

Reducing Queries with Spring Data Repositories



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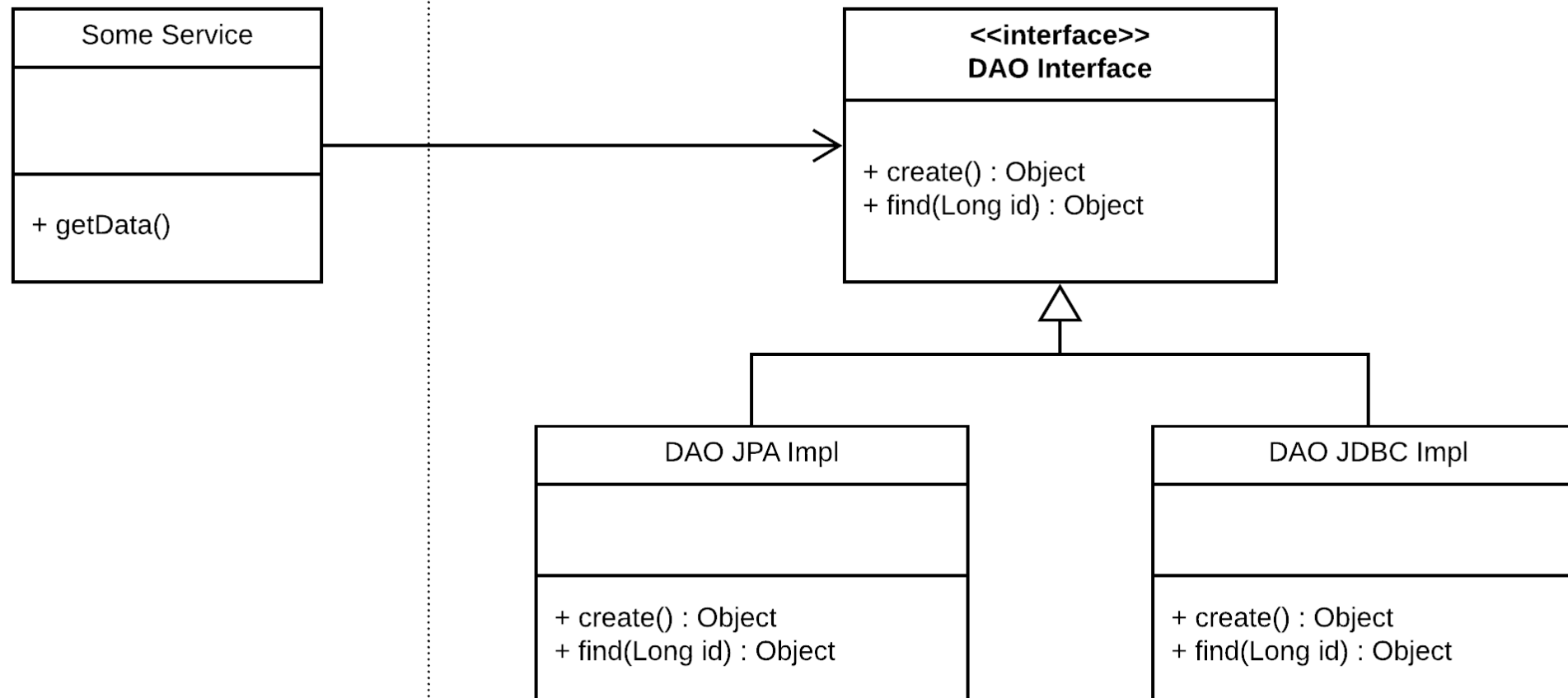
Understanding Spring's @Repository



Persistence Contract

Service Tier

Persistence Tier

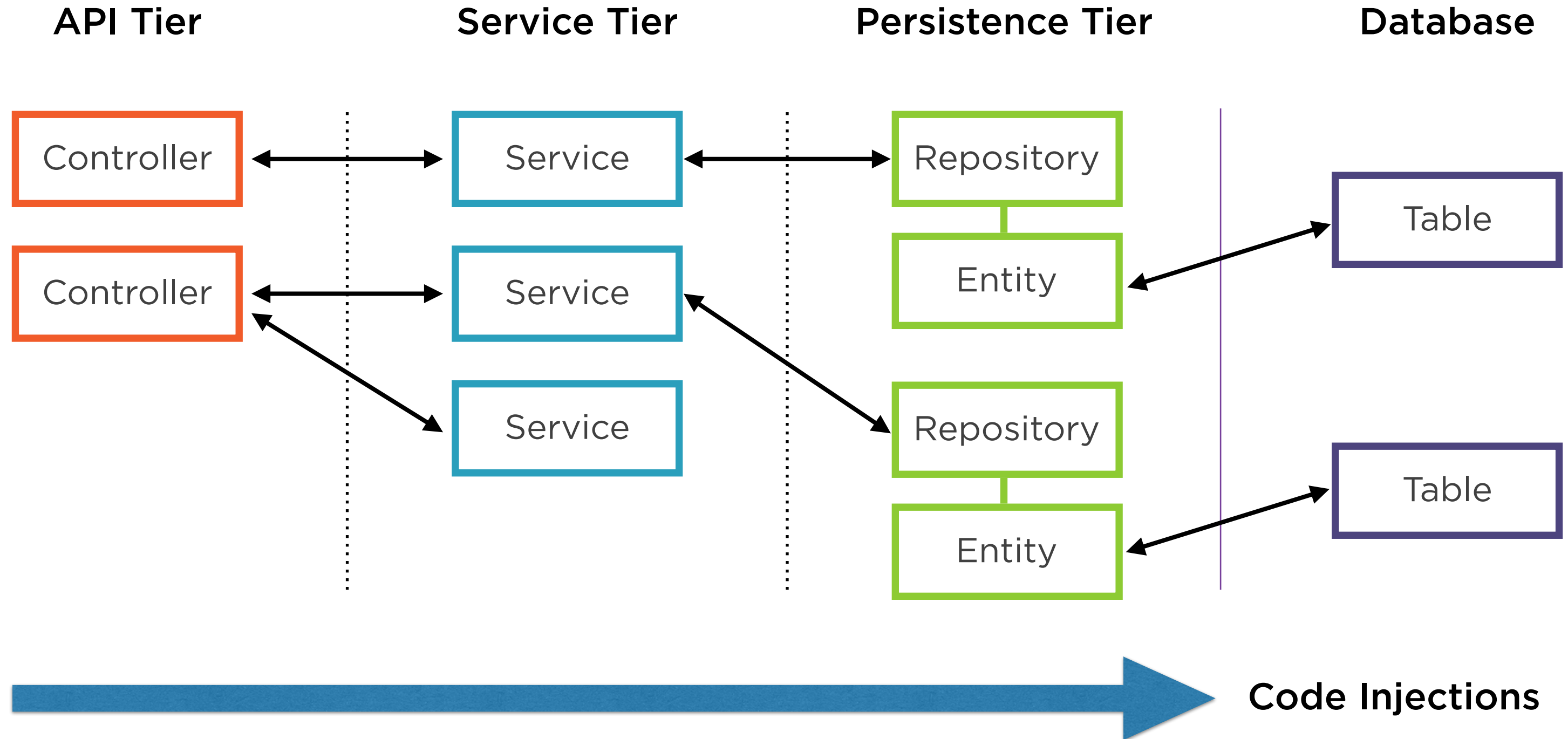


```
@Repository
public class SessionRepository {

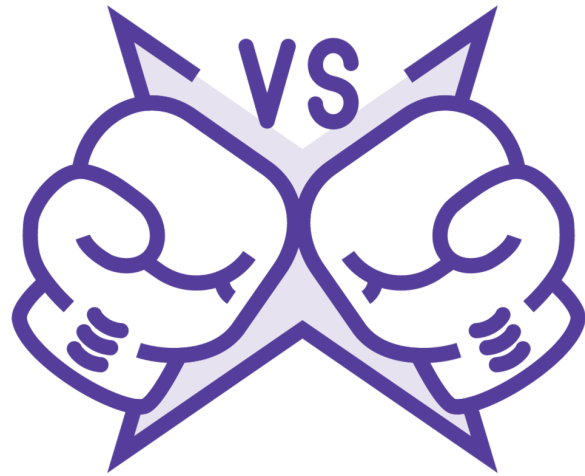
    public Session create(Session session) {...}
    public Session find(Long id) {...}

}
```

Repository Architectural Overview

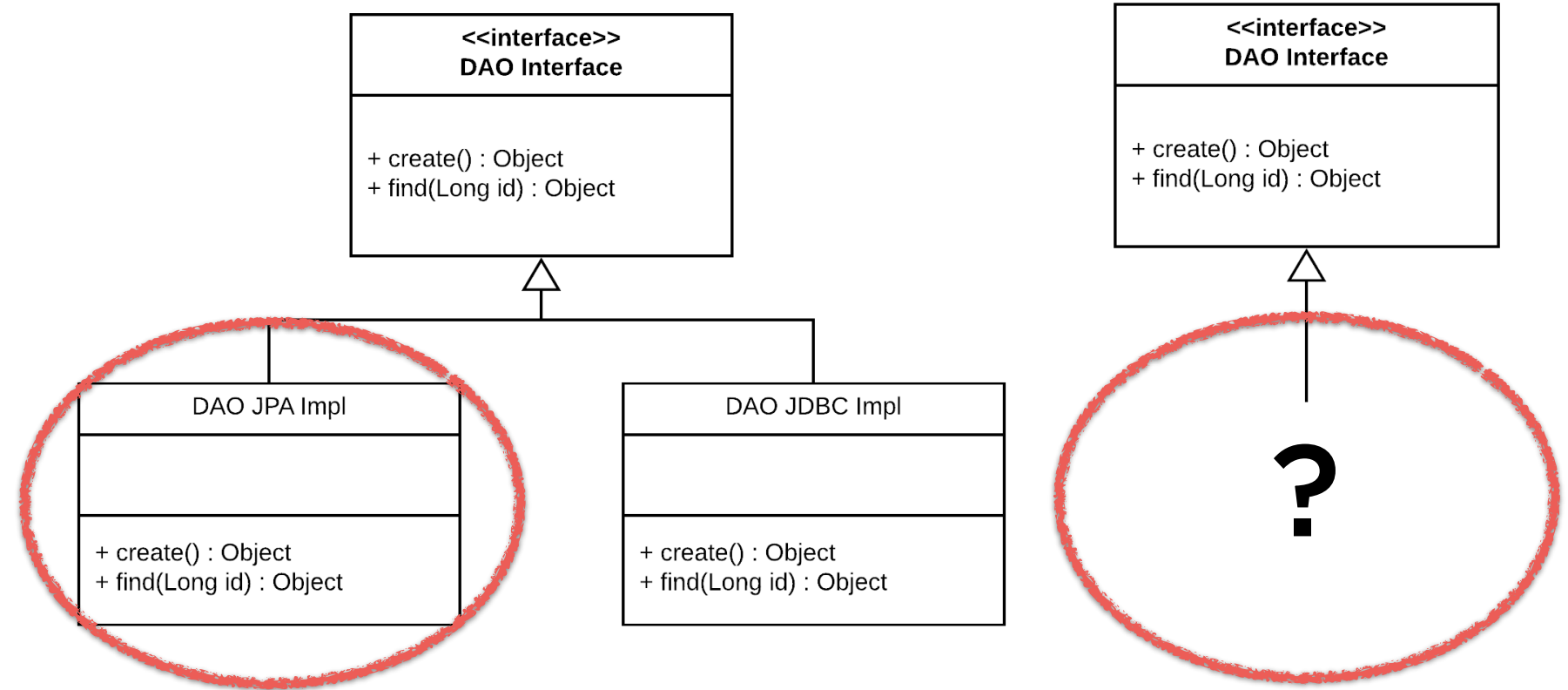


Spring Data JPA Repositories



JPA Repository Differences

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

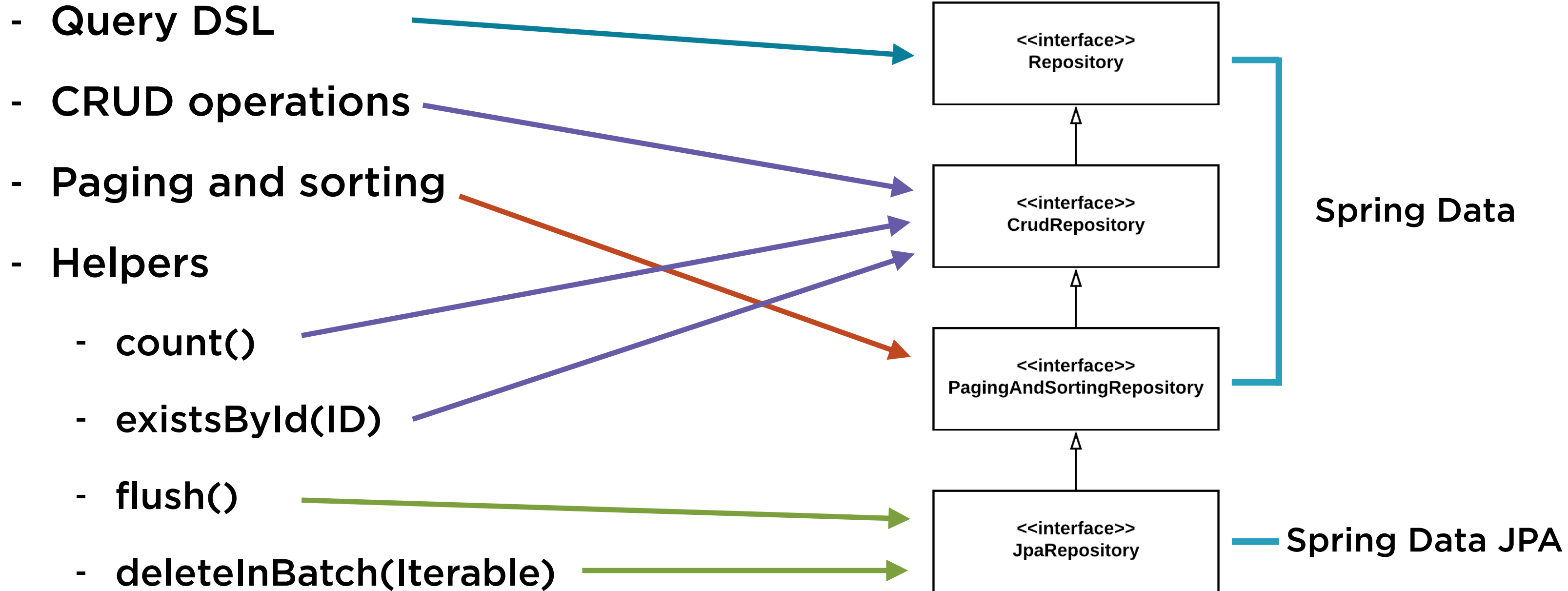


```
public interface SpeakerJpaRepository extends JpaRepository<Speaker, Long> {  
}
```

Clip 5 - Overview Placeholder

Demo: JpaRepository In Depth

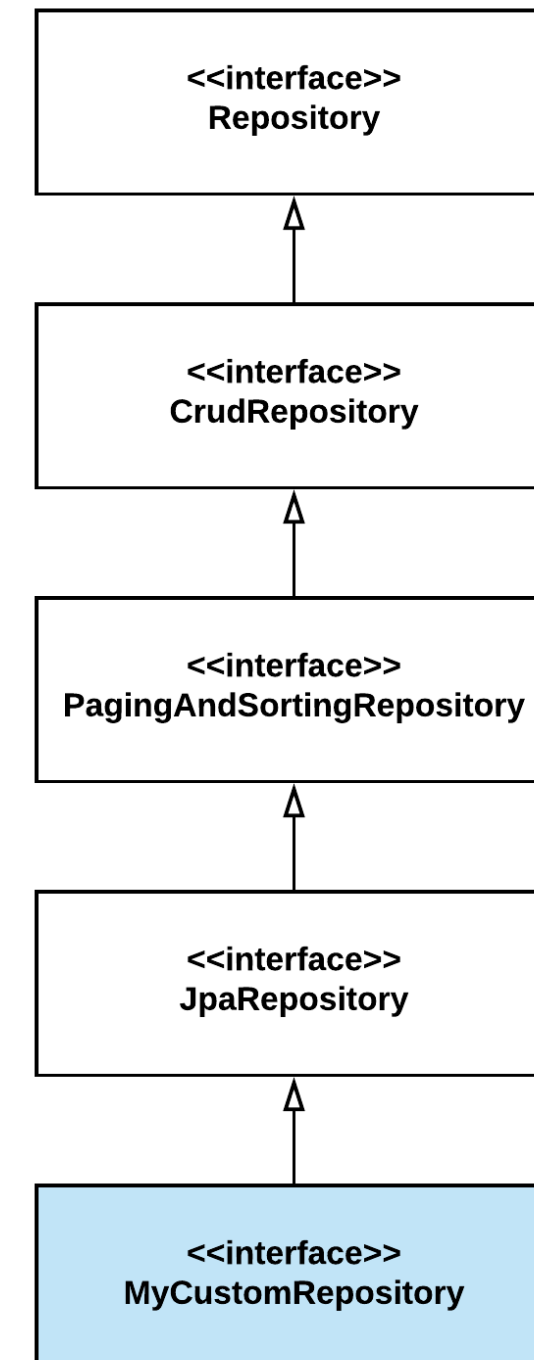
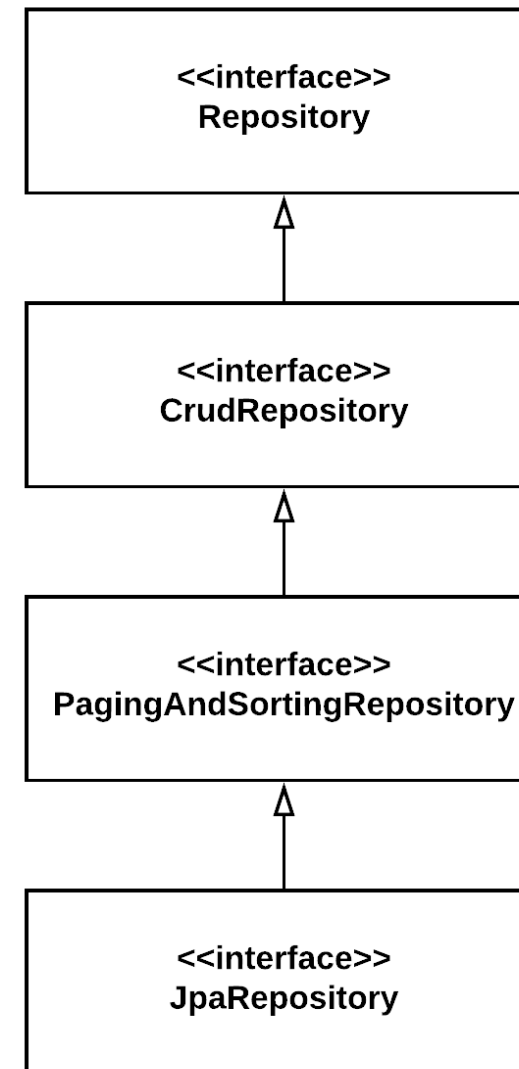
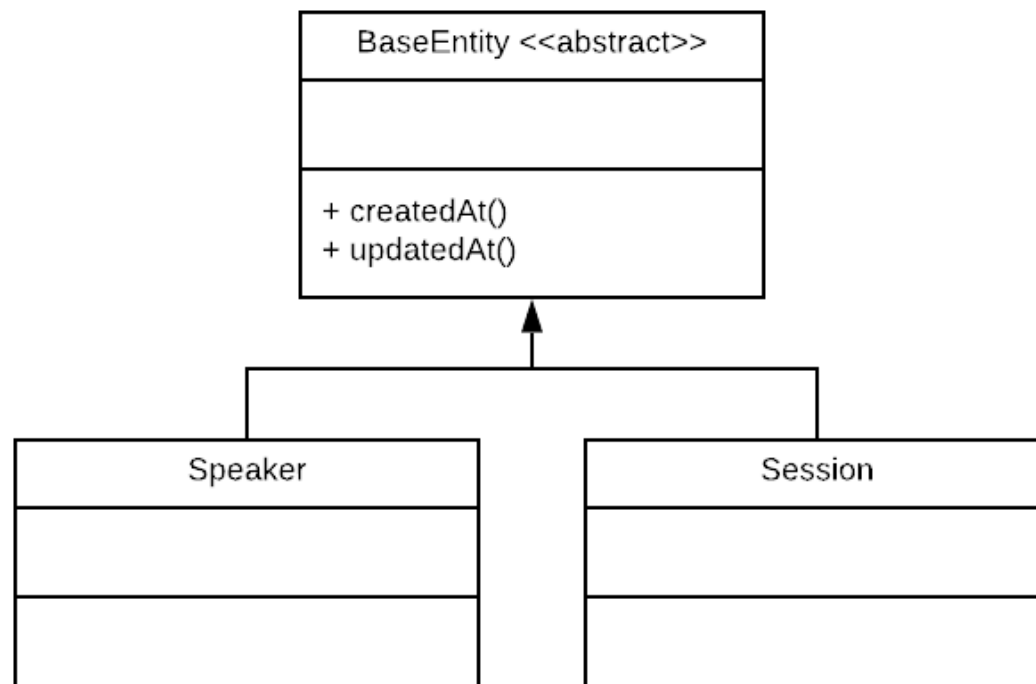
Understanding the JpaRepository Hierarchy



Tip: Customizing the JpaRepository Hierarchy



Best Practice #1



Tip: Refactoring Existing Repositories



Best Practice #2



Test Suite



MyRepository -> MyJpaRepository



Proxy Strategy



Change Client Code

Clip 9 - Overview Placeholder

Demo: JpaRepositories As Proxies

Clip 10 - Overview Placeholder

Demo: Best Practices

Summary

Architectural concepts

JpaRepository features

Tips and tricks

DAO code contract is important