# Difference between JPA, Hibernate and Spring Data JPA

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| Feature | JPA | Hibernate | Spring Data JPA |
| Type | Specification (JSR 338) | Implementation of JPA (ORM) | Abstraction layer over JPA |
| Provides Implementation? | No | Yes | No (Relies on JPA provider like Hibernate) |
| Boilerplate Code | High | Moderate | Very Low |
| Transaction Management | Manual | Manual | Managed by Spring |
| Ease of Use | Low | Moderate | High |
| Repositories Support | No | No | Yes (via JpaRepository) |
| Entity Management | Defines API only | Manages entities via Session | Manages entities via Repository |
| Use in Spring Boot | Rarely used directly | Yes | Highly integrated |
| Query Language | JPQL | HQL (Hibernate Query Language) | JPQL, Derived Queries, @Query |