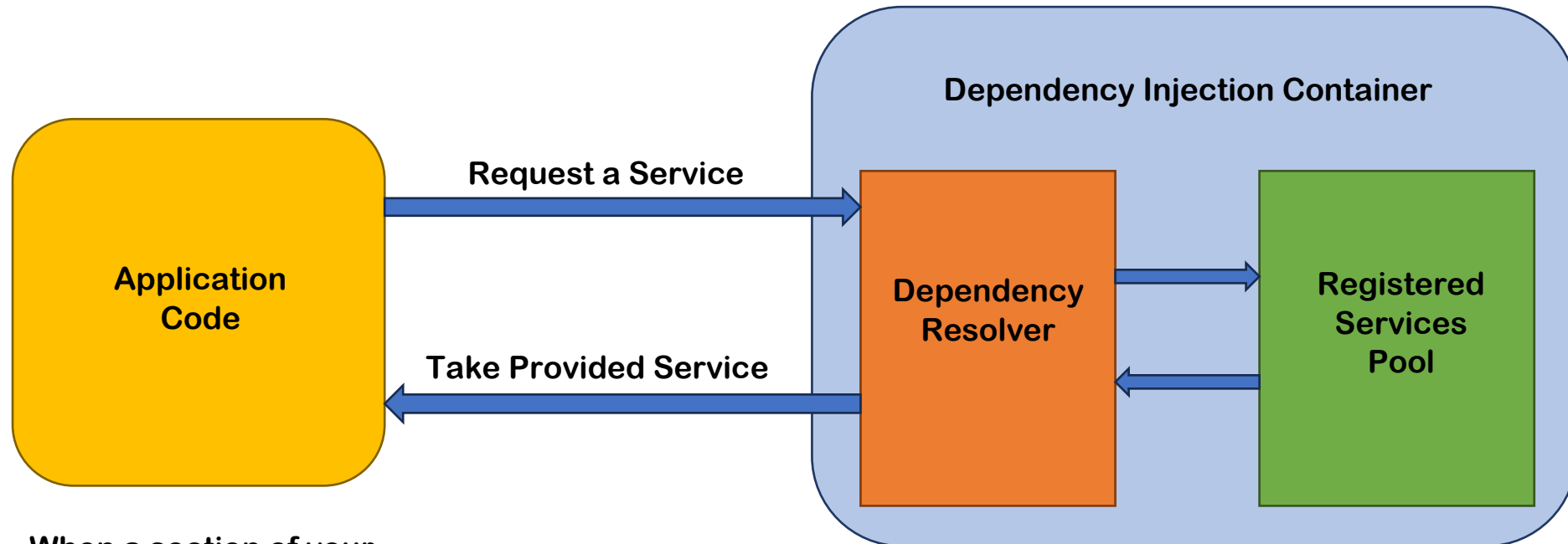


Dependency Injection System

Dependency injection can be used to manage situations where a particular service or component is required in many places throughout your code. Instead of instantiating an instance of the required component in each place it is needed, this system pools these components in a shared container where they can be requested when needed.

This system decreases coupling between classes/components, reduces resource overheads and allows you to make changes easier when replacing services.



When a section of your code requires another component to perform its functionality it requests it from the dependency injection system.

The dependency resolver receives the request and finds the appropriate service to meet the required component.

It then retrieves the required service from the services pool and passes it to the requester.