

# Relations

2 grands types de relations existent :

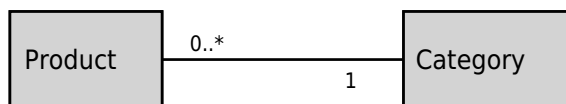
- manyToOne/oneToMany
- manyToMany

## manyToOne/oneToMany

Correspond aux associations hiérarchiques de type CIF.

**manyToOne** et **oneToMany** correspondent au même type d'association, mais vus de chaque côté de la relation.

### Création



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Exemple :

### manyToOne

Chaque produit appartient à une catégorie :

```
// ...
class Product{
    // ...

    /**
     * @ORM\ManyToOne(targetEntity="App\Entity\Category", inversedBy="products")
     * @ORM\JoinColumn(nullable=true)
     */
    private $category;

    public function getCategory(): Category
    {
        return $this->category;
    }

    public function setCategory(Category $category)
    {
        $this->category = $category;
    }
}
```

## oneToMany

Chaque catégorie peut contenir plusieurs projets :

```
// ...
use Doctrine\Common\Collections\ArrayCollection;
use Doctrine\Common\Collections\Collection;

class Category{
    // ...

    /**
     * @ORM\OneToMany(targetEntity="App\Entity\Product", mappedBy="category")
     */
    private $products;

    public function __construct(){
        $this->products = new ArrayCollection();
    }

    /**
     * @return Collection|Product[]
     */
    public function getProducts(){
        return $this->products;
    }
}
```

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<http://slamwiki2.kobject.net/framework-web/symfony/models/relations?rev=1518777497>

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