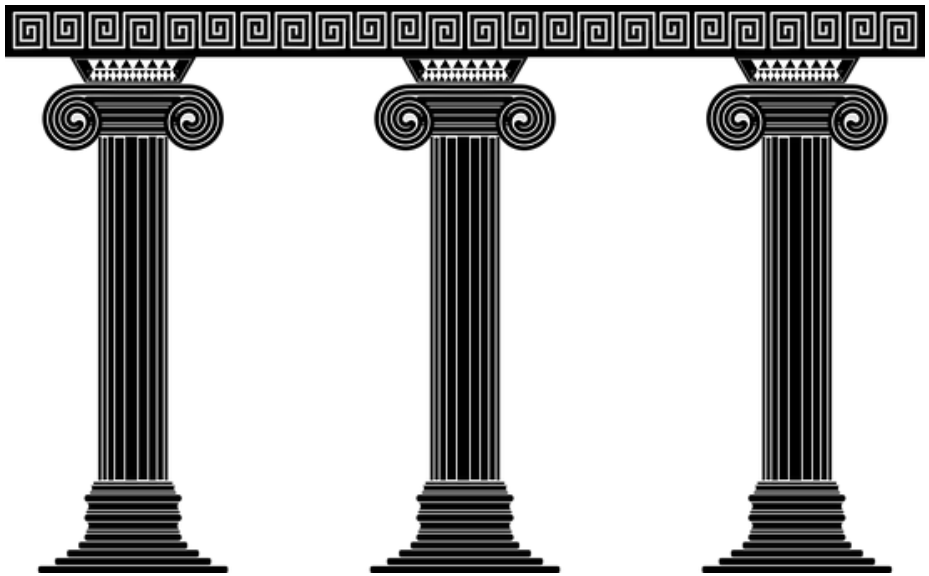
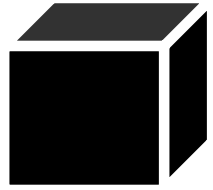
Lecture

Abstraction

Abstraction



Abstraction



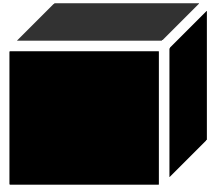
The **interface** should be **independent** of the **implementation**.

Abstraction

Component

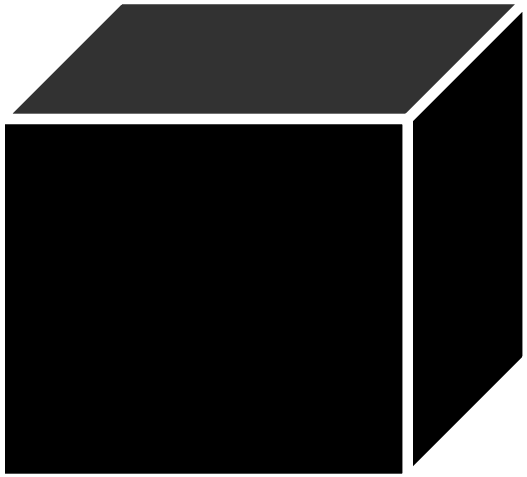
- **Interface**
  - User's view
- **Implementation**
  - Developer's view

Abstraction

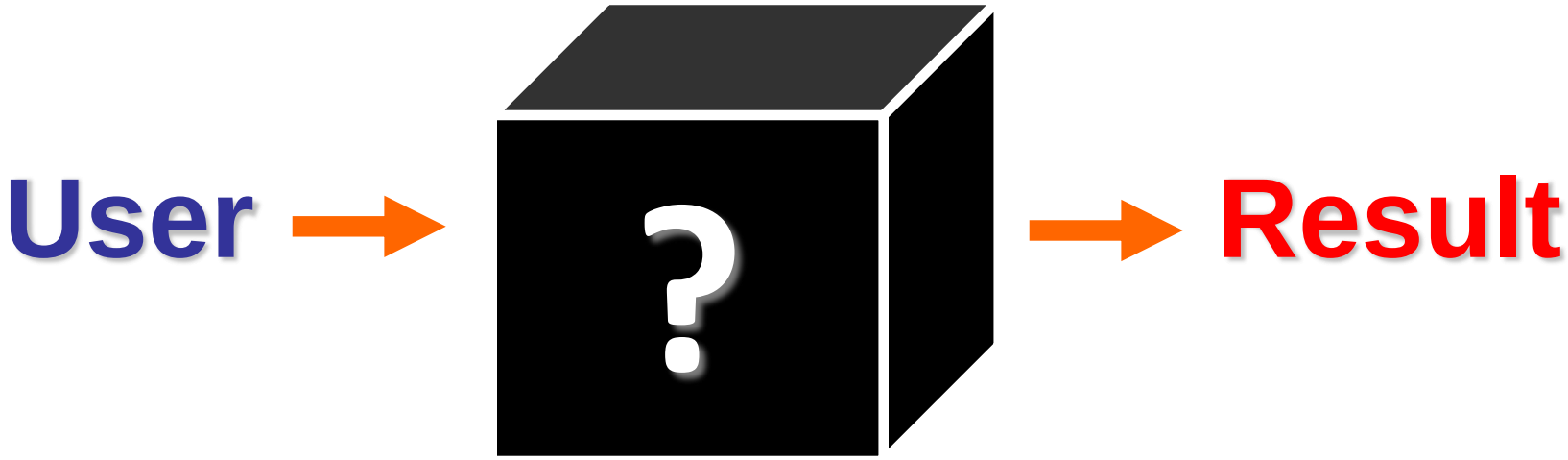


The **interface** should be **independent** of the **implementation**.

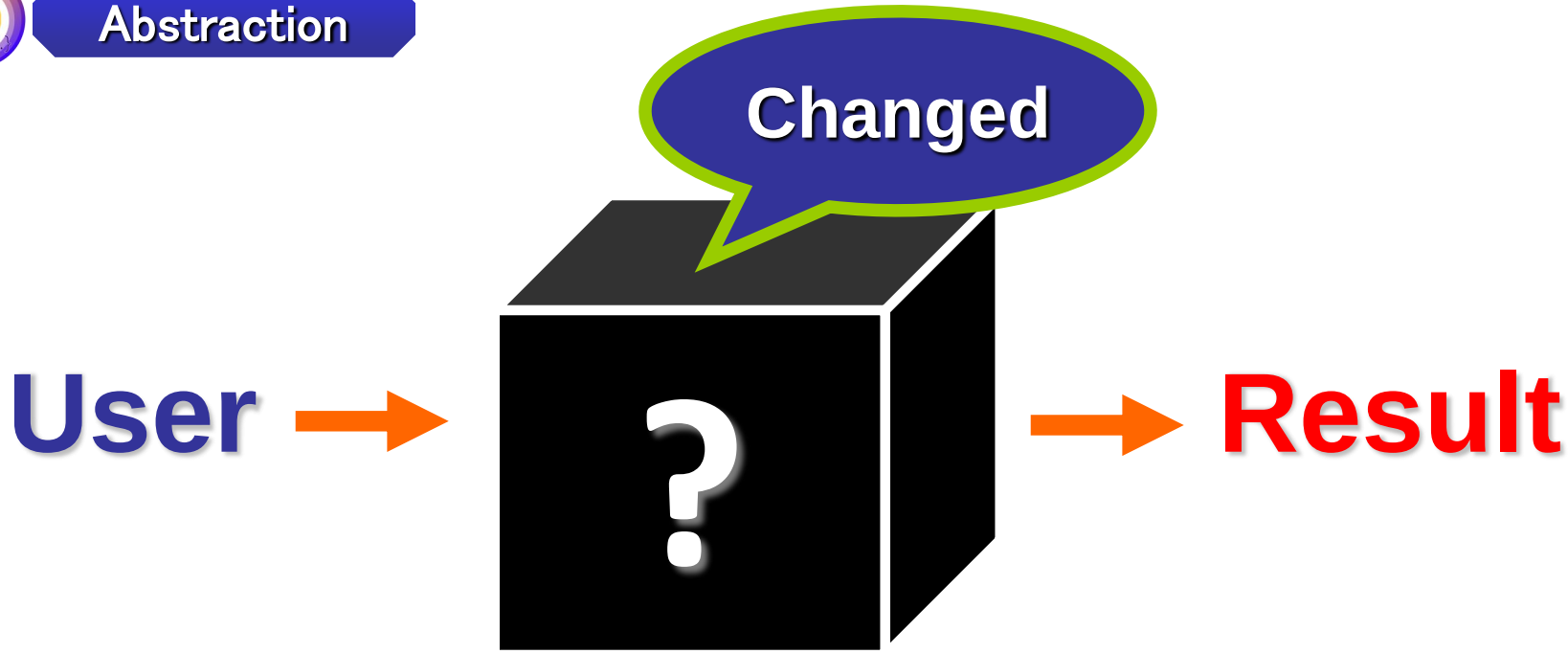
Abstraction

User →  → Result

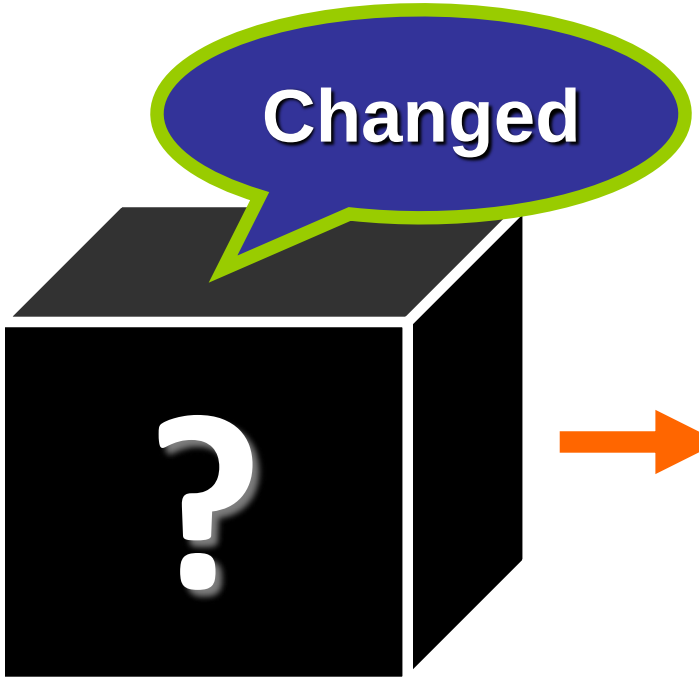
Abstraction



Abstraction



Abstraction



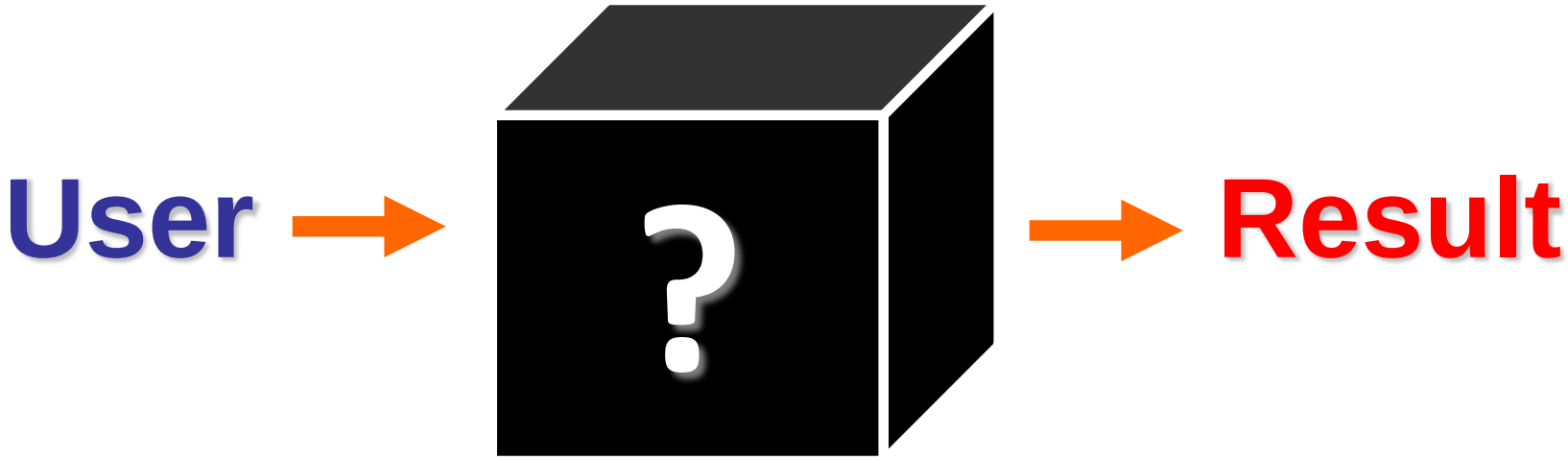
User → → Result

No change for the user

Abstraction

Abstraction

Abstraction



Abstraction

Data + Actions

Abstraction

Data + Actions

Abstraction

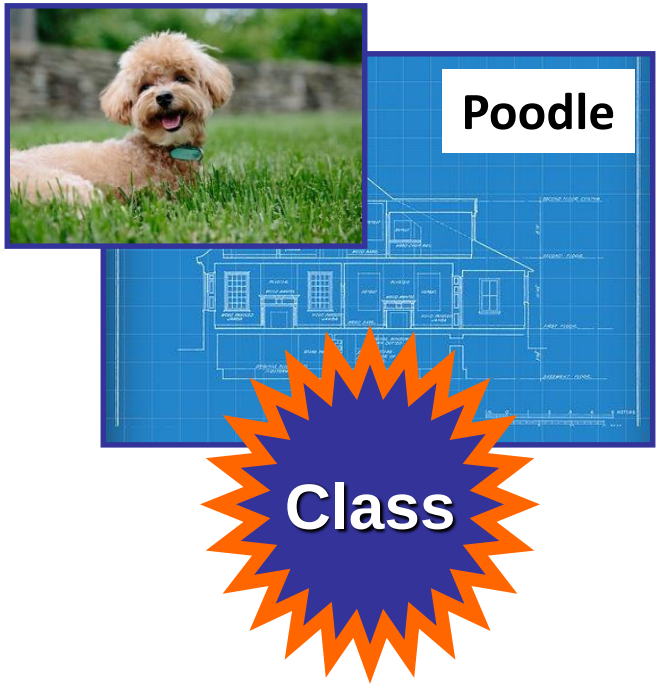
Data + Actions

Abstraction

Data + Actions

Abstracting out common parts of the code to avoid repetition.

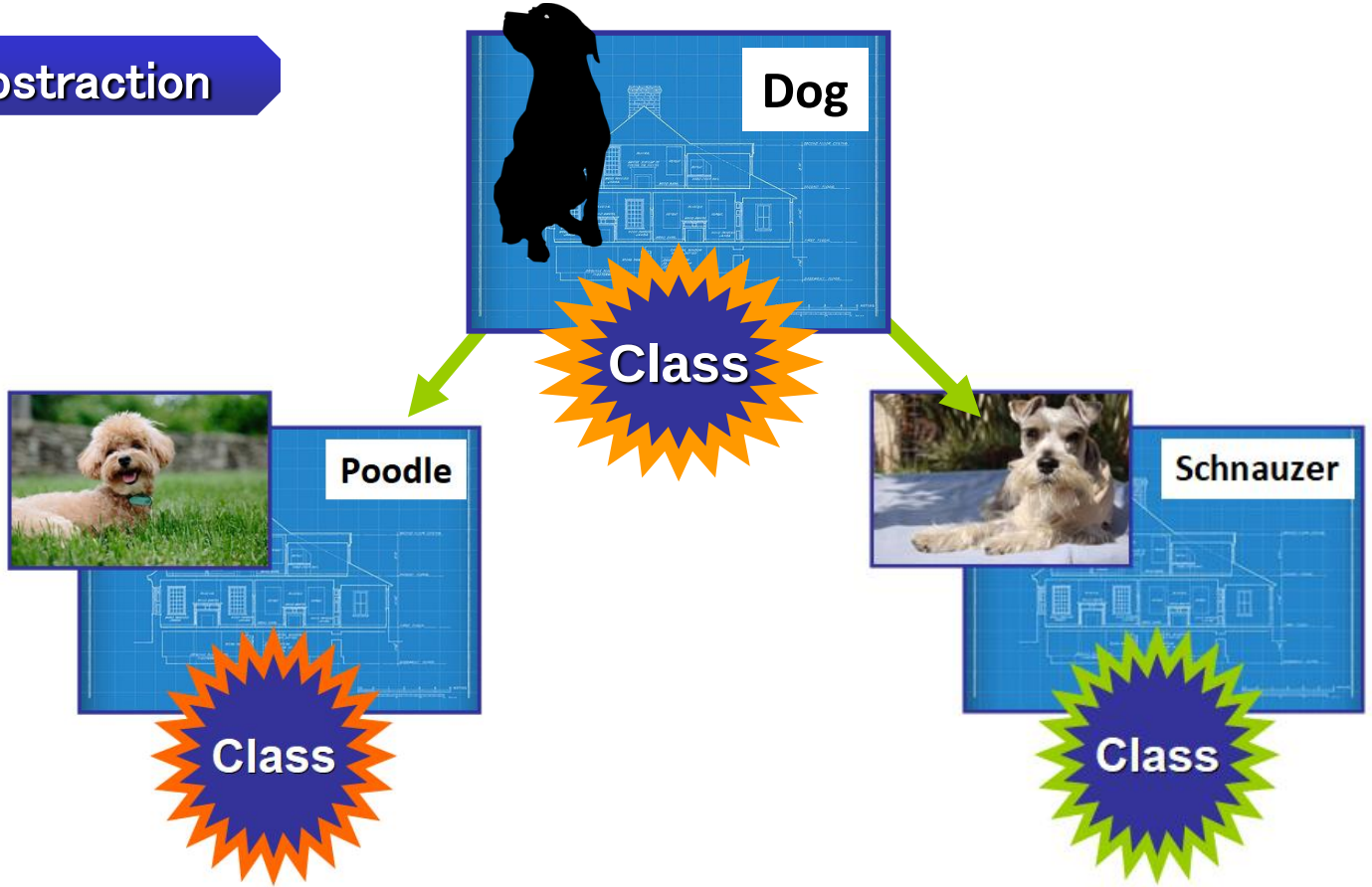
Abstraction



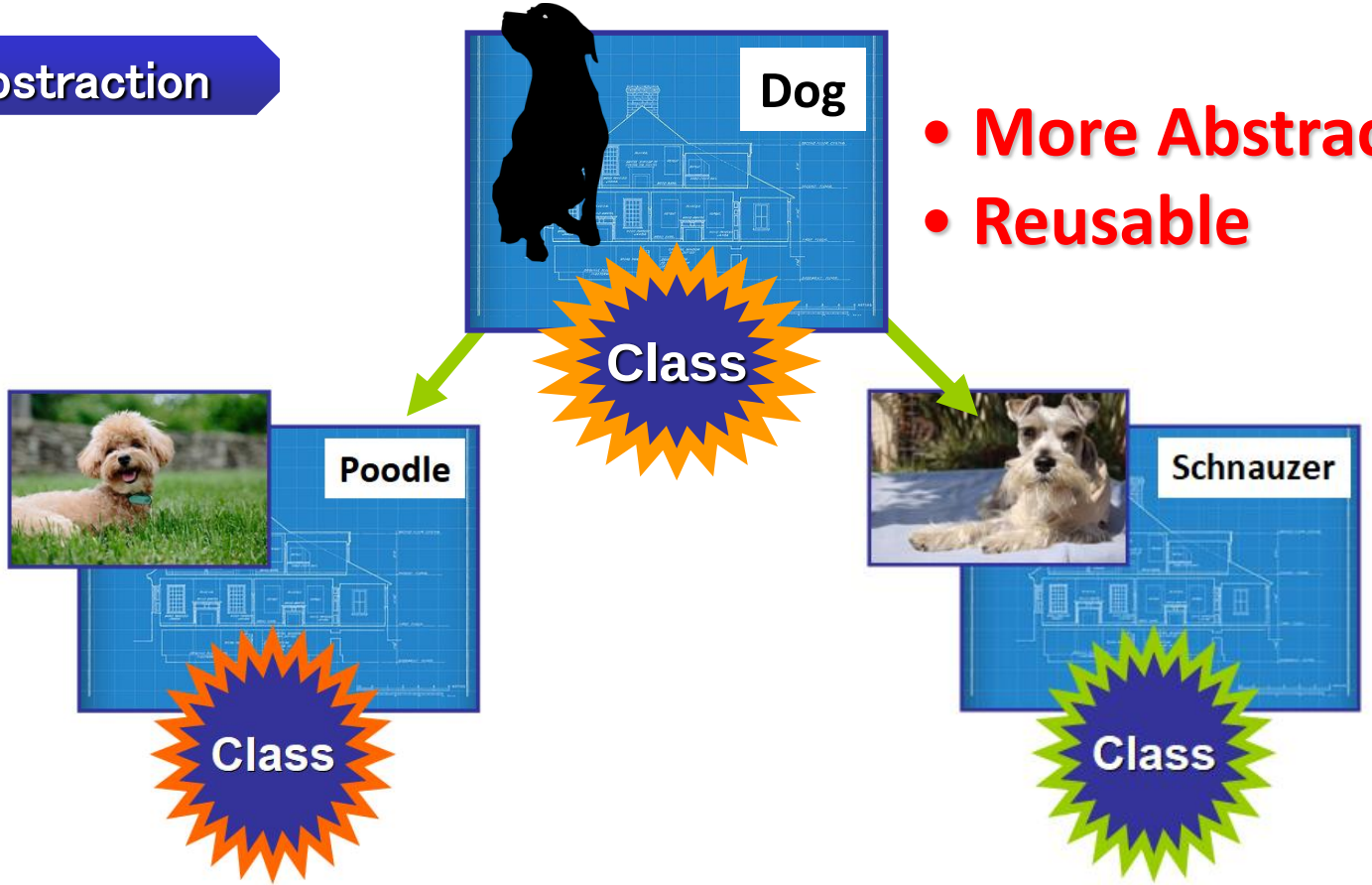
Abstraction

Repeated Code

Abstraction



Abstraction



- More Abstract
- Reusable

Public vs. Non-Public