

RichFaces + EJB + JPA

```
public String click(){
    try {
        Properties props = new Properties();
        props.put("java.naming.factory.initial",
            "org.jnp.interfaces.NamingContextFactory");
        props.put("java.naming.factory.url.pkgs",
            "org.jboss.naming.org.jnp.interfaces");
        props.put("java.naming.provider.url",
            "127.0.0.1:1099");
        Context ctx = new InitialContext(props);
        IMonEjb proxy = (IMonEjb)ctx.lookup(
            "MonEjbImpl(remote)");
        System.out.println(proxy.add(
            new Personne(0, "toto", "toto")));
    } catch (Exception e) {
        e.printStackTrace();
    }
    return "";
}
```

fr.afcepf.test.MonManagedBean

page.jsp

```
<%@ page language="java" ...%>
<%@ taglib prefix="f"
uri="http://java.sun.com/jsf/core"%>
<%@ taglib prefix="h"
uri="http://java.sun.com/jsf/html"%>
...
<body>
<f:view>
    <h:form>
        <h:commandButton value="Click"
            action="#{monMb.click}" />
    </h:form>
</f:view>
</body>
</html>
```

```
<managed-bean>
<managed-bean-name>monMb</managed-bean-name>
<managed-bean-class>fr.afcepf.test.MonManagedBean</managed-bean-class>
<managed-bean-scope>request</managed-bean-scope>
</managed-bean>
```

faces-config.xml

```
package fr.afcepf.test;
import javax.ejb.Remote;
@Remote
public interface IMonEjb {
    int add(Personne pers);
}
```

Interface EJB

```
package fr.afcepf.test;
import javax.ejb.Stateless;
import javax.persistence.EntityManager;
import javax.persistence.PersistenceContext;
```

Implémentation EJB

```
@Stateless
public class MonEjbImpl implements IMonEjb {
    @PersistenceContext(unitName="TestEjb")
    EntityManager em;
    @Override
    public int add(Personne pers) {
        em.persist(pers);
        return pers.getId();
    }
}
```

```
<persistence-unit name="TestEjb">
    <jta-data-source>
        java:testprojetDS
    </jta-data-source>
    <class>
        fr.afcepf.test.Personne
    </class>
</persistence-unit>
```

persistence.xml

```
package fr.afcepf.test;
import java.io.Serializable;
import javax.persistence.*;
@Entity
public class Personne
    implements Serializable {
    @Id
    @GeneratedValue(
        Strategy=
            GenerationType.IDENTITY)
    private int id;
    private String nom;
    private String prenom;
    public Personne() {
    }
    public Personne(int id,
        String nom,
        String prenom) {
        this.id = id;
        this.nom = nom;
        this.prenom = prenom;
    }
    ...
    // getters/setters
}
```

Entity JPA

```
<?xml version="1.0" encoding="UTF-8"?>
<datasources>
    <local-tx-datasource>
        <jndi-name>testprojetDS</jndi-name>
        <connection-url>
            jdbc:mysql://127.0.0.1:3306/test
        </connection-url>
        <driver-class>
            com.mysql.jdbc.Driver
        </driver-class>
        <user-name>root</user-name>
        <password>afcepf</password>
        <min-pool-size>5</min-pool-size>
        <max-pool-size>20</max-pool-size>
        <idle-timeout-minutes>0</idle-timeout-minutes>
    </local-tx-datasource>
</datasources>
```

test-ds.xml

```
CREATE TABLE `test`.`personne` (
  `id` INT NOT NULL AUTO_INCREMENT PRIMARY KEY ,
  `nom` VARCHAR( 50 ) NOT NULL ,
  `prenom` VARCHAR( 50 ) NOT NULL
) ENGINE = InnoDB;
```

