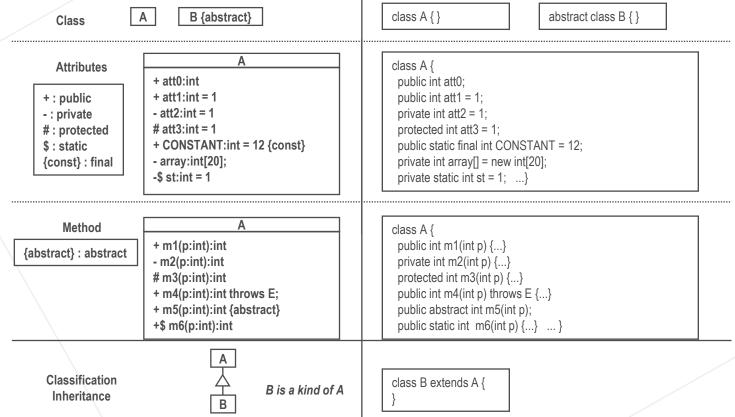
valtech_

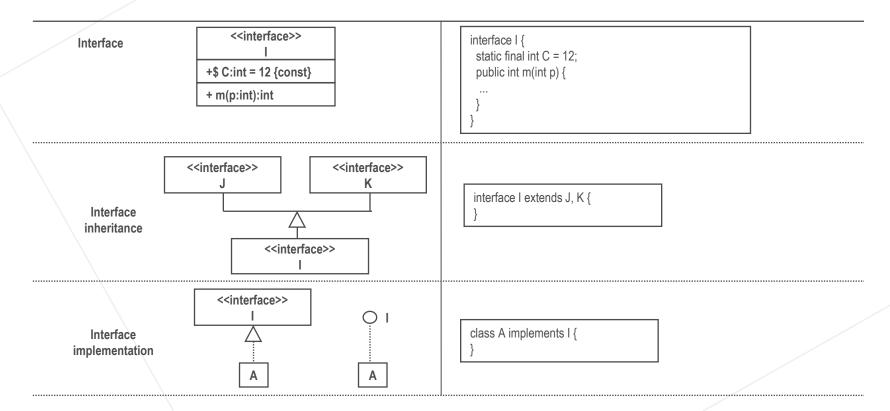
Récapitulatif UML / Java

Diagrammes de classe 1/3



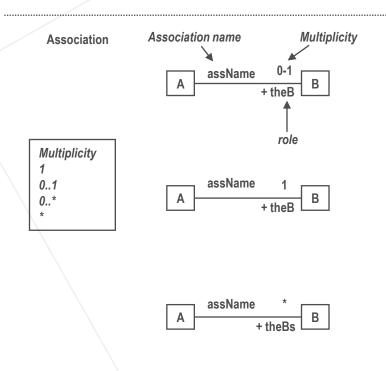
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Diagrammes de classe 2/3



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Diagramme de classe 3/3



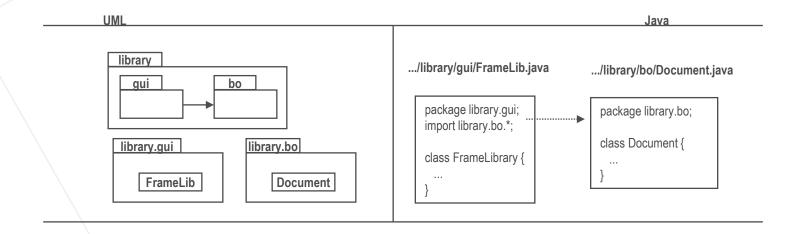
```
class A {
   private B _theB;
   public A() {...}
   public B getTheB() {...}
   public void setTheB(B theB) {...}
}
```

```
class A {
    private B _theB;
    public A(B theB) { _theB = theB; }
    public B getTheB() {...}
    public void setTheB(B theB) {...}
}
```

```
class A {
    private List _theBs = new ArrayList();
    public void addB(B b) { _theBs.add(b); }
    public void remB(B b) { _theBs.remove(b); }
    public Iterator theBs() { return _theBs.iterator(); }
}
```

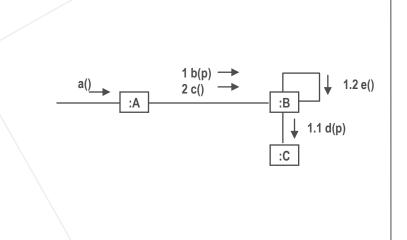
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Diagrammes de package



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Diagramme de communication 1/2



```
class A {
  public void a() {
    B aB = ....; // A has a reference on B
    aB.b();
    aB.c(); }
}

class B {
  public void b(int p) {
    C aC = .....; // B has a reference on C
    aC.d(p);
    e(); }
  public void e() {...}
  public void c() {...}
```

```
a() → 2 b(i) → :B

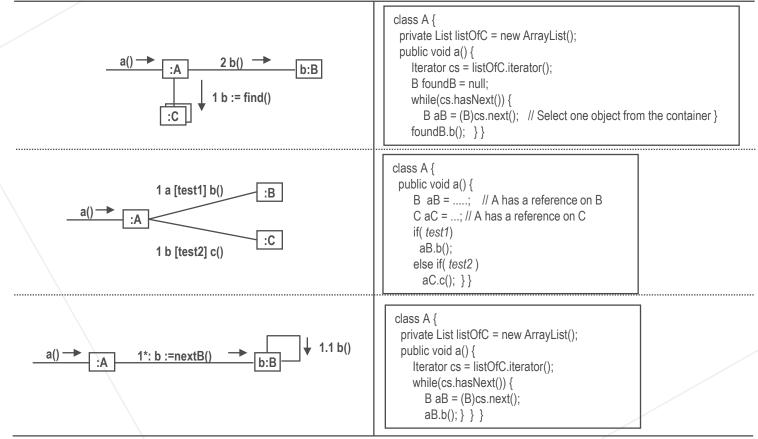
1 i := c():int

C
```

```
class A {
    public void a() {
        C aC = ...;
        B aB = ...;
        int i = aC.c();
        aB.b(i); }
```

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Diagramme de communication 2/2



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Récapitulatif : syntaxe Java

Class public final class A extends B implements I, J { public static void main(String argv[]) { ... }}

Types			
Name	size unsigned	signed	Wrapper
byte char short int long float double	1 2 2 4 8 4 8	u u s s s s s s	Byte Character Short Integer Long Float Double

Condition
if(i < 10) { }
int j = (i < 10) ? 12: 13;
switch(i) { case 1:
break; case 2: case 3:
break; default:
 break }

```
        Operators

        Arithmetic
        Logic
        Binary

        +
        !=
        ~

        -
        ==
        !

        /
        <</td>
        &

        *
        >
        ^

        %
        <=</td>
        >>

        ++
        >=
        <<</td>

        --
        ||
        &&

        instanceof
        |
        |
```

```
Interface

public final interface | extends J, K {
}
```

```
Loops

while(i < 0) {
...
}

do {
...
} while(i < 0);

for(int i = 0; i < 10; i++) {
}
```