TD 7
Implantation d'une modélisation UML en Java

Production de logiciel
Semestre 3

```java
public class Binome {
  private Map<String, Activite> activites;
  private String nomBinome;

  public Binome(EspaceDeTravail p_espaceDeTravail){
    this.setEspaceDeTravail(p_espaceDeTravail);
  }

  public void setEspaceDeTravail(EspaceDeTravail p_espaceDeTravail){
    this.repertoire = p_espaceDeTravail;
  }

  public String getNomBinome(){
    return nomBinome;
  }

  public addActivites(Activite p_activite) throws Exception{
    Activite aux;
    if(p_activite == null){
      throw new Exception("Le paramètre ne peut être null");
    }
    aux = this.activite.put(p_activite.getNumActivite() p_activite);
    if(this != p_activite.getBinome(this.nomBinome)){
      a.addActivites(this);
    }
  }

  public Activite getActivites(String nomActivite){
    return this.activites.get(nomActivite);
  }

  public String getNomBinome(){
    return this.nomBinome;
  }
}
```

```java
public class EspaceDeTravail{
  public EspaceDeTravail(){
  }
}
```

```java
public class Binome {
  private Map<String, Activite> activites;
```

```
3    private String nomBinome;
4
5    public Binome(EspaceDeTravail p_espaceDeTravail){
6      this.setEspaceDeTravail(p_espaceDeTravail);
7    }
8
9    public void setEspaceDeTravail(EspaceDeTravail p_espaceDeTravail){
10     this.repertoire = p_espaceDeTravail;
11   }
12
13   public String getNomBinome(){
14     return nomBinome;
15   }
16
17   public addActivites(Activite p_activite) throws Exception{
18     Activite aux;
19     if(p_activite == null){
20       throw new Exception("Le paramètre ne peut être null");
21     }
22     aux = this.activite.put(p_activite.getNumActivite() p_activite);
23     if(this != p_activite.getBinome(this.nomBinome)){
24       a.addActivites(this);
25     }
26   }
27
28   public Activite getActivites(String nomActivite){
29     return this.activites.get(nomActivite);
30   }
31
32   public String getNomBinome(){
33     return this.nomBinome;
34   }
35 }
```

```
1  public class Activite {
2    private Map<String, Binome> binome;
3    private String nomActivite;
4
5    public Activite(){
6      this.binome = new Hastable<String, Binome> ();
7      this.nomActivite = n;
8      this.addBinomes(p_binome);
9      // ...
10   }
11
12   public void addBinomes(Binome p_binome) throws Exception; {
13     Binome aux;
14
15     if(p_binome == NULL){
16       throw new Exception ("le paramètre ne peut être null");
17     }
18
19     aux = this.binomes.put(p_binome.getNomBinome(), p_binome);
20
21     if(this != p_binome.getActivite(this.nomActivite)){
22       p_binome.addActivite(this);
23     }
24
```

```
25
26    }
27
28    public Binome getBinome(String p_nomBinome){
29      return this.binomes.get(p_nomBinome)
30    }
31
32    public String getNomActivite(){
33      return this.nomActivite;
34    }
35  }
```

```
1  public class DocumentSimple extends Document {
2    public DocumentSimple(){
3    }
4  }
```

```
1  public class DocumentCompose {
2    private Collection <Position> composants;
3
4    public DocumentSimple getComposant (Position p_position){
5
6    }
7
8  }
```