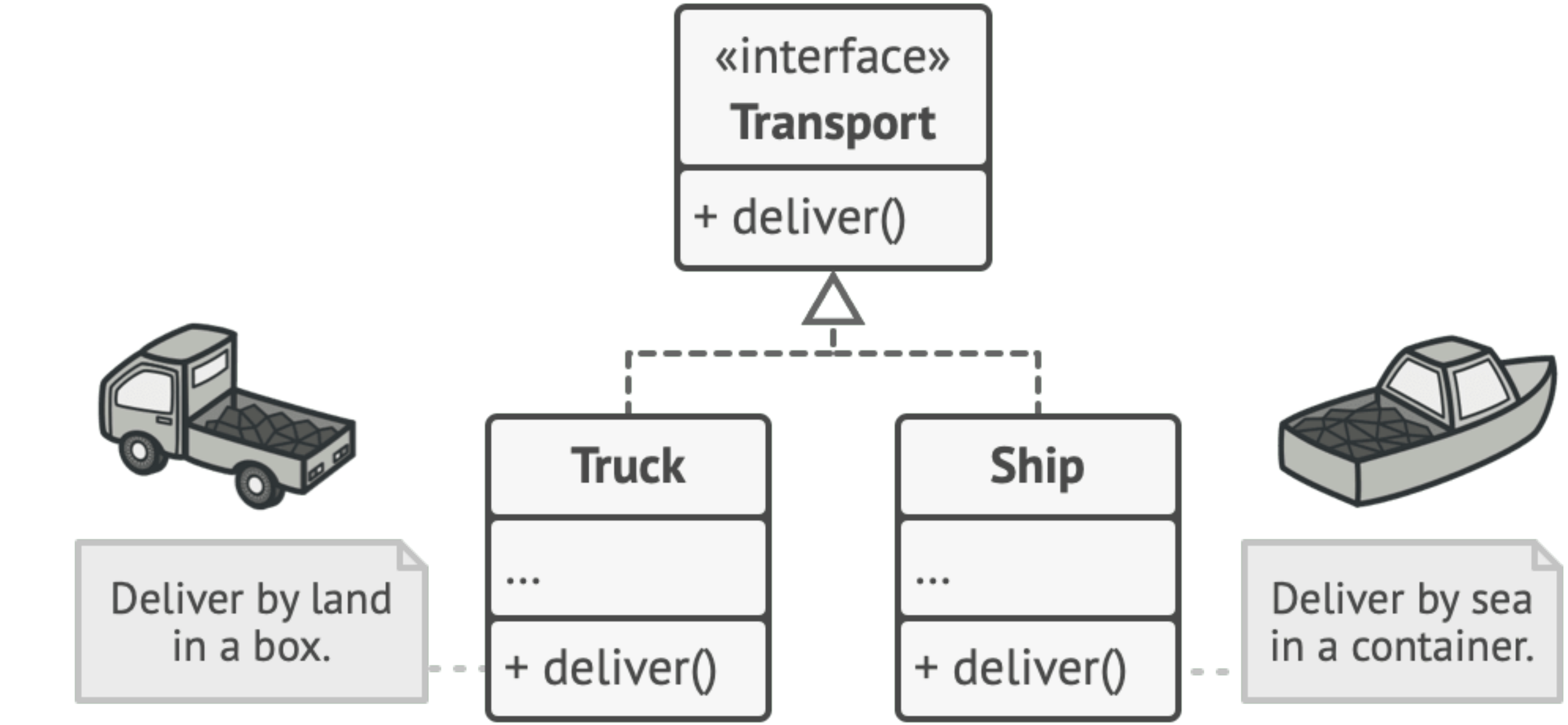
TEMPLE

UNIVERSITY®

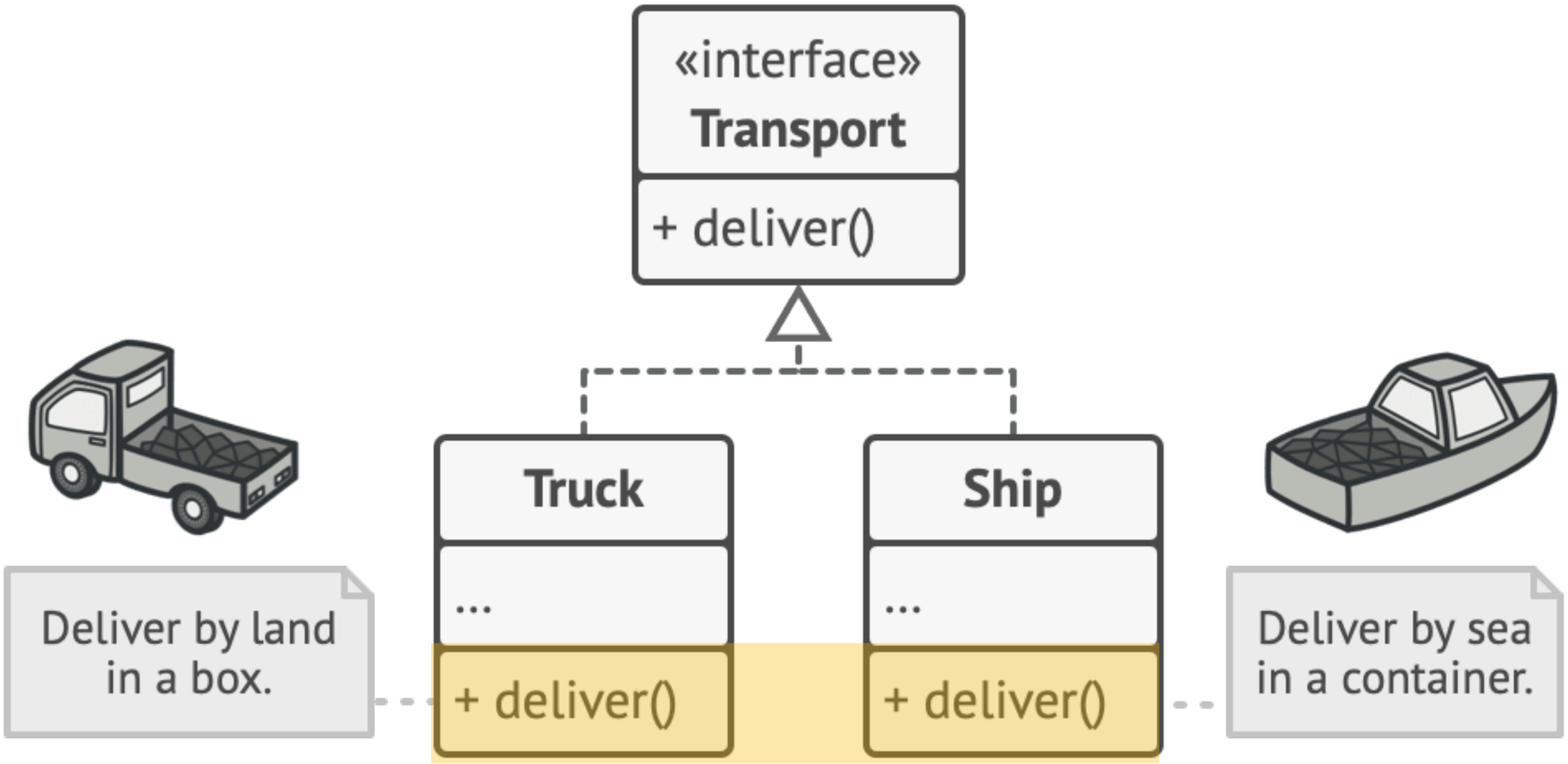
Ian Tyler Applebaum • Instructor • Temple University CIS

Source: https://refactoring.guru/design-patterns/factory-method


«interface»
Transport
+ deliver()
Truck
...
+ deliver()
Ship
...
+ deliver()
Deliver by land
in a box.
Deliver by sea
in a container.

All products must follow the same interface.

Truck and Ship classes should implement the Transport interface, which declares a method called deliver.



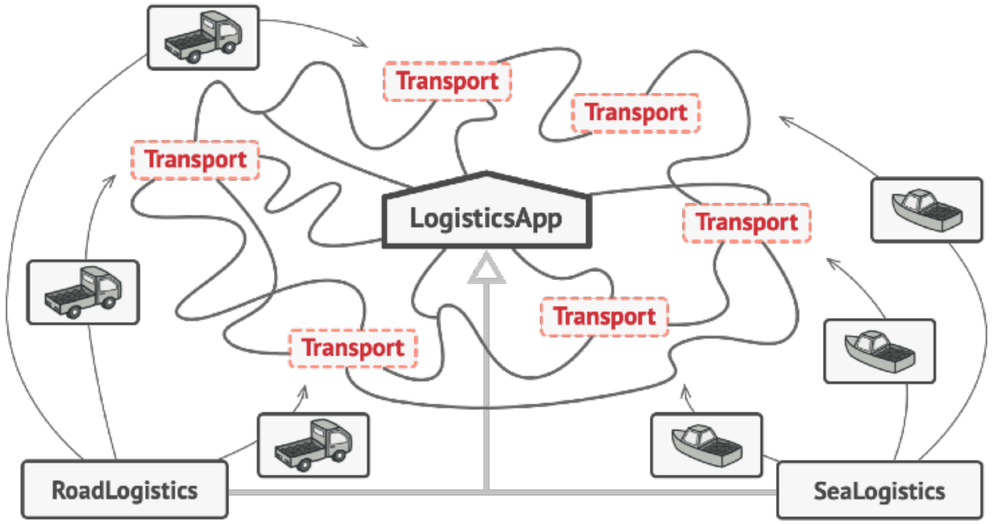
All products must follow the same interface.

Truck and Ship classes should implement the Transport interface, which declares a method called deliver.

Source: https://refactoring.guru/design-patterns/factory-method

Factory Method Usage

- Factory Method Usage: Allows client code to use different product classes interchangeably through a common interface.
- Product Class Implementation: Product classes implement a common interface but have different implementations of methods.
- Client Code Interaction: Client code interacts with product classes through the common interface, unaware of the specific implementations.



You can pass objects of all product classes to the client code without breaking it, as long as they implement a common interface.

TEMPLE UNIVERSITY®

Ian Tyler Applebaum • Instructor • Temple University CIS

https://refactoring.guru/design-patterns/factory-method