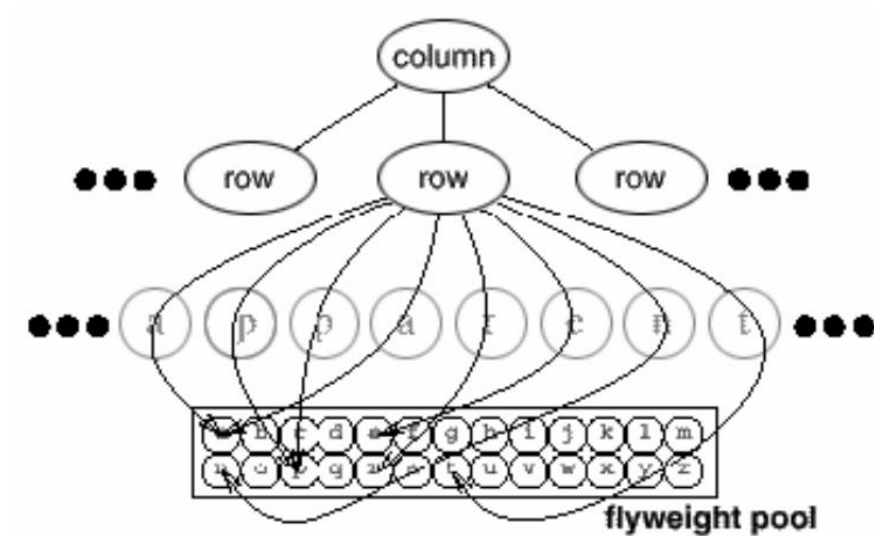
- Factory Method for objects

- Cloning a concrete object

- Clone function is crucial

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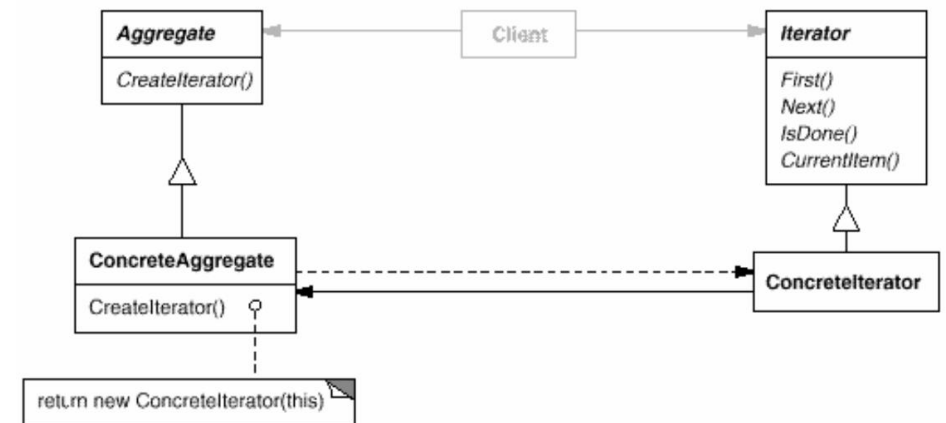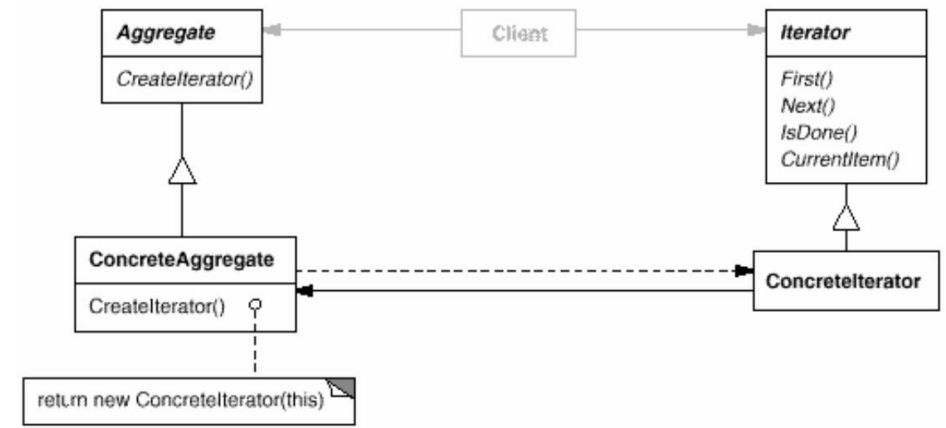# Flyweight

Iterator

- Used to access items in data structure uniformly

- Hides implementation of the data structure

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Memento

- Store internal state

- Restore internal state

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Mediator