

## **Apéndice B**

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## Apéndice B – Mapeo de clases

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### Programa.hbm.xml

```
<?xml version="1.0"?>
<!DOCTYPE hibernate-mapping PUBLIC
    "-//Hibernate/Hibernate Mapping DTD 3.0//EN"
    "http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd">
<hibernate-mapping package="udlap.bean">
  <class name="Programa" table="PROGRAMA">
    <id name="id">
      <column name="PROGRAMA_ID"/>
      <generator class="native"/>
    </id>
    <property name="nombre">
      <column name="NOMBRE" length="50" not-null="true"/>
    </property>
    <property name="descripcion">
      <column name="DESCRIPCION" length="350" not-null="true"/>
    </property>
    <property name="fecha">
      <column name="FECHA" not-null="true"/>
    </property>
    <many-to-one name="clasificacion" class="Clasificacion" not-null="true" lazy="false"/>
    <property name="ruta">
      <column name="RUTA" length="200" not-null="true"/>
    </property>
    <property name="autor">
```

```

    <column name="AUTOR" length="50" not-null="true"/>
  </property>
  <many-to-one name="usr" class="Usuario" not-null="true" lazy="false"/>
</class>
</hibernate-mapping>

```

### Clasificación.xbm.xml

```

<?xml version="1.0"?>
<!DOCTYPE hibernate-mapping PUBLIC
    "-//Hibernate/Hibernate Mapping DTD 3.0//EN"
    "http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd">
<hibernate-mapping package="udlap.bean">
  <class name="Clasificacion" table="CLASIFICACION">
    <id name="id" column="CLASIFICACION_ID" type="int">
      <generator class="native"/>
    </id>
    <property name="nombre" column="NOMBRE" length="25" not-null="true"/>
    <property name="palabrasClave" column="PALABRAS" length="180" not-null="false"/>
    <bag name="programas" cascade="all-delete-orphan">
      <key column="clasificacion"/>
      <one-to-many class="Programa"/>
    </bag>
    <many-to-one name="padre" class="Clasificacion" column="PADRE_ID"
    cascade="none"/>
    <set name="hijas" inverse="true" cascade="all-delete-orphan" table="CLASIFICACION">
      <key column="PADRE_ID"/>
      <one-to-many class="Clasificacion"/>
    </set>
  </class>
</hibernate-mapping>

```

## Usuario.hbm.xml

```
<?xml version="1.0"?>
<!DOCTYPE hibernate-mapping PUBLIC
    "-//Hibernate/Hibernate Mapping DTD 3.0//EN"
    "http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd">
<hibernate-mapping package="udlap.bean">
  <class name="Usuario" table="USUARIO">
    <id name="id">
      <column name="USUARIO_ID"/>
      <generator class="native"/>
    </id>
    <property name="username">
      <column name="USRNAME" length="25" unique="true" not-null="true"/>
    </property>
    <property name="nombre">
      <column name="NOMBRE" length="50" not-null="true"/>
    </property>
    <property name="apellido">
      <column name="APELLIDO" length="60" not-null="true"/>
    </property>
    <property name="contrasena">
      <column name="PASSWORD" length="30" not-null="true"/>
    </property>
    <property name="tipoUsr">
      <column name="TIPOUSR" length="1" not-null="true"/>
    </property>
    <property name="fecha">
      <column name="FECHA" not-null="true"/>
    </property>
    <bag name="programas" inverse="true" cascade="all-delete-orphan">
```

```
<key column="usr"/>  
  <one-to-many class="Programa"/>  
</bag>  
</class>  
</hibernate-mapping>
```