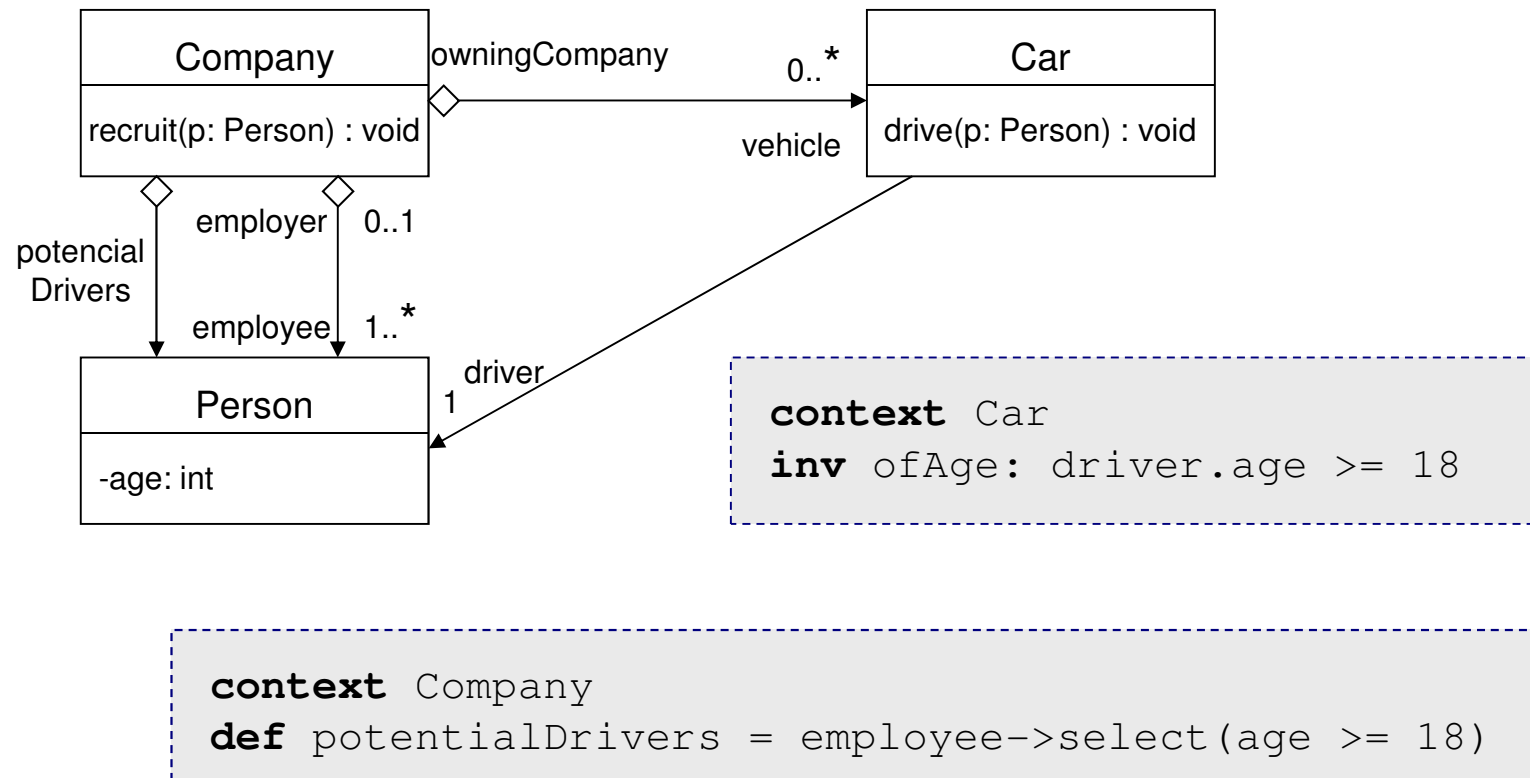




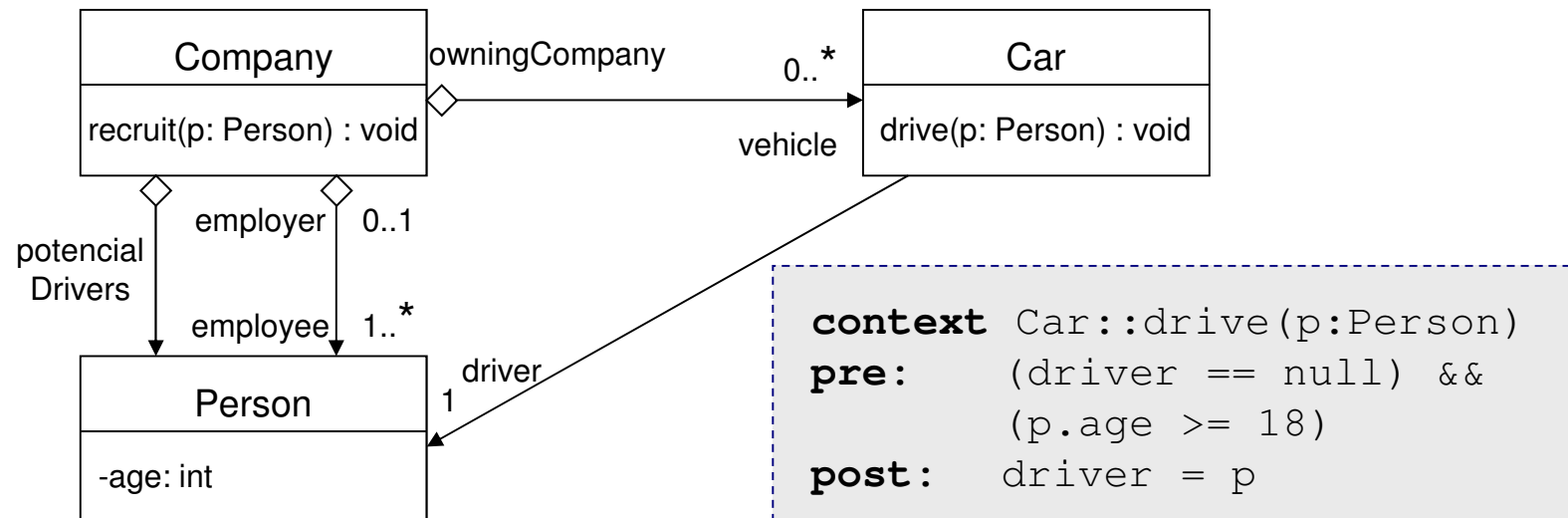
Metamodellek a szoftverfejlesztésben

Metamodellezés és
architektúra

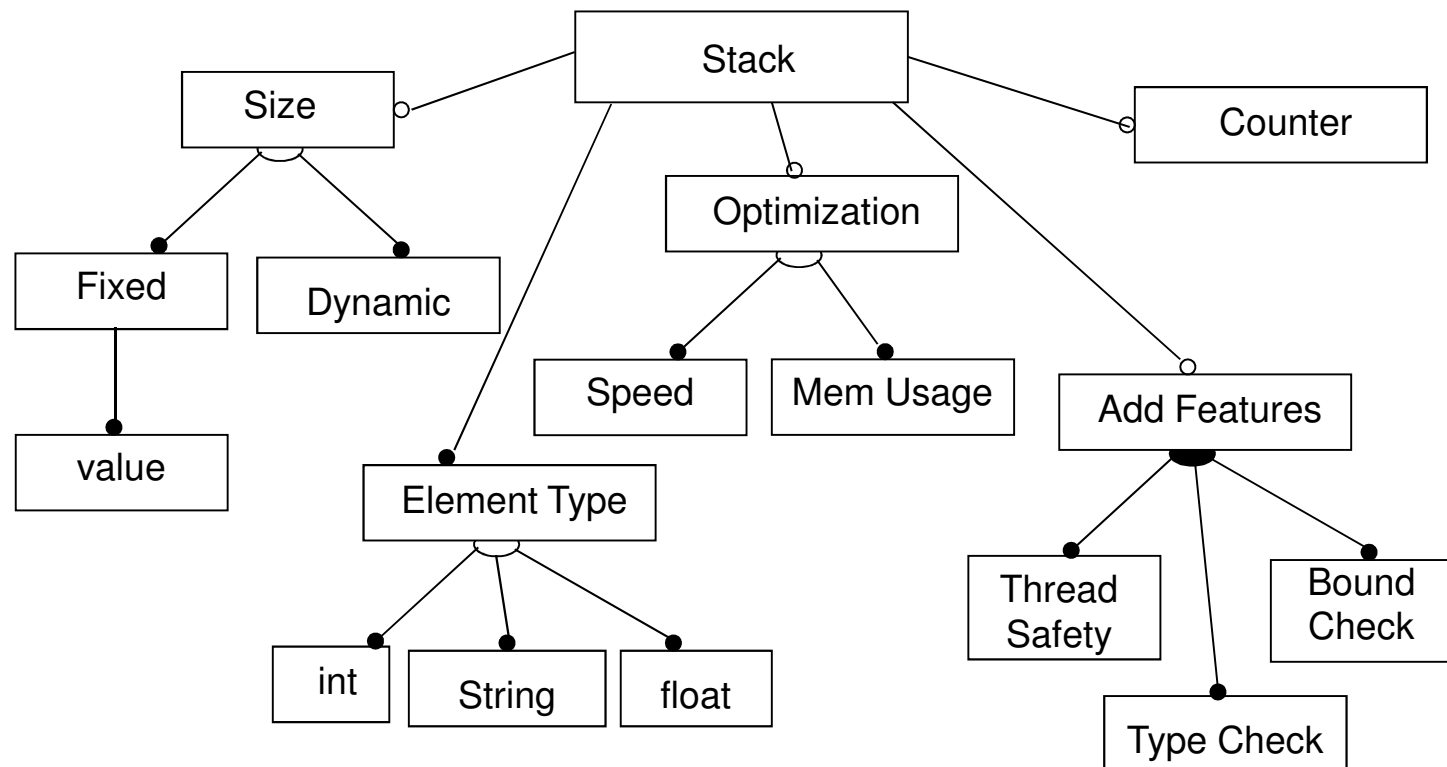
Metamodellezés és OCL



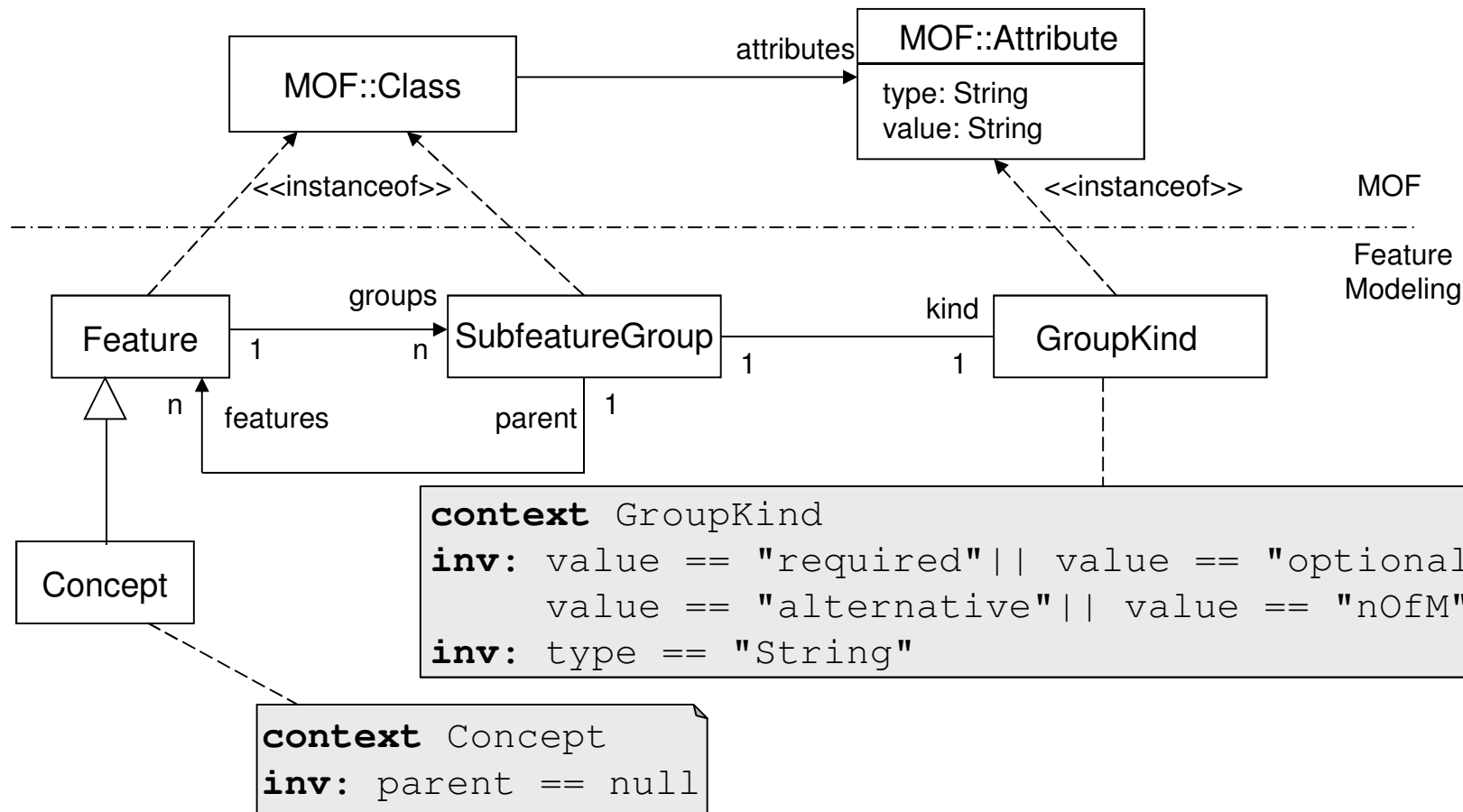
Metamodellezés és OCL



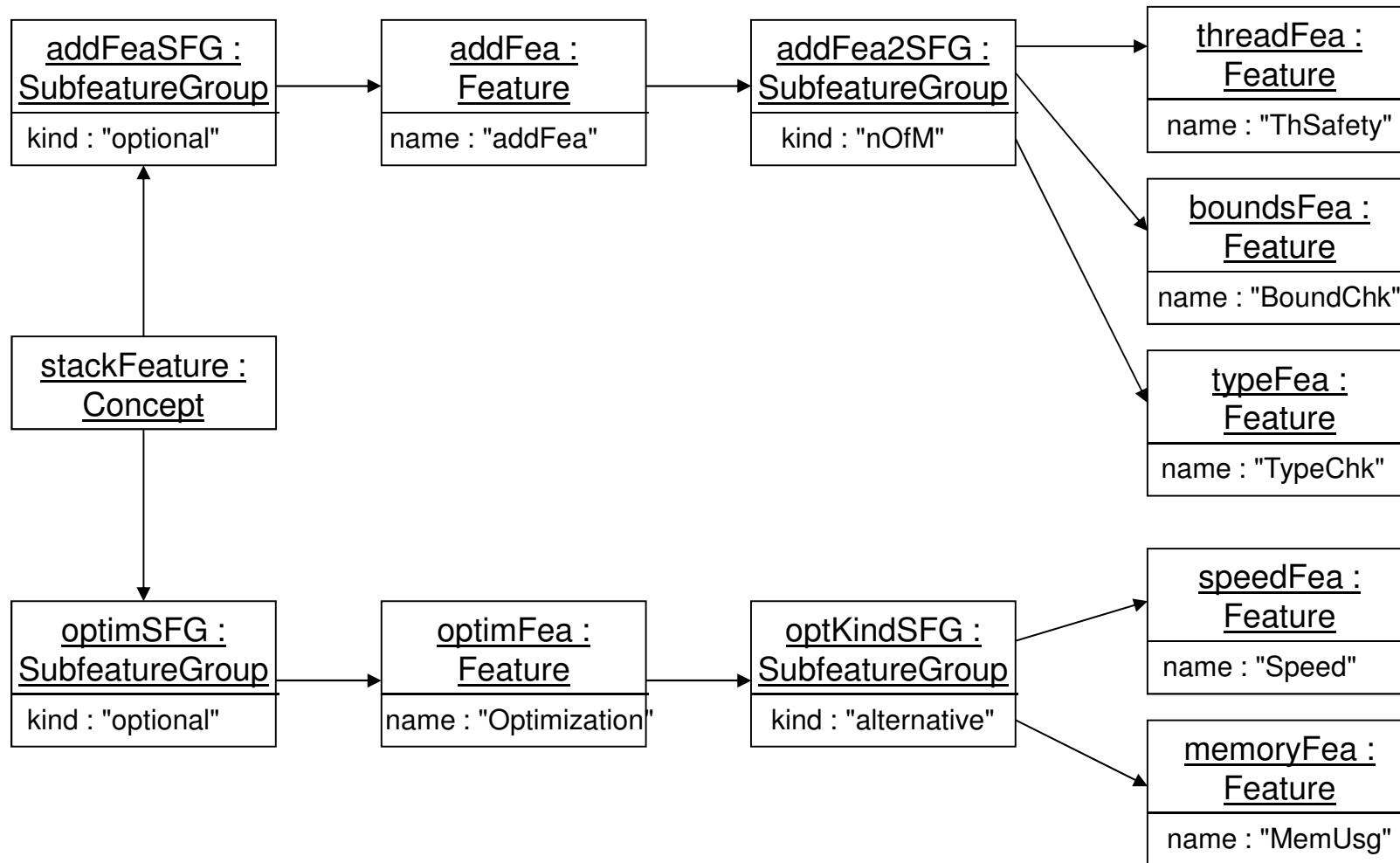
Metamodellezés példa 1



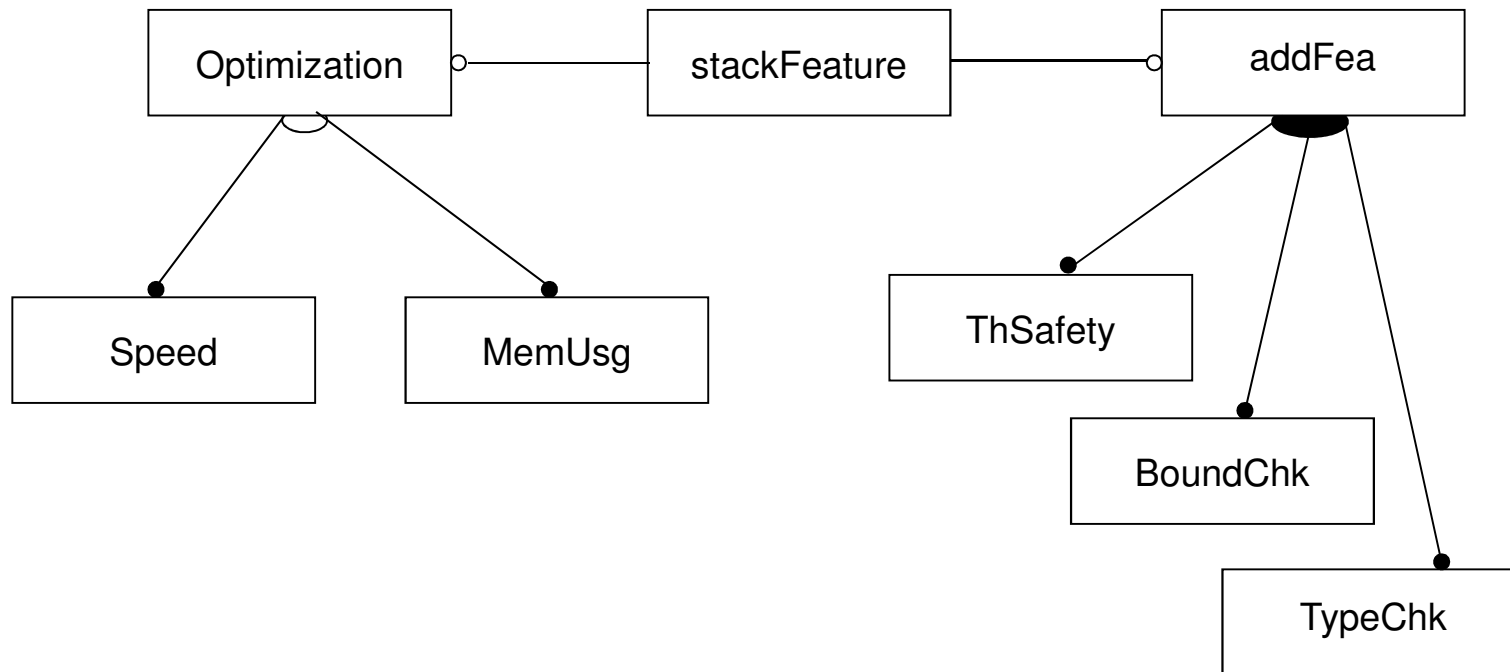
Metamodellezés példa 1



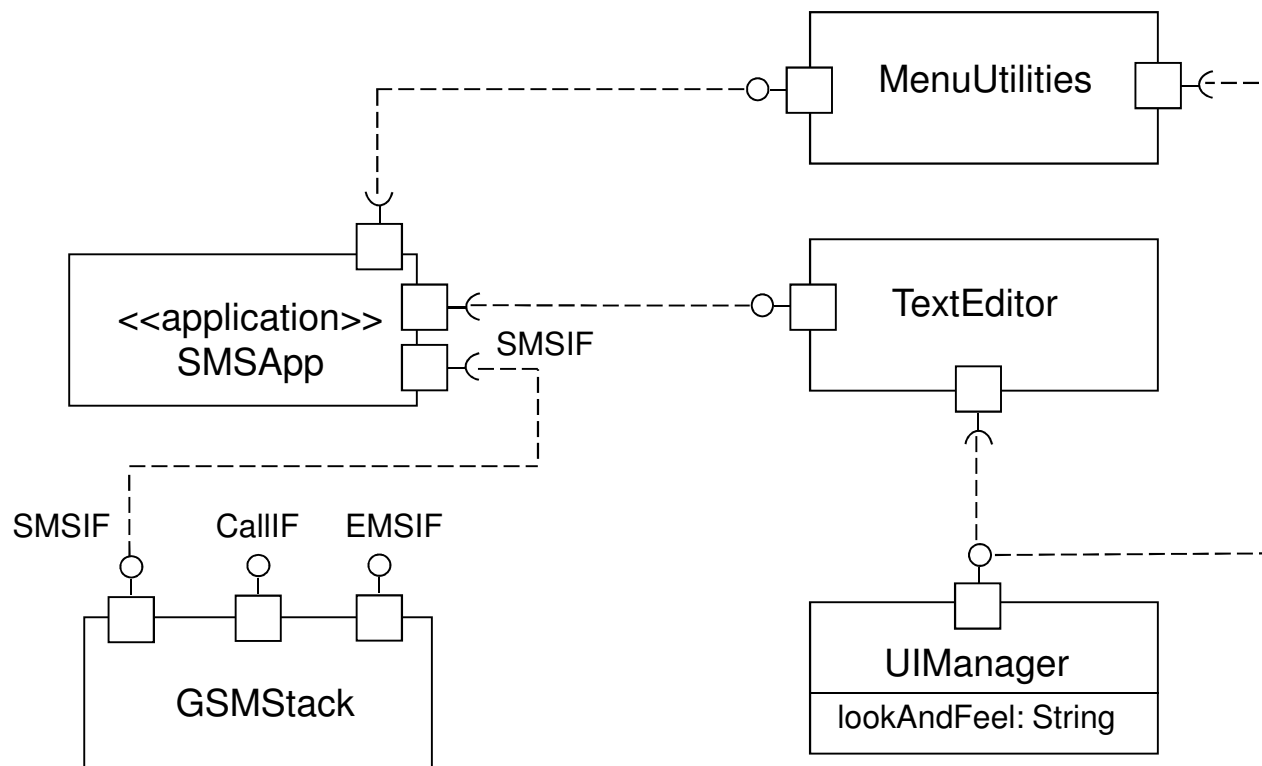
Metamodellezés példa 1



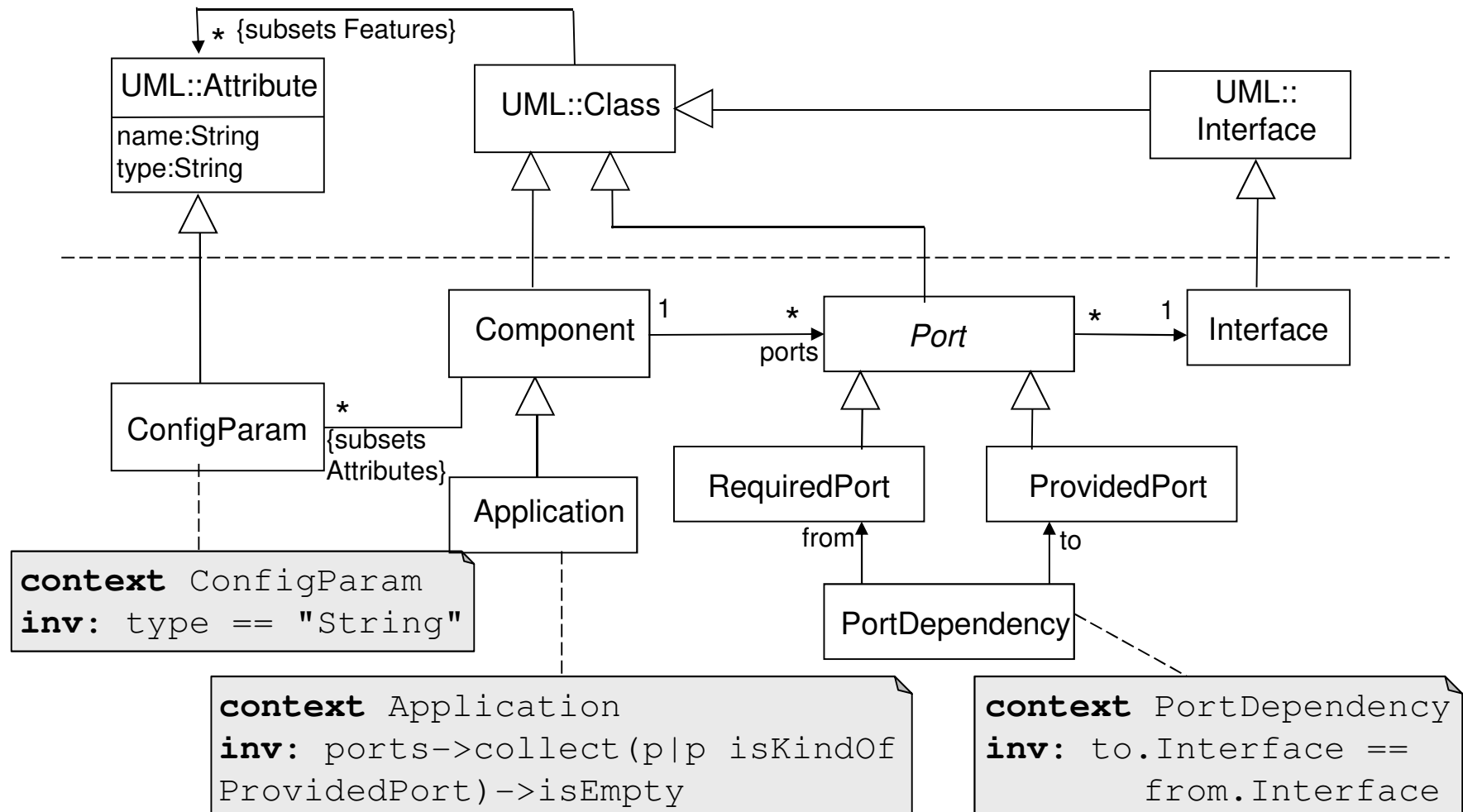
Metamodellezés példa 1



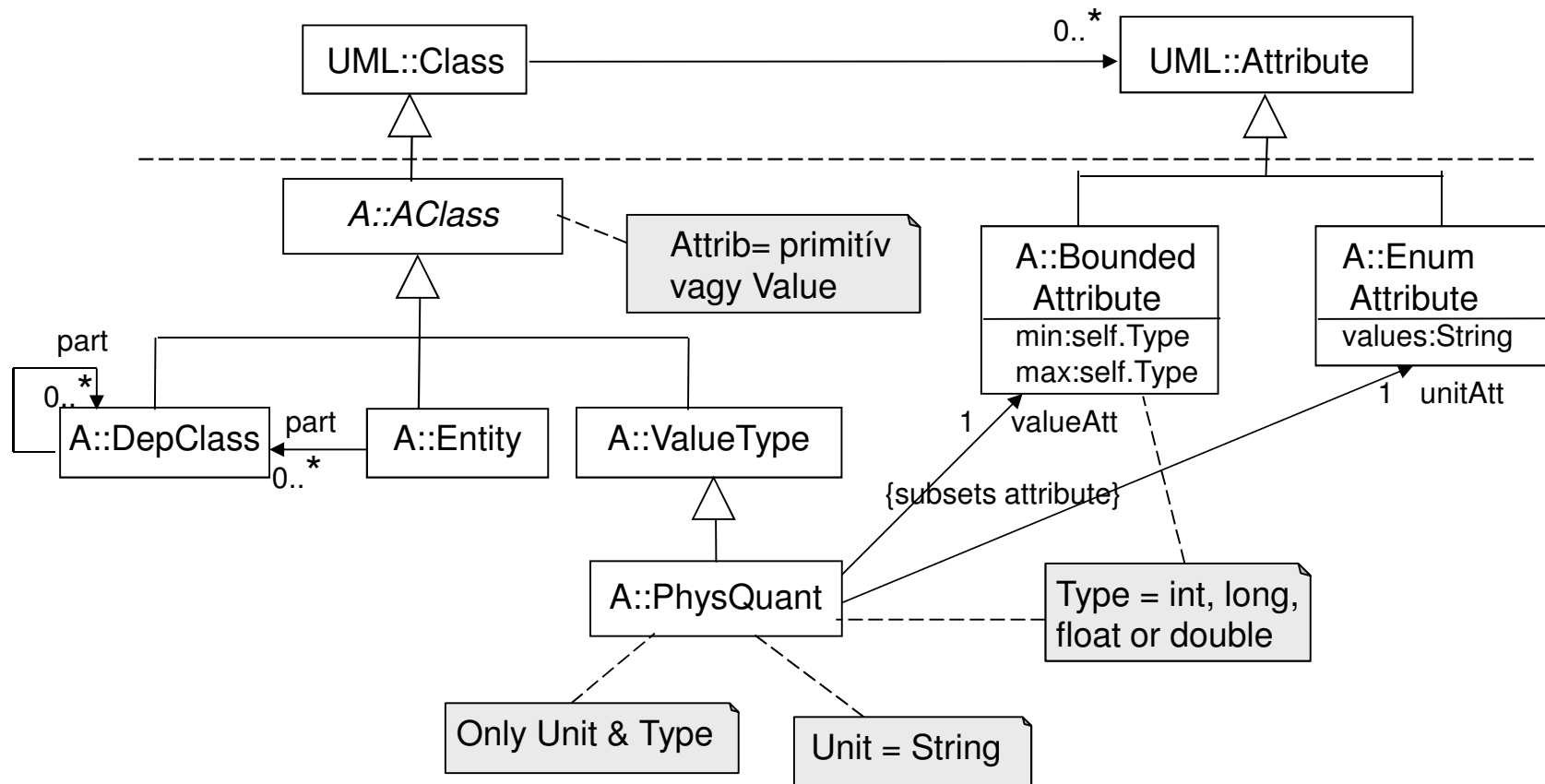
Metamodellezés példa 2



Metamodellezés példa 2

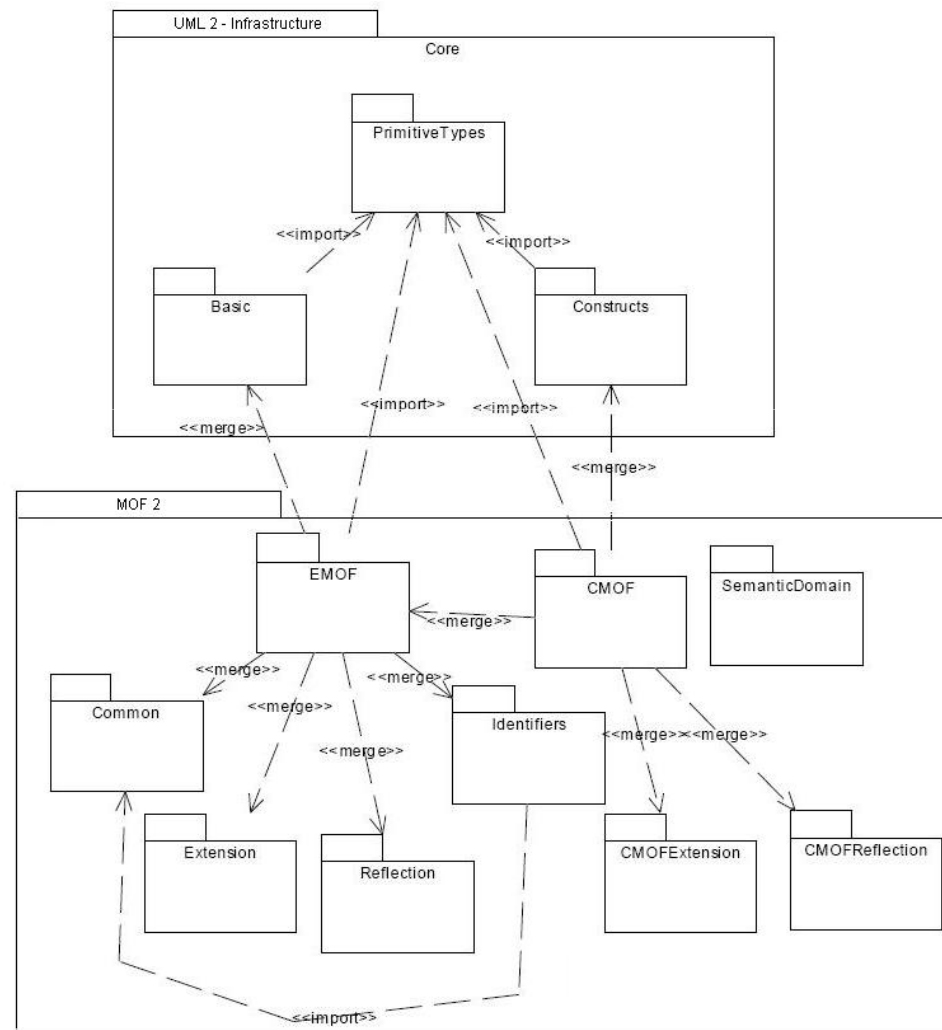


Metamodellezés példa 3



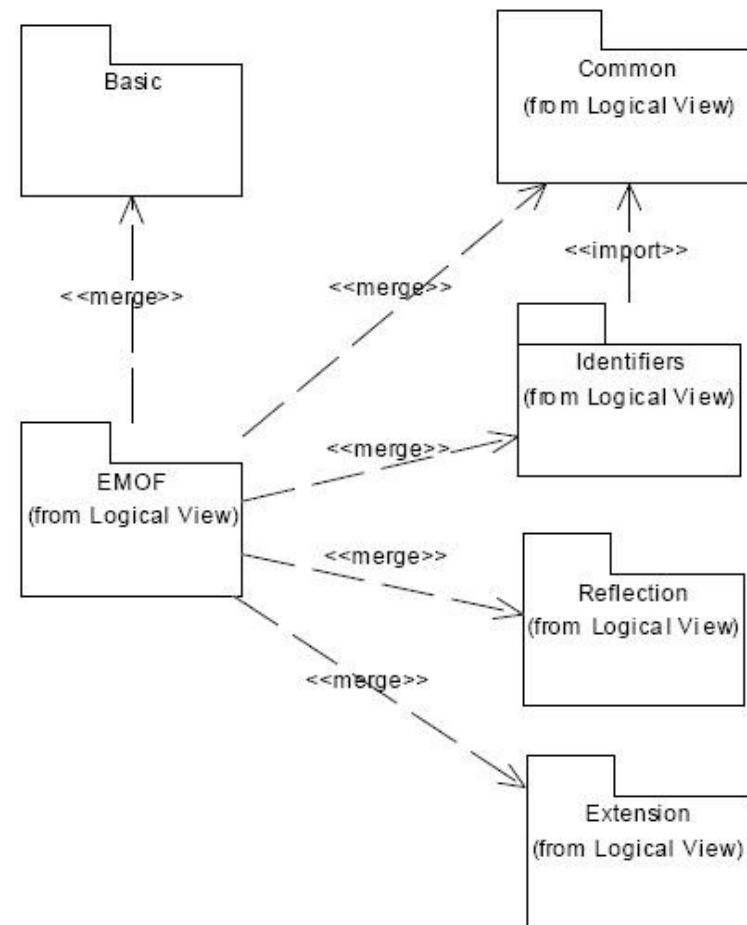
MOF részletesebben

- UML2-n alapul



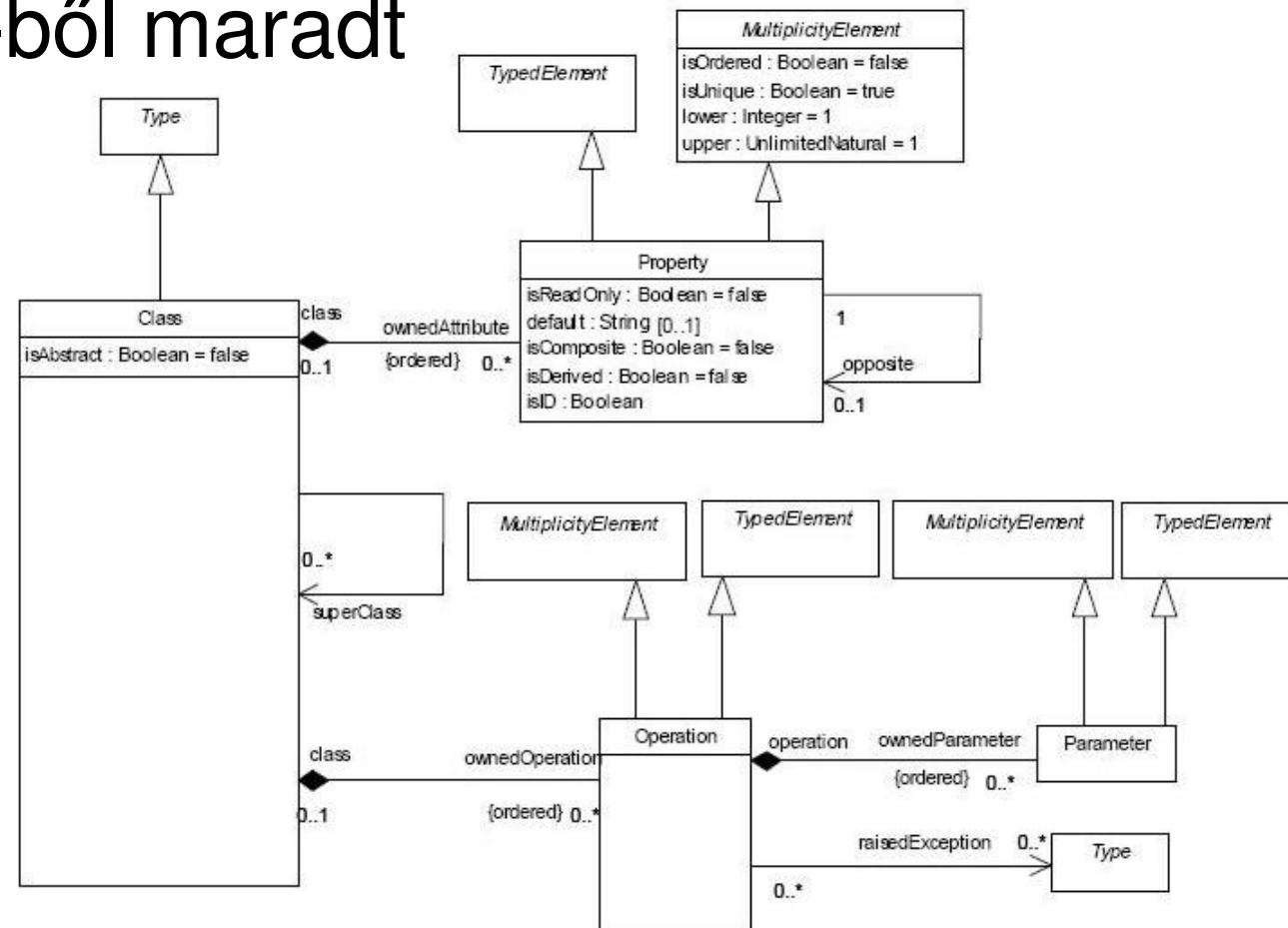
MOF részletesebben

- EMOF - essential
 - minimális
 - assoc. helyett ref.
 - CMOF konvert.



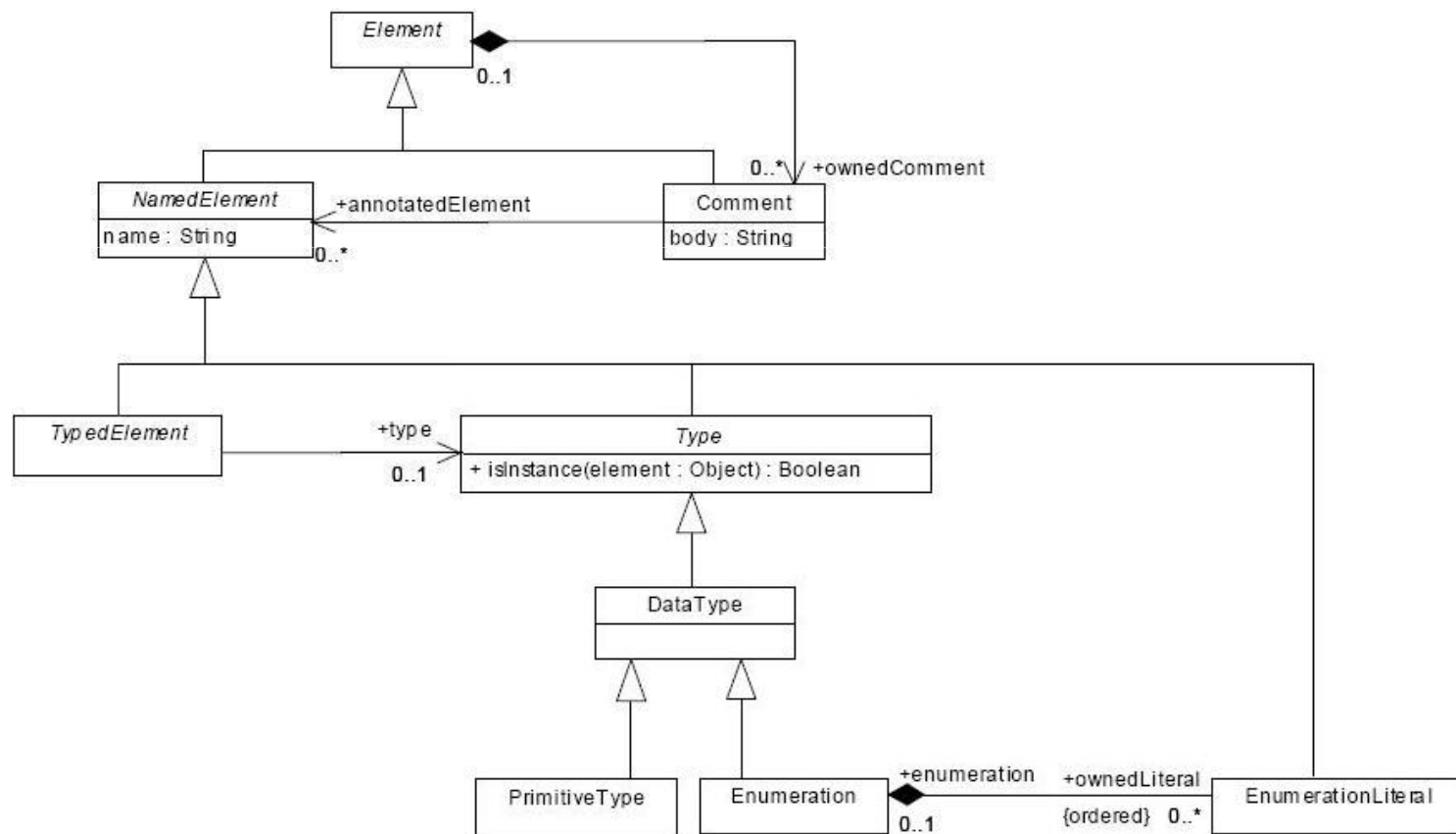
MOF részletesebben

■ UML2-ből maradt



MOF részletesebben

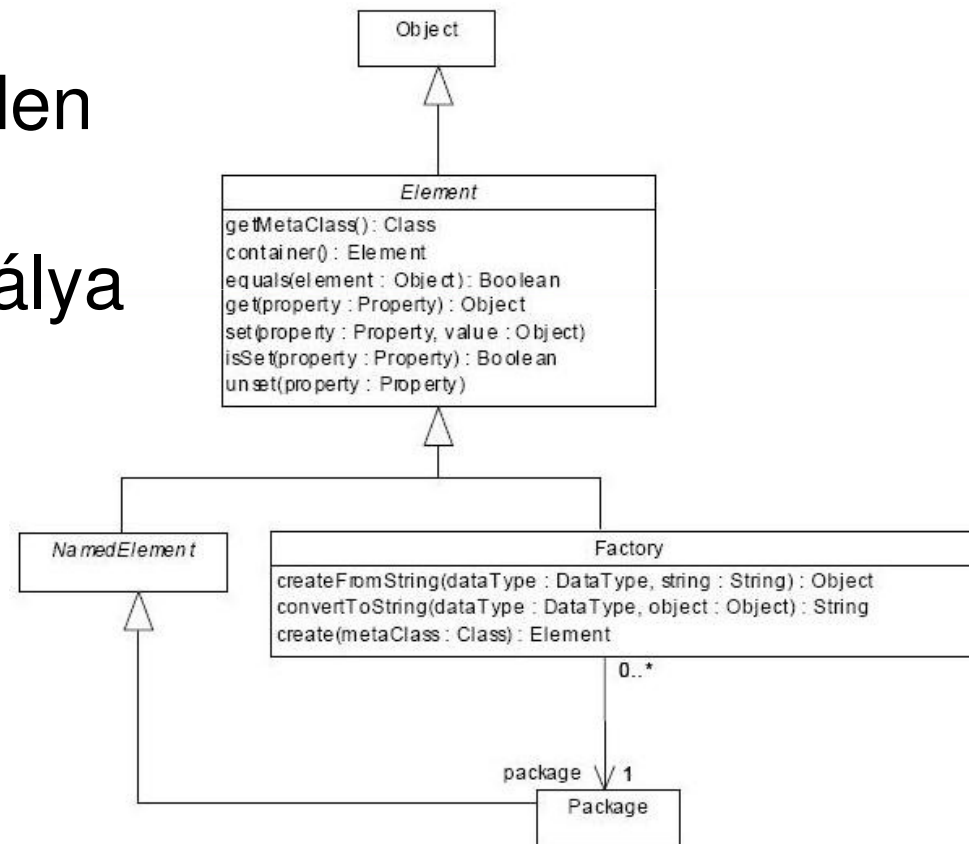
■ UML2-ből maradt



MOF részletesebben

■ Reflection

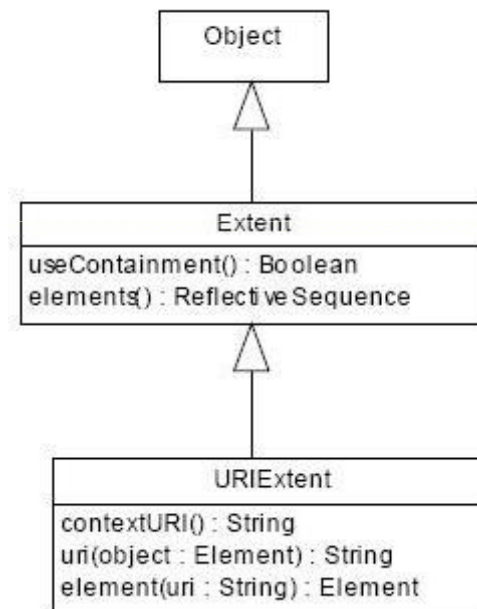
- Element = minden modell elem és példány őssosztálya
- API
- MDA-hoz



MOF részletesebben

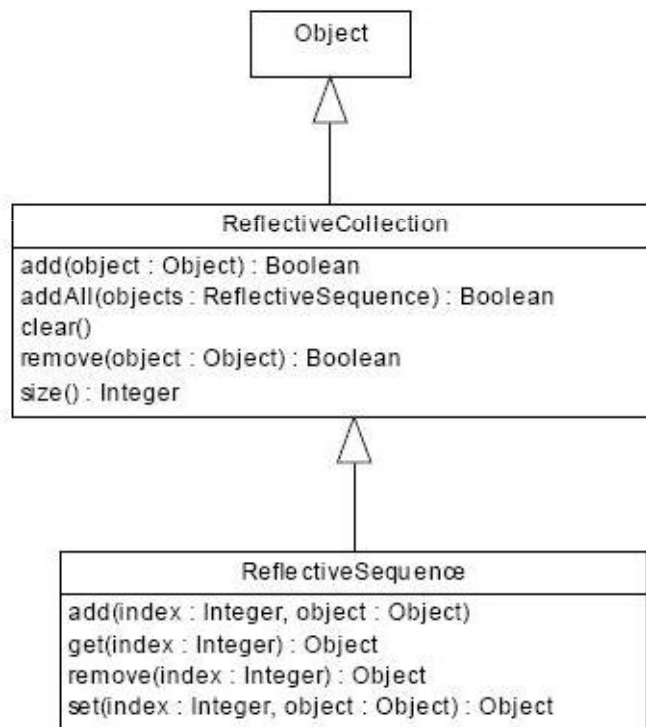
■ Identifiers

- OID: property *isID* true
- Extent: OID készlet
- URIExtent: OID = URI

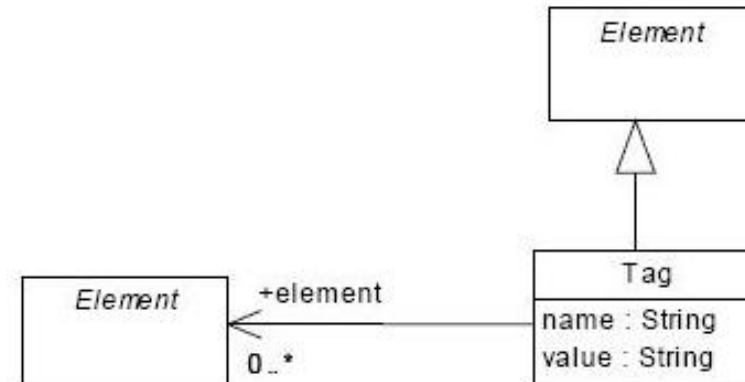


MOF részletesebben

■ Common

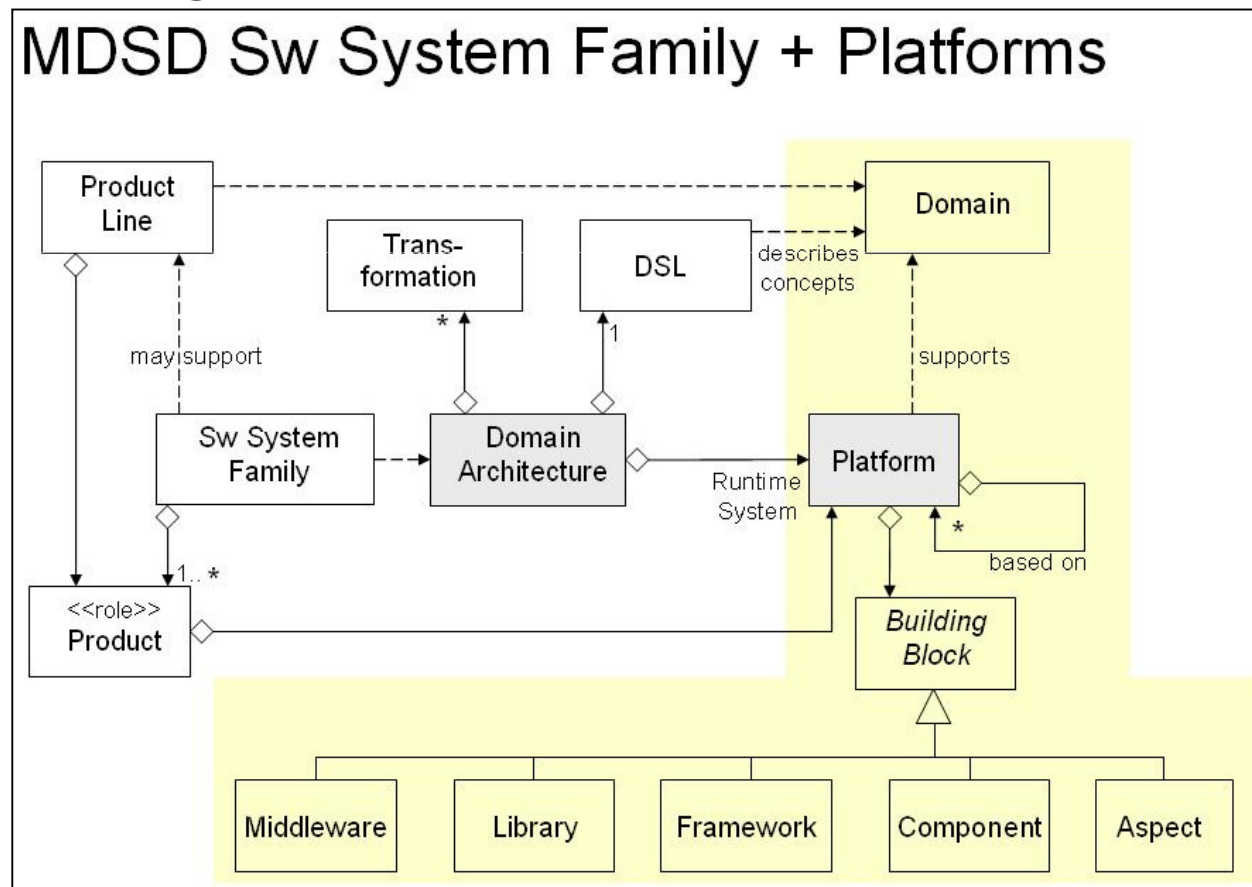


■ Extension



MDSD Target Architectures

■ Mi a "Target" architektúra ?





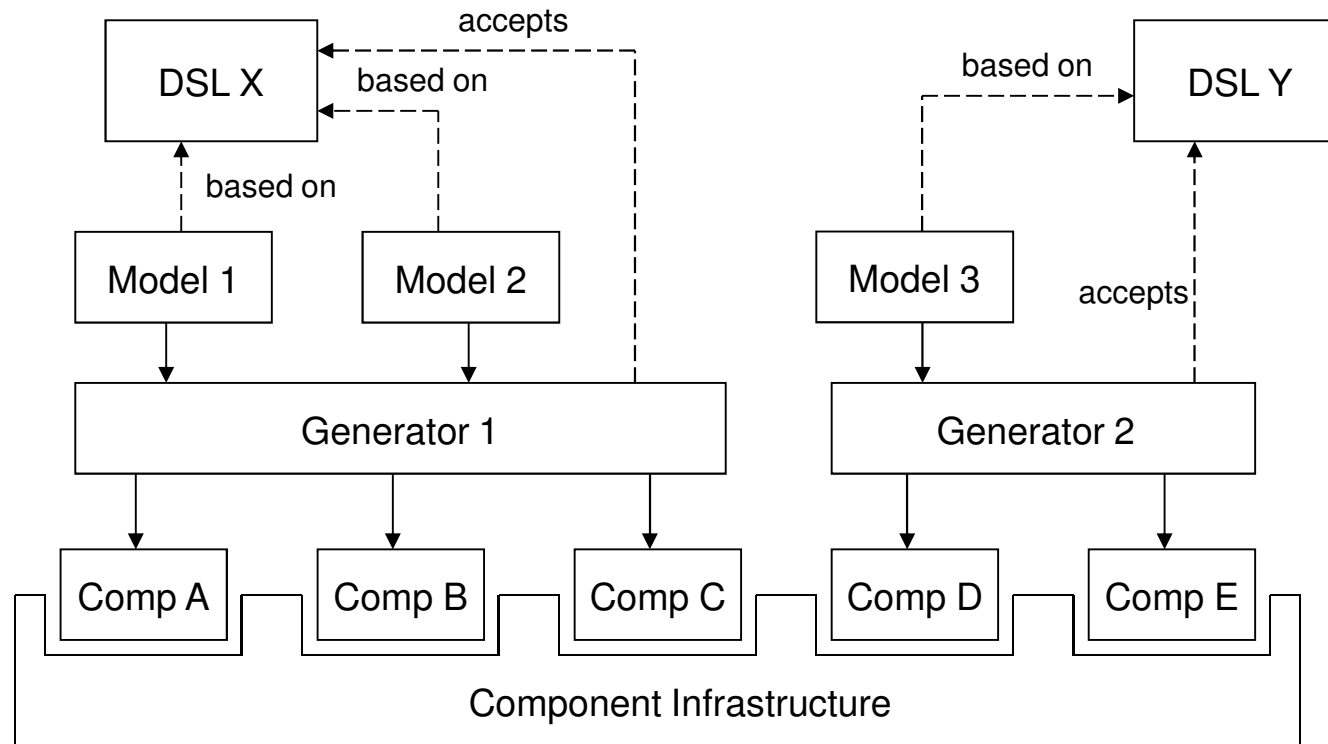
MDSD Target Architectures

■ Elemei:

- Domain architecture – transzformáció, eszköz
- Platform
 - framework — konfiguráció + kiterjesztés
 - middleware — speciális keretrendszer
 - komponens — önhordó – interfész – körny. függ

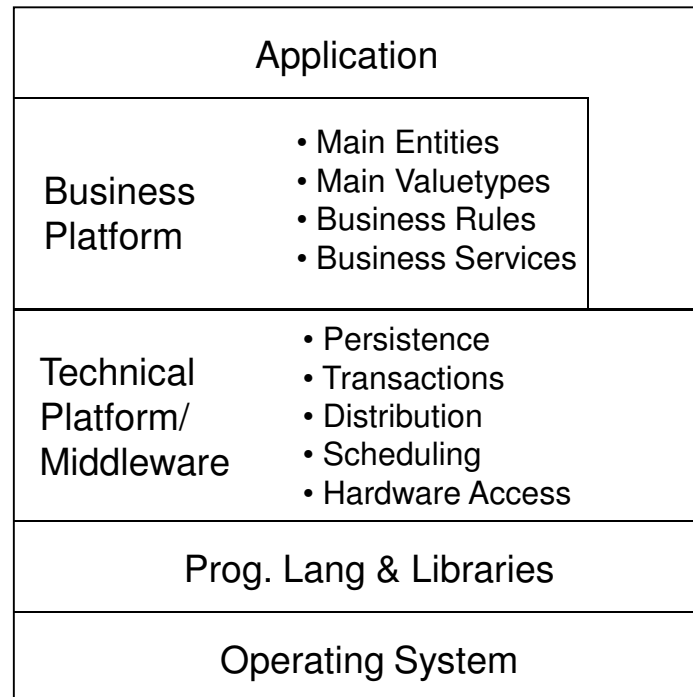
MDSD Target Architectures

■ Komponens rendszer



MDSD Target Architectures

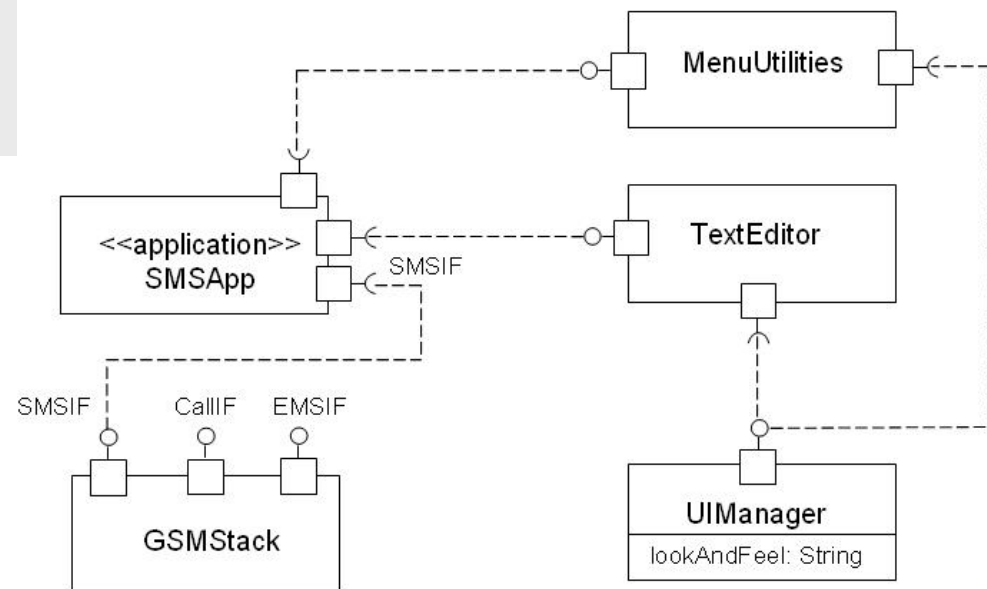
■ Komponens - Architektúra referencia modell



MDSD Target Architectures

■ Komponens - Függőségek

```
public class SMSAppImpl {  
    public void doSomething() {  
        TextEditor editor = (TextEditor)  
            Factory.getComponent("TextEditor");  
        .....  
    }  
}
```





MDSD Target Architectures

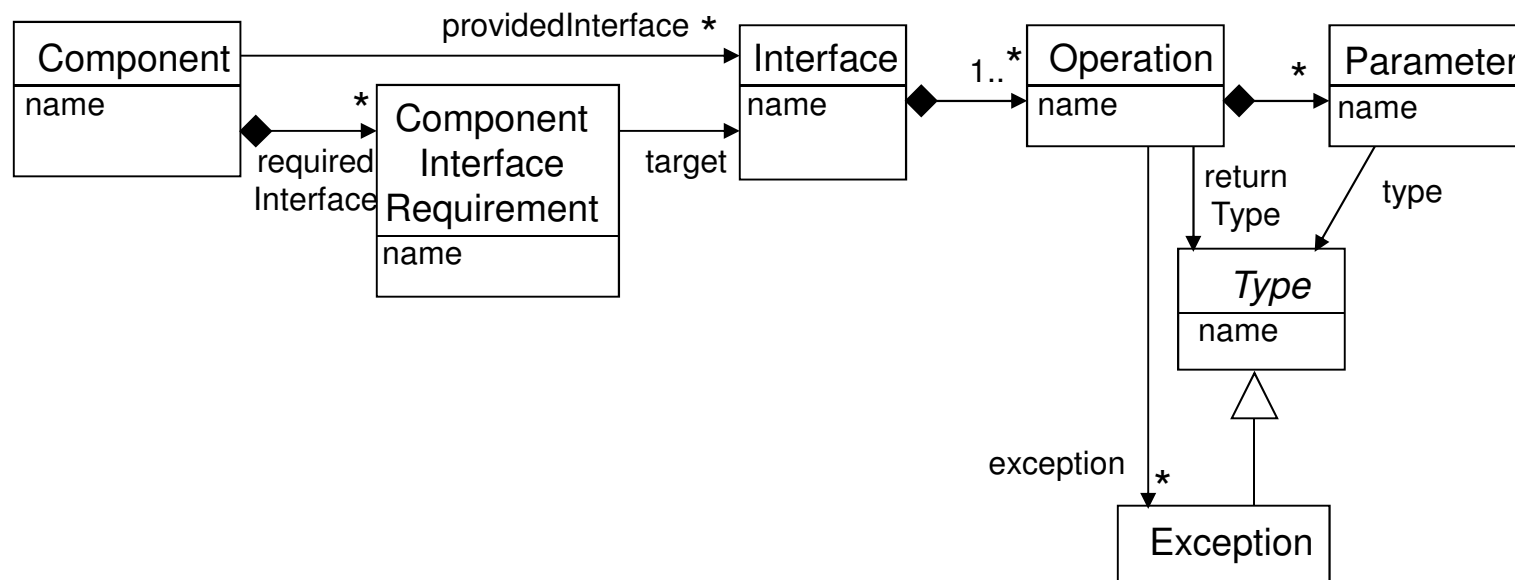
■ Komponens - Függőségek

```
public interface SMSAppContext
    extends ComponentContext {
    public TextEditorIF getTextEditorIF();
    public SMSIF getSMSIF();
    public MenuIF getMenuIF();
}
public class SMSAppImpl implements Component {
    private SMSAppContext context = null;
    public void init(ComponentContext ctx) {
        context = (SMSAppContext)ctx;
    }
    public void doSomething() {
        TextEditor editor =
            context.getTextEditorIF();
        .....
    }
}
```

MDSD Target Architectures

■ Komponens – nézetek

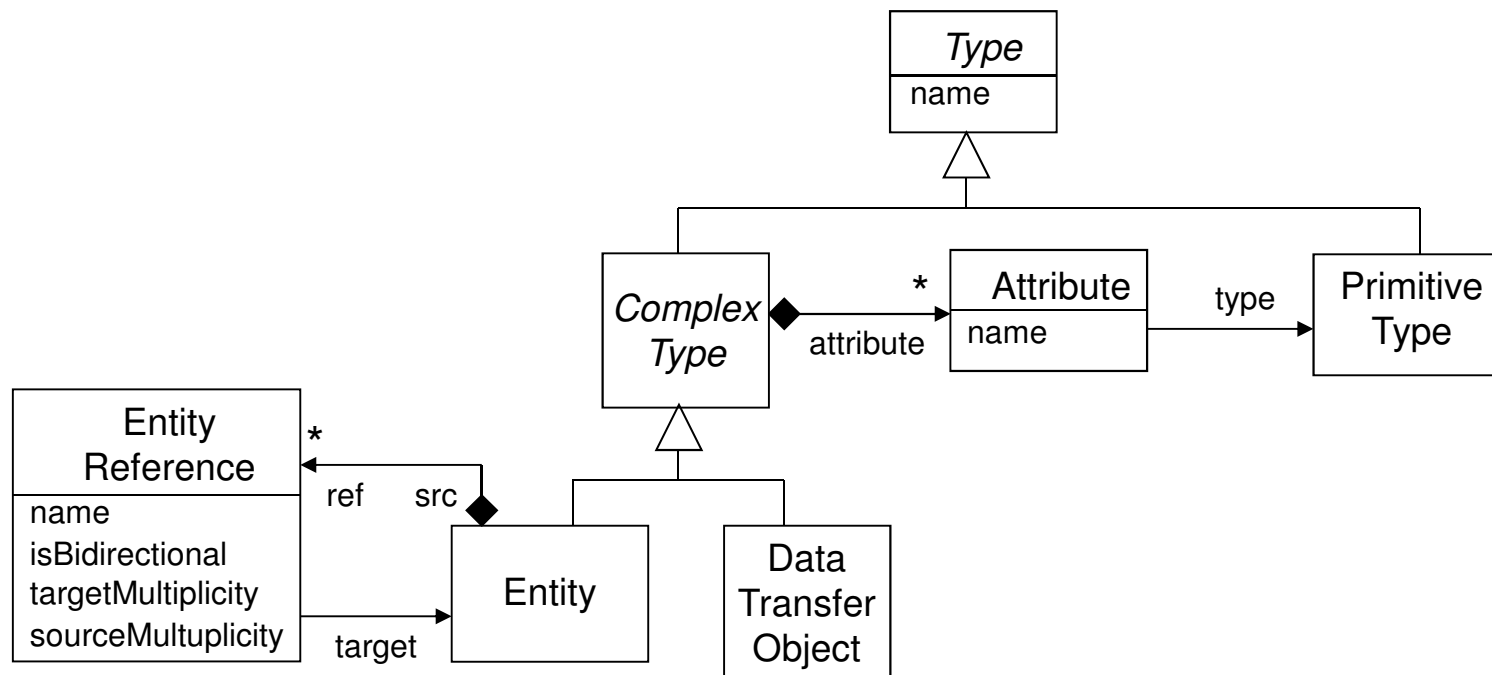
□ type view



MDSD Target Architectures

■ Komponens – nézetek

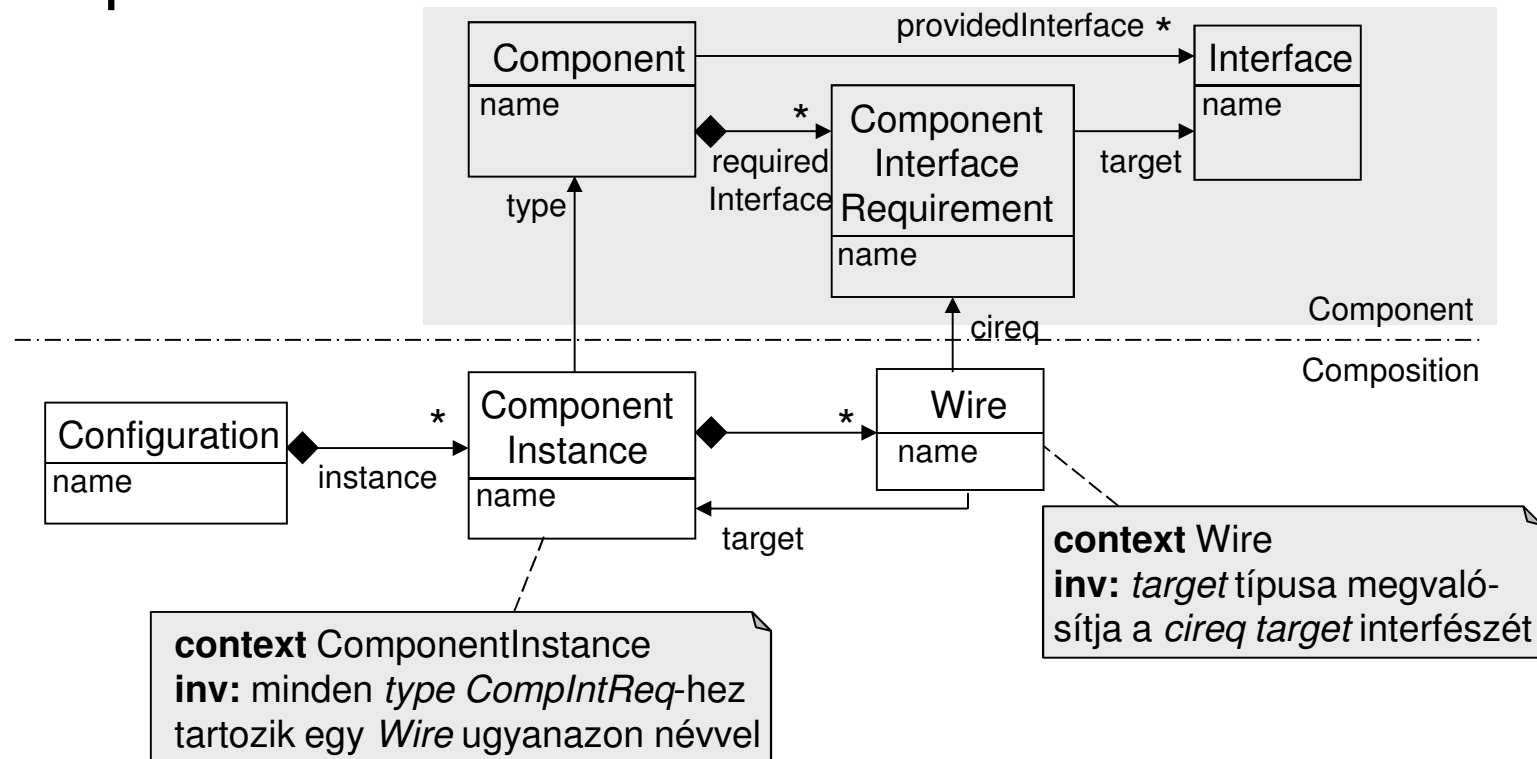
□ type view



MDSD Target Architectures

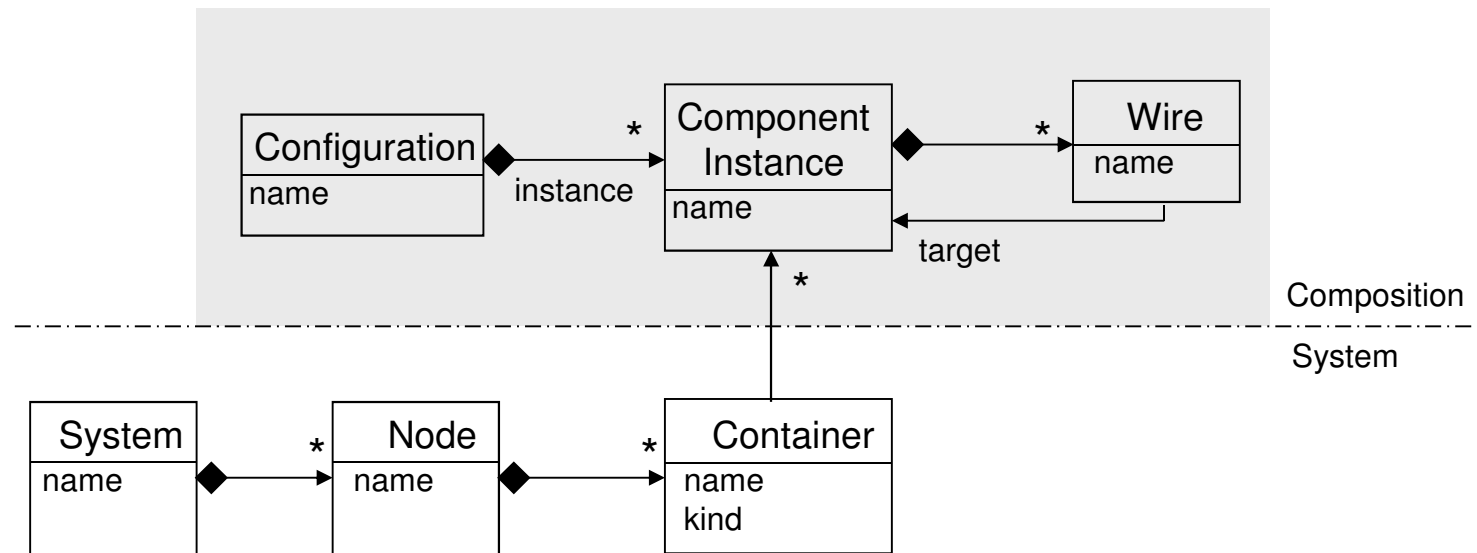
■ Komponens – nézetek

□ composition view



MDSD Target Architectures

- Komponens – nézetek
 - system view



MDSD Target Architectures

■ Aspektus - példa

