Mateusz Łopaciński

Main.java

```java
package com.matipl01;
import org.hibernate.HibernateException;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.cfg.Configuration;

public class Main {
    private static final SessionFactory ourSessionFactory;

    static {
        try {
            Configuration configuration = new Configuration();
            configuration.configure();

            ourSessionFactory = configuration.buildSessionFactory();
        } catch (Throwable ex) {
            throw new ExceptionInInitializerError(ex);
        }
    }

    public static Session getSession() throws HibernateException {
        return ourSessionFactory.openSession();
    }

    public static void main(final String[] args) throws Exception {
        final Session session = getSession();
        Product product = new Product("Krzesło", 111);
        try {
            Transaction tx = session.beginTransaction();
            session.save(product);
            tx.commit();
        } finally {
            session.close();
        }
    }
}
```

Product.java

```java
package com.matipl01;

import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;

@Entity
public class Product {
    @Id
    @GeneratedValue(strategy = GenerationType.AUTO)
    public int productID;
```

```java
    public String productName;
    public int unitsInStock;

    public Product() {}

    public Product(String productName, int unitsInStock) {
        this.productName = productName;
        this.unitsInStock = unitsInStock;
    }
}
```
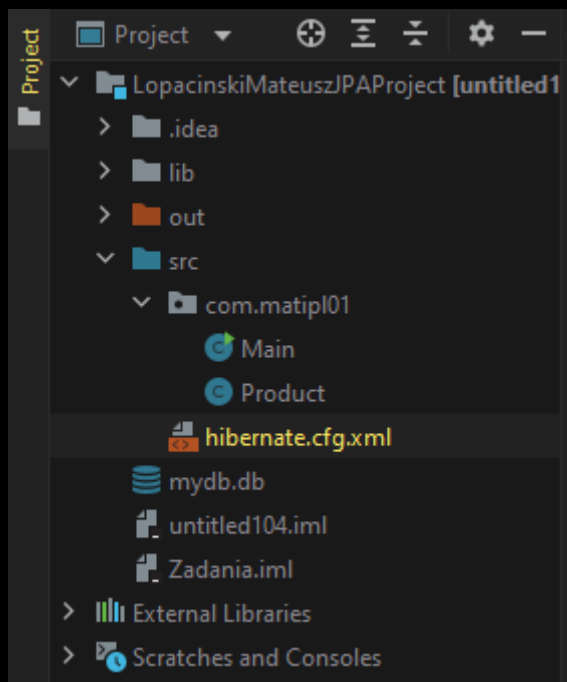
hibernate.cfg.xml

```xml
<?xml version='1.0' encoding='utf-8'?>
<!DOCTYPE hibernate-configuration PUBLIC
    "-//Hibernate/Hibernate Configuration DTD//EN"
    "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
<hibernate-configuration>
  <session-factory>
    <property name="show_sql">true</property>
    <property name="format_sql">true</property>
    <property name="dialect">org.hibernate.dialect.SQLiteDialect</property>
    <property name="connection.driver_class">org.sqlite.JDBC</property>
    <property name="connection.url">jdbc:sqlite:mydb.db</property>
    <property name="connection.username"/>
    <property name="connection.password"/>
    <property name="hibernate.hbm2ddl.auto">update</property>
    <mapping class="com.matipl01.Product"/>
  </session-factory>
</hibernate-configuration>
```
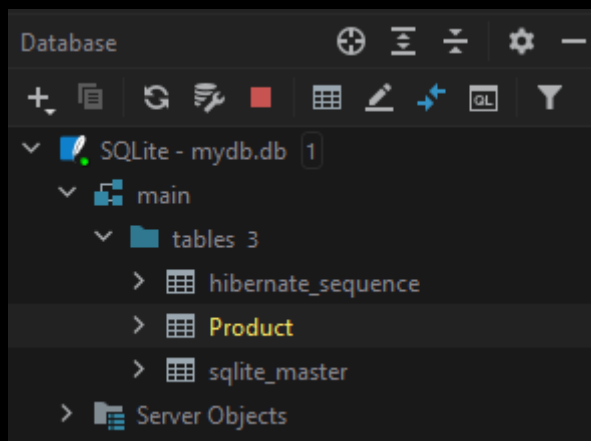
Struktura projektu

Połączenie z bazą SQLite

Database ⊕ ⊼ ⊸ ✿ —

+ ▤ ⟳ ⧉ ■ ▦ ✎ ⤢ ⌑ ▼

∨ ◤ SQLite - mydb.db [1]
  ∨ ⬚ main
    ∨ ▤ tables 3
      › ▦ hibernate_sequence
      › ▦ **Product**
      › ▦ sqlite_master
  › ▤ Server Objects

Tabela *Product* po dodaniu produktu

	productID	productName	unitsInStock
1	1	Krzesło	111