

# Projeto JPA

# Model

```
@Entity
@Table(name="produto")
public class Product
{

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Integer id;

    @Column(name="nome")
    private String name;
    @Column(name="descricao")
    private String description;
    @Column(name="preco")
    private BigDecimal price;
    @ManyToOne
    private Category category;
```

# Entidade no banco

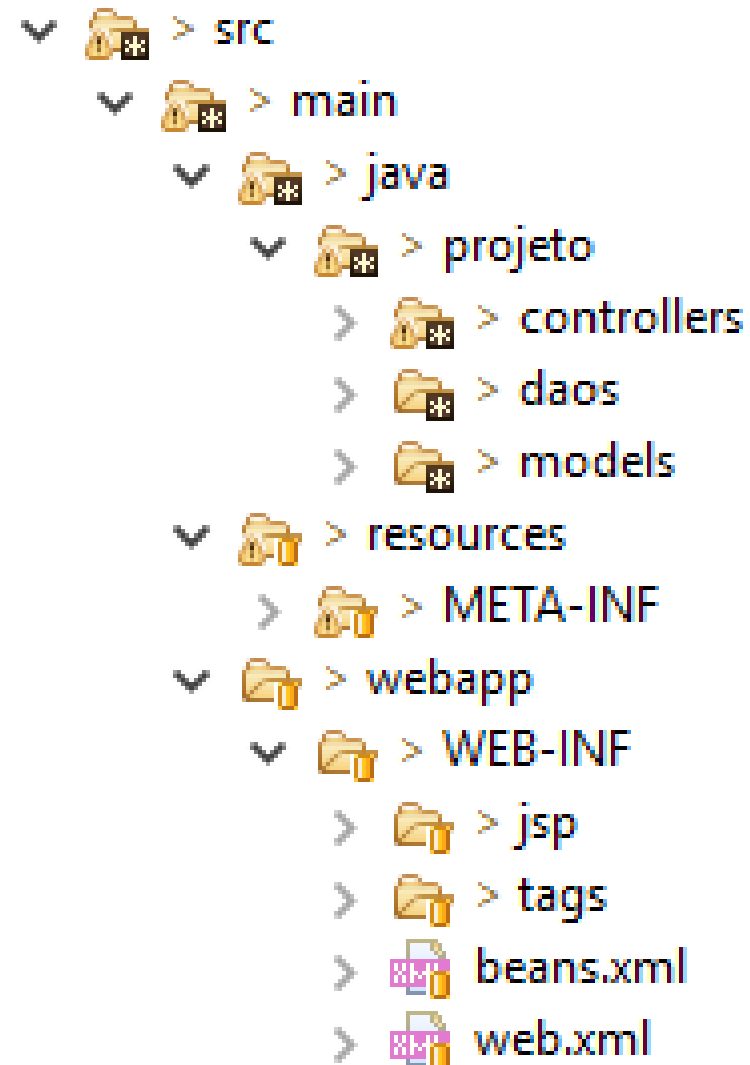
	Field	Type	Null	Key	Default	Extra
▶	id	int(11)	NO	PRI	NULL	auto_increment
	descricao	varchar(255)	YES		NULL	
	nome	varchar(255)	YES		NULL	
	preco	decimal(19,2)	YES		NULL	
	category_id	int(11)	YES	MUL	NULL	

# Arquivo de Persistência

```
<properties>
  <property name="javax.persistence.jdbc.user" value="root"/>
  <property name="javax.persistence.jdbc.password" value="123456"/>
  <property name="hibernate.show_sql" value="true"/>
  <property name="hibernate.format_sql" value="true"/>
  <property name="hibernate.hbm2ddl.auto" value="update"/>
  <property name="javax.persistence.jdbc.url" value="jdbc:mysql://localhost:3306/projeto"/>
  <property name="javax.persistence.jdbc.driver" value="com.mysql.jdbc.Driver"/>
</properties>
```

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# Estrutura MVC



# Conttroller

```
public class CategoryDao
{
    @Inject
    private EntityManager manager;

    public List<Category> all()
    {
        return manager.createQuery("select c from Category c", Category.class).getResultList();
    }

    public void save(Category category)
    {
        manager.persist(category);
    }

    public Category findById(Integer id)
    {
        return manager.find(Category.class, id);
    }
}
```

# Acessando dados pela View

```
<c:forEach items='${paginatedList.currentList}' var='object'>
  <tr>
    <td><a>${object.id}</a></td>
    <td>${object.name}</td>
    <td>${object.description}</td>
    <td><a href="<c:url value='/category/remove'/>/${object.id}">Remover</a>
    <a href="<c:url value='/category'/>/${object.id}">Editar</a></td>
  </tr>
</c:forEach>
```

# View

```
<lib uri="http://java.sun.com/jsp/jstl/core" prefix="c">
  <div class="form-group">
    <label for="name">Nome</label>
    <div class="input-group">
      <span class="input-group-addon"><i class="glyphicon glyphicon-unchecked"></i>
    </span><input type='text' name='category.name' id='category.name' value='${category.name}' />
    </div>
  </div>
  <div class="form-group">
    <label for="description">Descricao</label>
    <div class="input-group">
      <span class="input-group-addon"><i class="glyphicon glyphicon-unchecked"></i>
    </span><input type='text' name='category.description' id='category.description' value='${category.description}' />
    </div>
  </div>
</div>
```