



Java Web



Hibernate

Съдържание

- ORM
- Hibernate
- JPA
- Demo

ORM

ORM

- ORM (Object/Relational Mapping) - метод за изграждане и моделиране на бази данни

Hibernate

Hibernate

- Hibernate – Java ORM Framework

Hibernate Setup

```
private static SessionFactory sessionFactory;

public static SessionFactory getSessionFactory() {
    if (sessionFactory == null) {
        try {
            Configuration configuration = new Configuration();

            // Hibernate settings equivalent to hibernate.cfg.xml's properties
            Properties settings = new Properties();
            settings.put(Environment.DRIVER, "com.mysql.jdbc.Driver");
            settings.put(Environment.URL, "jdbc:mysql://localhost:3306/demo?createDatabaseIfNotExist=true");
            settings.put(Environment.USER, "root");
            settings.put(Environment.PASS, "");
            settings.put(Environment.DIALECT, "org.hibernate.dialect.MySQL5Dialect");
            settings.put(Environment.SHOW_SQL, "true");
            settings.put(Environment.CURRENT_SESSION_CONTEXT_CLASS, "thread");
            settings.put(Environment.HBM2DDL_AUTO, "create-drop");

            configuration.setProperties(settings);
            configuration.addAnnotatedClass(User.class);

            ServiceRegistry serviceRegistry = new StandardServiceRegistryBuilder()
                .applySettings(configuration.getProperties()).build();
            System.out.println("Hibernate Java Config serviceRegistry created");
            sessionFactory = configuration.buildSessionFactory(serviceRegistry);
            return sessionFactory;

        } catch (Exception e) {
            e.printStackTrace();
        }
    }
    return sessionFactory;
}
```


JPA

JPA

- JPA(Java Persistence API) - Java standard for mapping Java objects to a relational database

Annotations

@Entity – декларира Java класа като таблица в DB

@Table(name = "users") – декларира името на таблицата

@Column(name = "email")

@Id

@GeneratedValue

@Transient