



Hibernate & Spring Data JPA

Beginner to Guru

Java DAO Pattern



Java DAO Pattern

- DAO - Data Access Object
- Pattern was a precursor to JPA, before ORMs become popular
- Older and uses JDBC for data access
- Common to see in legacy J2EE applications
- While not common in use anymore, it is a good way to utilize JDBC
- Very similar to the Repository Pattern used by Spring Data





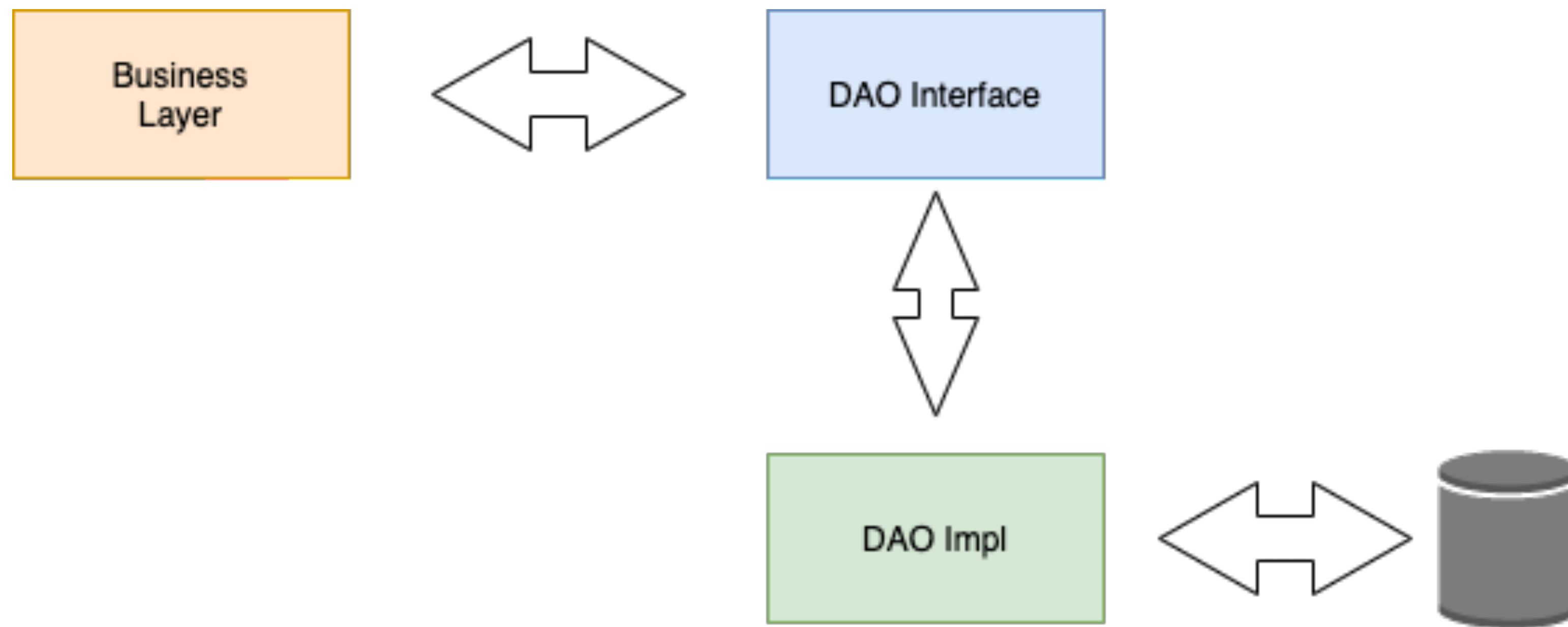
Java DAO Pattern

- DAO Pattern - Purpose is to isolate persistence operations from the application layer
- For example, when the application needs to persist an object, it should not need to understand the underlying persistence technology
- Domain Class - Simple POJOs, same as JPA entities
 - NOTE: DAO Pattern will not utilize JPA annotations
- DAO API - Provide interface for CRUD operations (similar to Repository)
- DAO Implementation - Implement persistence functionality





Java DAO Pattern





Spring Boot JDBC

- Database Connection - Typically with JDBC you need to create and manage the database connection
- Spring Boot will auto configure the database connection for us
- Database connection components are available as Spring Beans in the Spring Context





Coming Up in the Course

- JDBC DAO - Create DAO layer using JDBC only - covered in this section
- JDBC Template - Spring Framework provides a helper abstraction over JDBC
- JDBC Template DAO - to be covered in following section of course



