

# When should I use a struct & Record instead of a class?

**Use class** → general-purpose OOP, identity-based, mutable objects (like Book, Customer, Order).

**Use struct** → small, lightweight, immutable data, performance-sensitive (like Point, ComplexNumber).

**Use record** → immutable data models, value-based equality, DTOs, functional style (like config objects, messages in event-driven systems).

If you just want a “bag of data” to compare by value → **record**.

If you want a **mathematical value type** → **struct**.

If you want an **entity with identity** → **class**.