JEE8 WebApi

# Minimal

### Pom.xml

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>net.robotmodel67.playground</groupId>

<artifactId>JollyJerbo</artifactId>

<version>1.0</version>

<packaging>war</packaging>

<name>JollyJerbo</name>

<description>JEE8 Playground</description>

<properties>

<failOnMissingWebXml>false</failOnMissingWebXml>

</properties>

<dependencies>

<!-- https://mvnrepository.com/artifact/javax/javaee-api -->

<dependency>

<groupId>javax</groupId>

<artifactId>javaee-api</artifactId>

<version>8.0.1</version>

<scope>provided</scope>

</dependency>

</dependencies>

<build>

<finalName>jollyJerbo</finalName>

</build>

</project>

### Configuration.java

**package** jollyJerbo.api;

**import** javax.ws.rs.ApplicationPath;

**import** javax.ws.rs.core.Application;

@ApplicationPath("api")

**public** **class** Configuration **extends** Application {

}

### FacultadesResource.java

**package** jollyJerbo.api.resources;

**import** javax.ws.rs.GET;

**import** javax.ws.rs.Path;

**import** javax.ws.rs.Produces;

**import** javax.ws.rs.core.MediaType;

**import** javax.ws.rs.core.Response;

@Path("facultades")

**public** **class** Facultades {

@GET

@Produces(MediaType.***APPLICATION\_JSON***)

**public** Response test() {

**return** Response.*ok*("Running from FA!").build();

}

}

# With JPA

<!-- https://mvnrepository.com/artifact/org.eclipse.persistence/org.eclipse.persistence.jpa -->

<dependency>

<groupId>org.eclipse.persistence</groupId>

<artifactId>org.eclipse.persistence.jpa</artifactId>

<version>2.7.4</version>

</dependency>

<!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>5.1.47</version>

</dependency>

### /JollyJerbo/src/main/resources/META-INF/persistence.xml

<?xml version=*"1.0"* encoding=*"UTF-8"* standalone=*"yes"*?>

<persistence xmlns=*"http://xmlns.jcp.org/xml/ns/persistence"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* version=*"2.1"*

xsi:schemaLocation=*"http://xmlns.jcp.org/xml/ns/persistence http://xmlns.jcp.org/xml/ns/persistence/persistence\_2\_1.xsd"*>

<persistence-unit name=*"alice"*>

<description>Persistence Unit for Books</description>

<provider>org.eclipse.persistence.jpa.PersistenceProvider</provider>

<exclude-unlisted-classes>false</exclude-unlisted-classes>

<properties>

<property name=*"eclipselink.logging.level"* value=*"FINE"*/>

<property name=*"eclipselink.logging.parameters"* value=*"true"*/>

<property name=*"javax.persistence.jdbc.driver"* value=*"com.mysql.jdbc.Driver"* />

<property name=*"javax.persistence.jdbc.url"* value=*"jdbc:mysql://localhost:3306/alicia"* />

<property name=*"javax.persistence.jdbc.user"* value=*"root"* />

<property name=*"javax.persistence.jdbc.password"* value=*""* />

</properties>

</persistence-unit>

</persistence>

### FacultasdesResources.java

@Path("facultades")

**public** **class** Facultades {

//@Inject

**private** EntityManager database;

**public** Facultades() {

EntityManagerFactory emf = Persistence.*createEntityManagerFactory*("alice");

database = emf.createEntityManager();

}

@GET

@Produces(MediaType.***APPLICATION\_JSON***)

**public** Response test() {

//return Response.ok("IA Love You, not leave me now!").build();

List<Facultad> facultades = database.createQuery("SELECT f FROM Facultad f", Facultad.**class**).getResultList();

**return** Response.*ok*(facultades).build();

}

}

Entity Facultad.java

@Entity

@Table(name= "facultad")

**public** **class** Facultad {

@Id

@GeneratedValue(strategy = GenerationType.***IDENTITY***)

@Column(name = "facultad\_id")

Long id;

@Column(name = "facultad")

String nombre;

@Column(name = "nombre\_decano")

String nombreDecano;

@Column(name = "documento\_decano")

String documentoDecano;

@Column(name = "firma")

String firma;

**public** Facultad() {

}

**public** Facultad(String nombre) {

**this**.nombre = nombre;

}

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