Spring Data JPA (Java Persistence / store API) 🡪 Hibernate 🡪 ORM 🡪 Database

Spring Data JPA, part of the larger Spring Data family, makes it easy to easily implement JPA based repositories. This module deals with enhanced support for JPA based data access layers. It makes it easier to build Spring-powered applications that use data access technologies.

ORM 🡪 Object Relational Mapping

Object-relational-mapping is the idea of being able to write queries like the one above, as well as much more complicated ones, using the object-oriented paradigm of your preferred programming language.

Long story short, we are trying to interact with our database using our language of choice instead of SQL.

Hibernate <name>.hbm.xml

POJO Table

Property Column

Data source getConnection() <hibernate>.cfg.xml

Spring Data JPA

Repository<EntityJavaFile, Datatype\_of\_pk> <<Interfaces>>

CRUDRepository extends Repository <<Interfaces>>

PagingAndSortingRepository extends CrudRepository <<Interfaces>>

SpringDataJPA extends PagingAndSortingRepository <<Interfaces>>

Spring boot + Spring Data JPA

1. Create an entity object

Javax.persistence.Entity

@Entity

@ Id