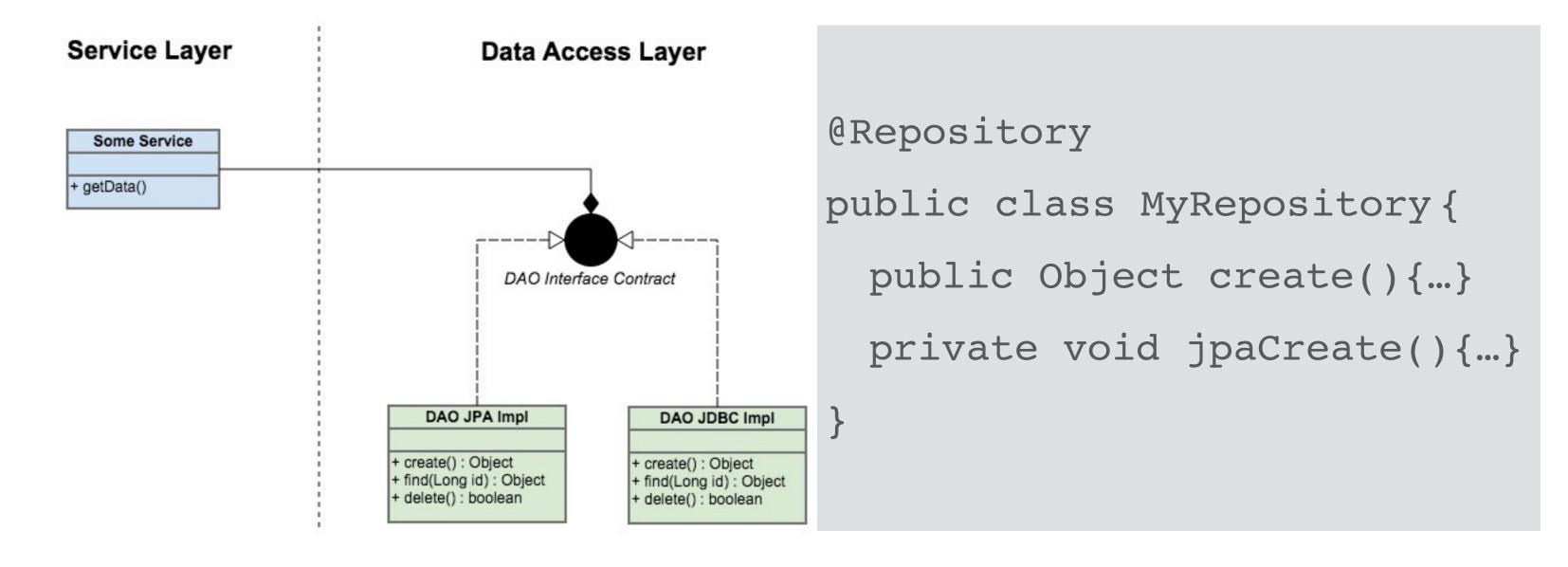
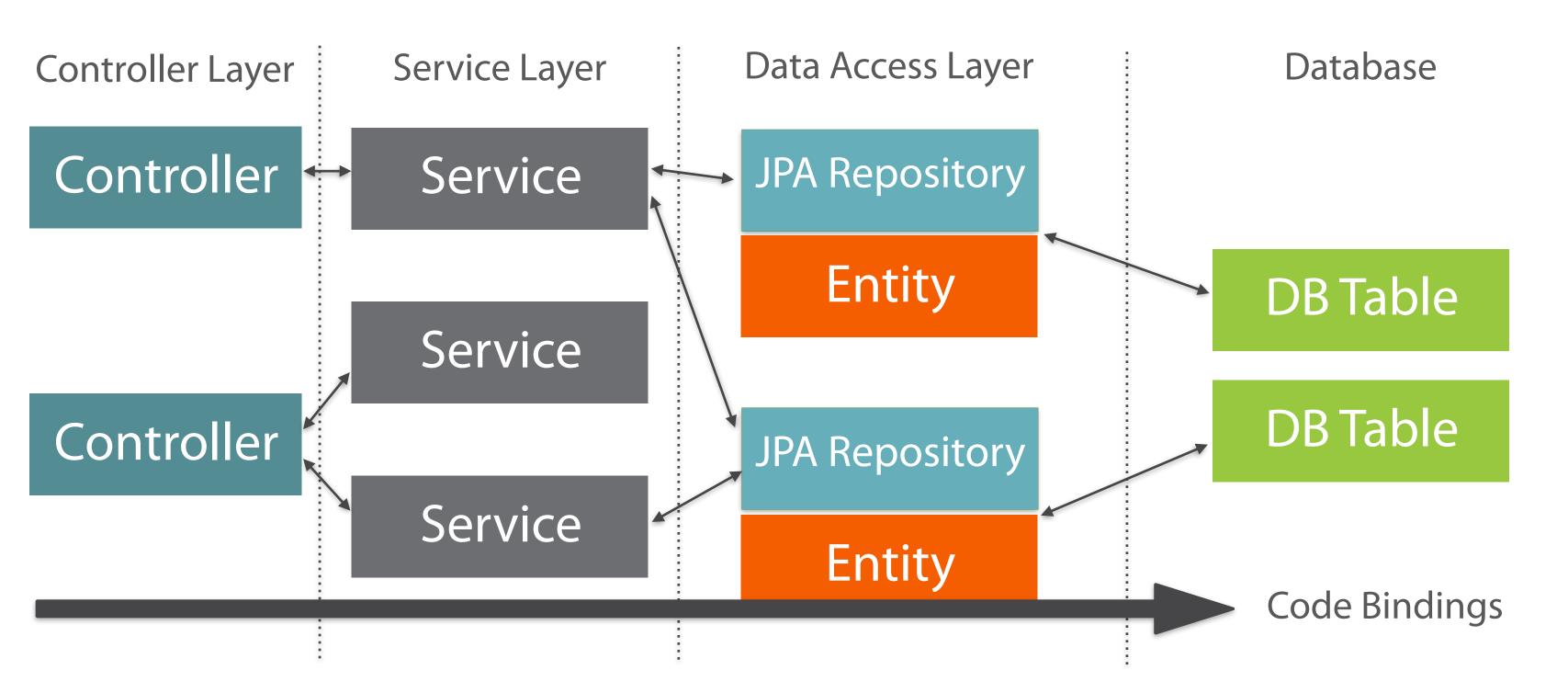
## Spring Repositories

Repositories are data access contracts that client code can depend and bind to



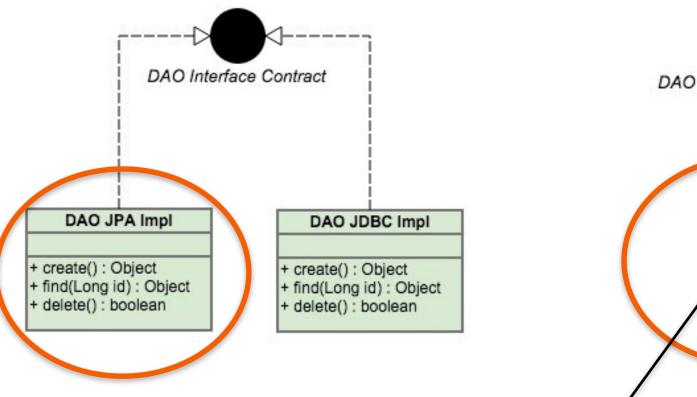
## Repository Architectural Overview



## Spring Data JPA Repositories

#### JPA Repository Differences

- Java interface, not class
- Map 1 to 1 with a JPA entity
- Focus on DAO contract

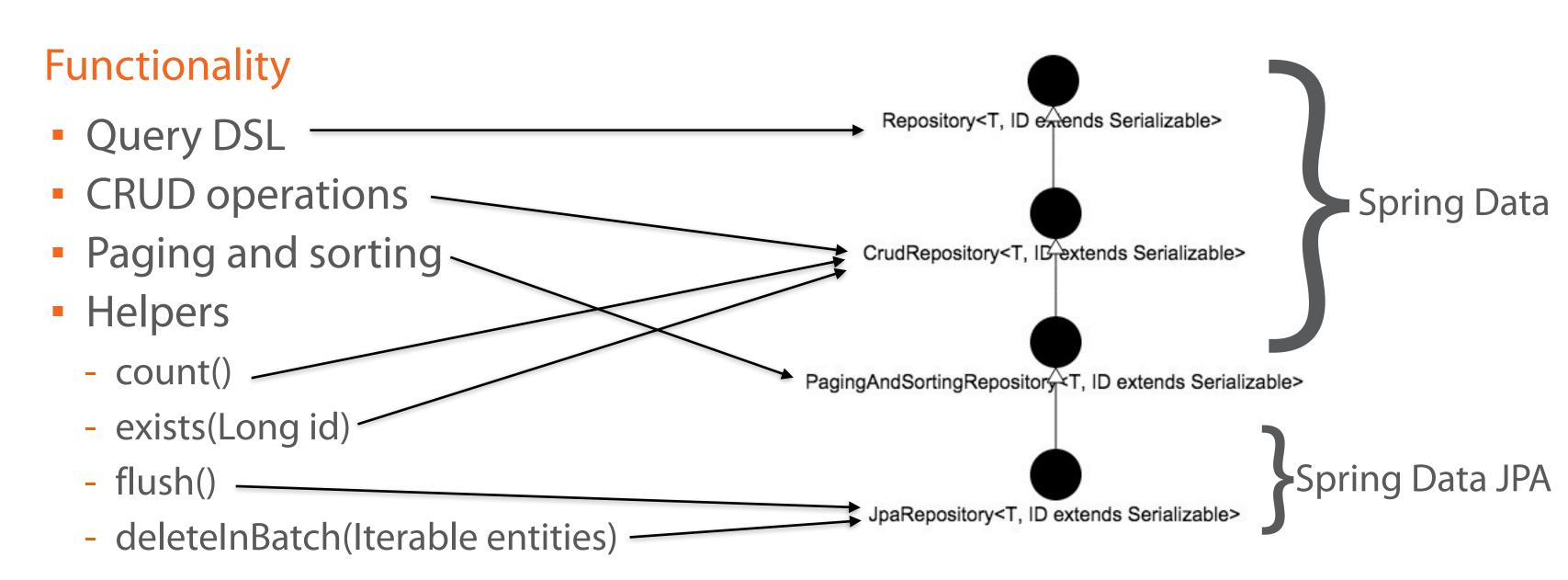




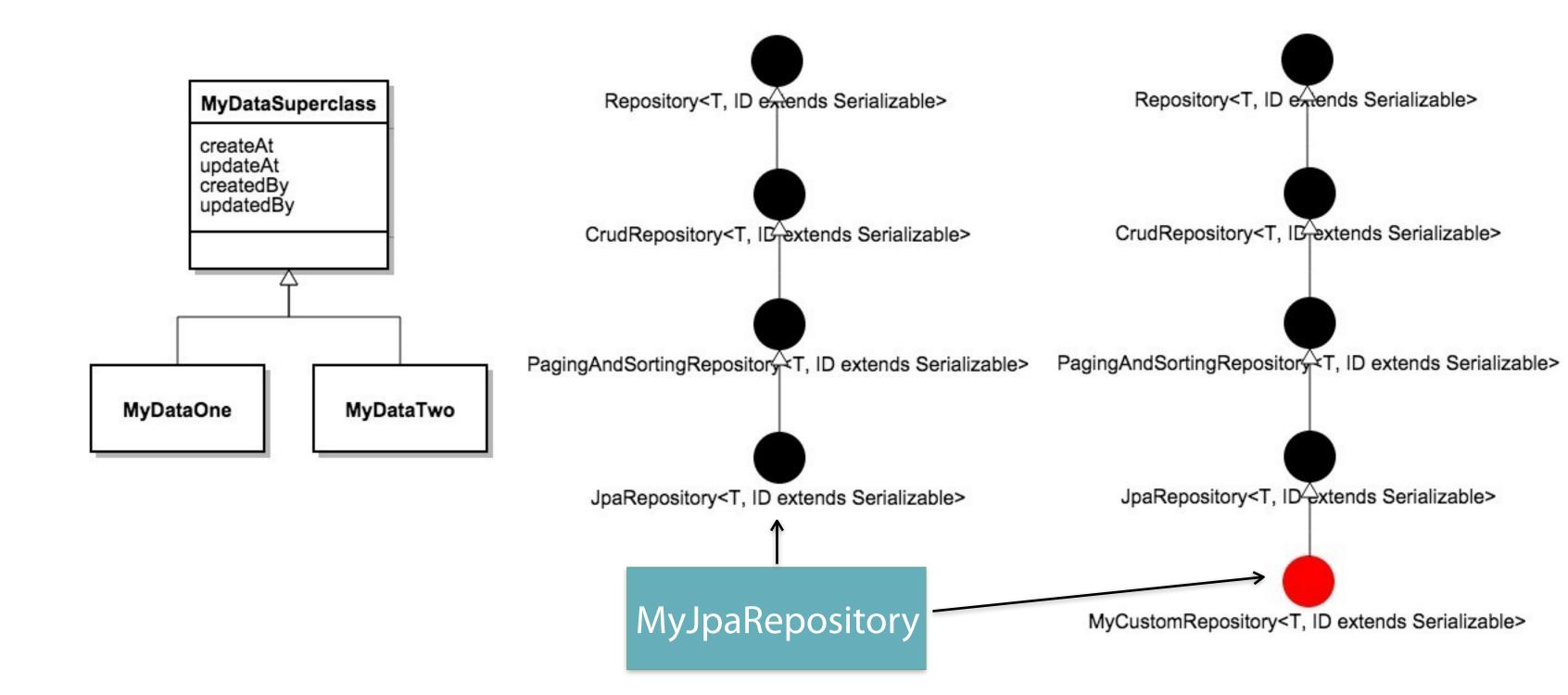
Thanks Spring Data JPA for implementing this for us!

```
public interface MyJpaRepositoryextends JpaRepository<Entity, Id Type>{
}
```

## JpaRepository Features



# Tip: Customize JpaRepository Hierarchy



## Tip: Refactoring Existing Repositories

Test suite

Create a new interface with a new name MyRepository -> MyJpaRepository

Switch out client code to new DAO contract

Move repository to a proxy, inject new JpaRepository

## Summary



Architectural concepts

JpaRepository features

Tips and tricks

DAO contract is important