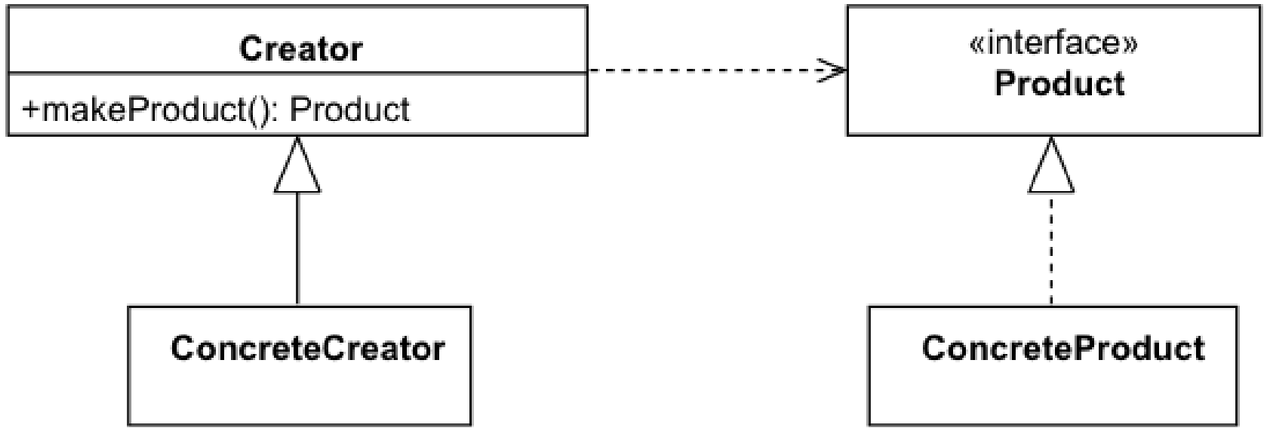
Factory Method

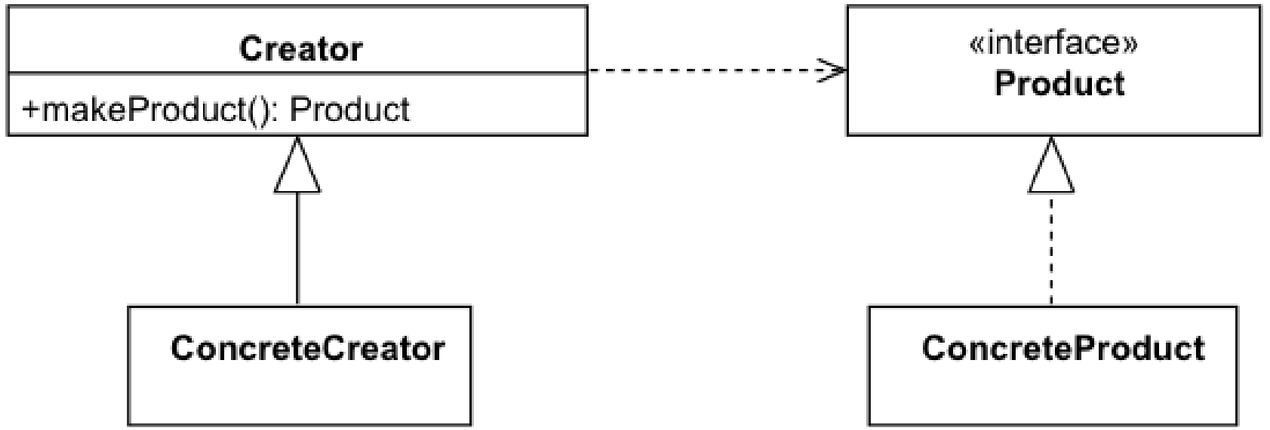
Decouples the caller from the concrete types it creates.

Creator defines
the factory method



Creator defines
the factory method

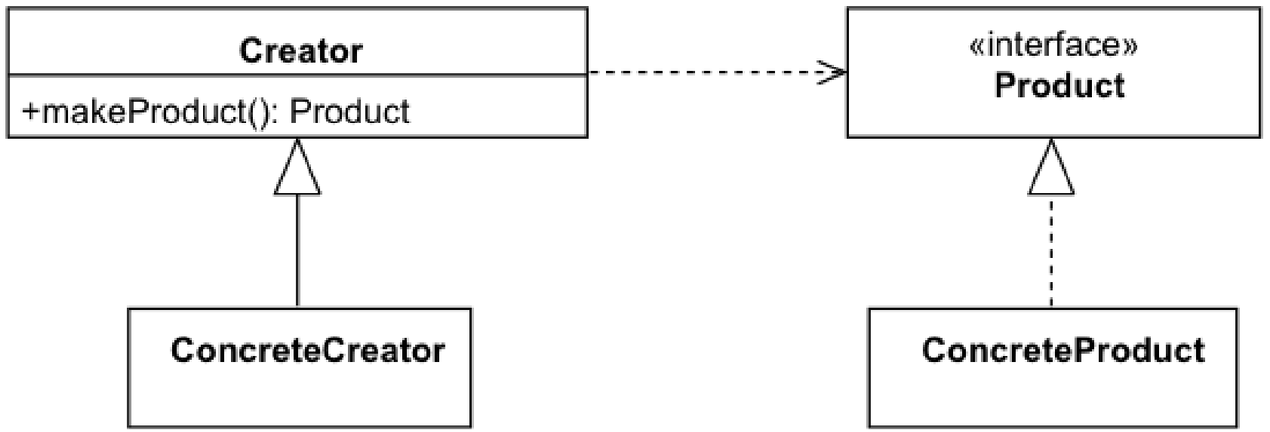
Client deals
with the Product



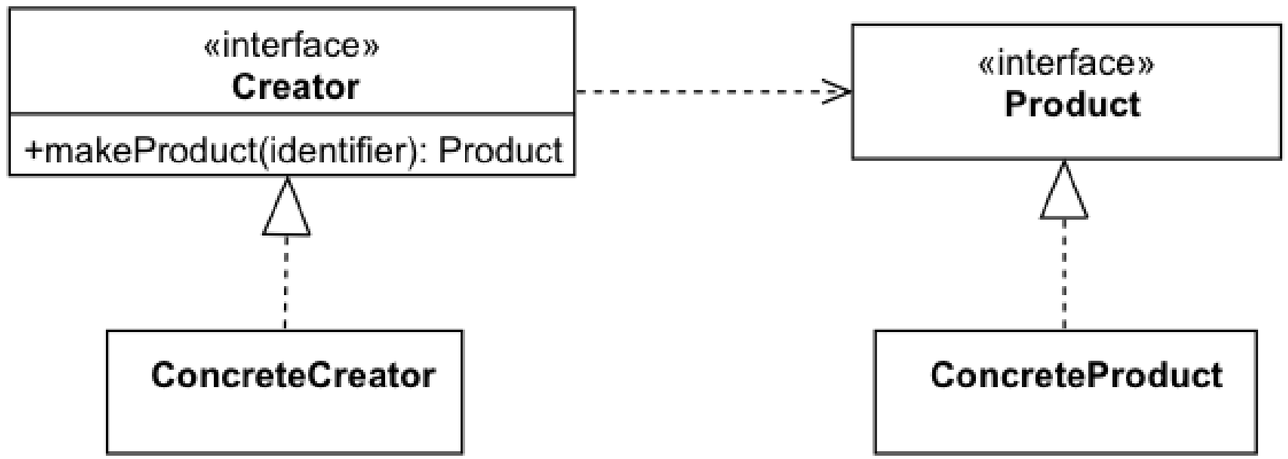
Creator defines
the factory method

Client deals
with the Product

Subclass Creator for
new Product types

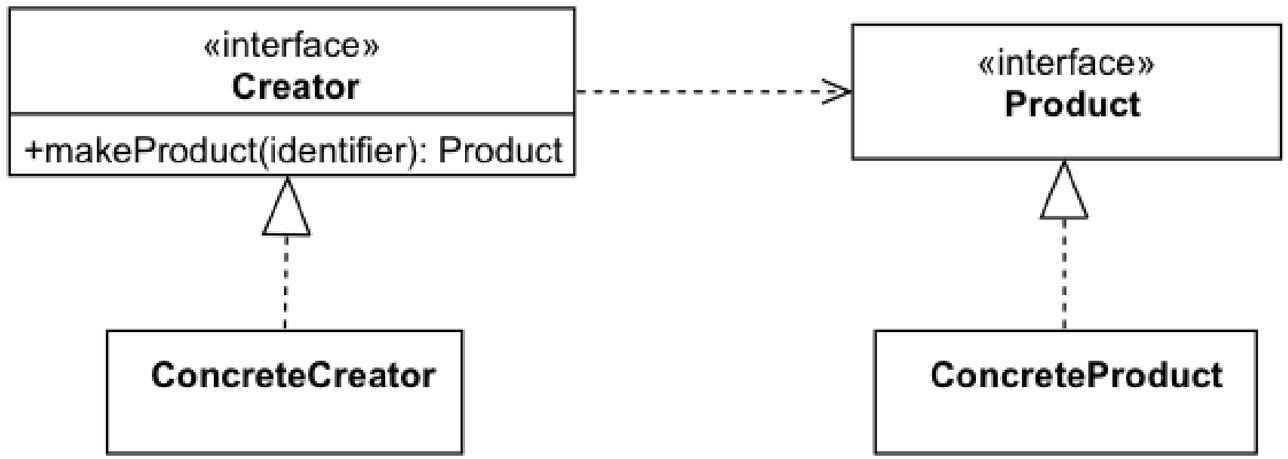


Parameterized Factory Method



Parameterized Factory Method

Can create multiple products



Factory Method

Purpose

- Decouples caller from concrete types
- Promotes loose coupling

Two Variants

- Creator subclass per Product type
- Parameterized Factory Method

Applicability

- Created types need to share a common protocol or base class