

Factory Pattern Demo: Problem Statement

- Suppose you're developing a software system for a pizza store that allows customers to order pizzas online. The store offers various types of pizzas (e.g. Chicago vs New York style), each with different toppings. You need to develop a way to handle the creation of these pizzas efficiently and to encapsulate the creation logic.

Why use the factory pattern?

- The Factory Pattern is suitable for this scenario because it allows for the creation of different types of pizza objects without exposing the instantiation logic to the client. This pattern provides a way to centralize pizza creation, enabling easy addition of new types of pizzas in the future without modifying existing code. It also ensures that the client code remains decoupled from the specifics of pizza creation.