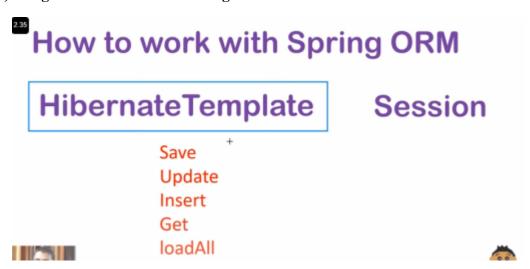
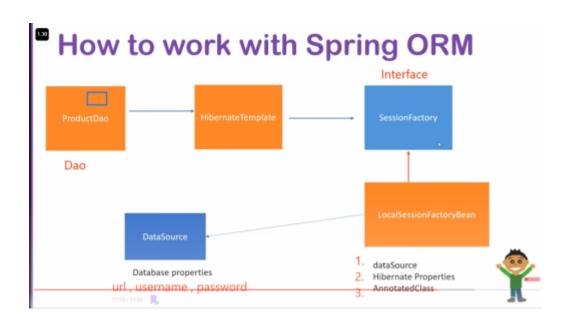
Spring ORM or Spring with ORM

Advantages of Using Spring ORM: 1)Less Coding 2) Easy to Test 3) Better Exception Handling

- 4) Integerated Transaction Manag.





DAO - it contains / or it is the class or interface that interacts with the dataBase. Hibernate Template - Main class that we use to execute these operations which automatically manges sessions and transactions. Connects ProductDAO -SessionFactory

SessionFactory - HT class need an object of SessionFactory to work, and SF class is used for transactions but since it is an interface we cannot create its object so we use its implemented class LocalSessionFactoryBean LSFB - It needs three things to work prop.. 1) DataSource (url , name , pass), 2) Hibernate Properties (dialect, sql), 3) Annoted Class

Flow of Operations:

- 1. ProductDao: Calls HibernateTemplate methods to perform database operations, such as saving or fetching data.
- 2. HibernateTemplate: Uses SessionFactory to create a Session, which is needed to interact with the database.
- 3. SessionFactory: Managed by LocalSessionFactoryBean, which handles the configuration of the SessionFactory using DataSource and Hibernate properties.
- 4. LocalSessionFactoryBean: Configures the SessionFactory with the necessary database and Hibernate settings using DataSource.
- DataSource: Provides the connection to the database with details such as URL, username, and password.

Adding Dependencies

Add Dependencies to your maven project pom.xml - > spring Core , Spring Context , SPringORM , MySQL Connector, Hibernate.

Configuring XML

Remember to use the same version of all, hibernate, spring, spring core, spring context in the pom.xml file.

How to create / add hibernateProperties and annoted classes in LocalSessionFactoryBean

Now after doing all this like creating class Student, Creating StudentDAO (with CRUD Methods called using HibernateTemplate Object) and now using driverClass or Application u are calling methods, after creating all beans, u will get this error "Write Operations are not allowed on read only method"

org. spring framework. orm. hibernate 5. Transaction Manager

@Transactional

xmlns:tx="http://www.springframework.org/schema/tx"

http://www.springframework.org/schema/tx

<tx:annotation-driven/>