



Metamodellek a szoftverfejlesztésben

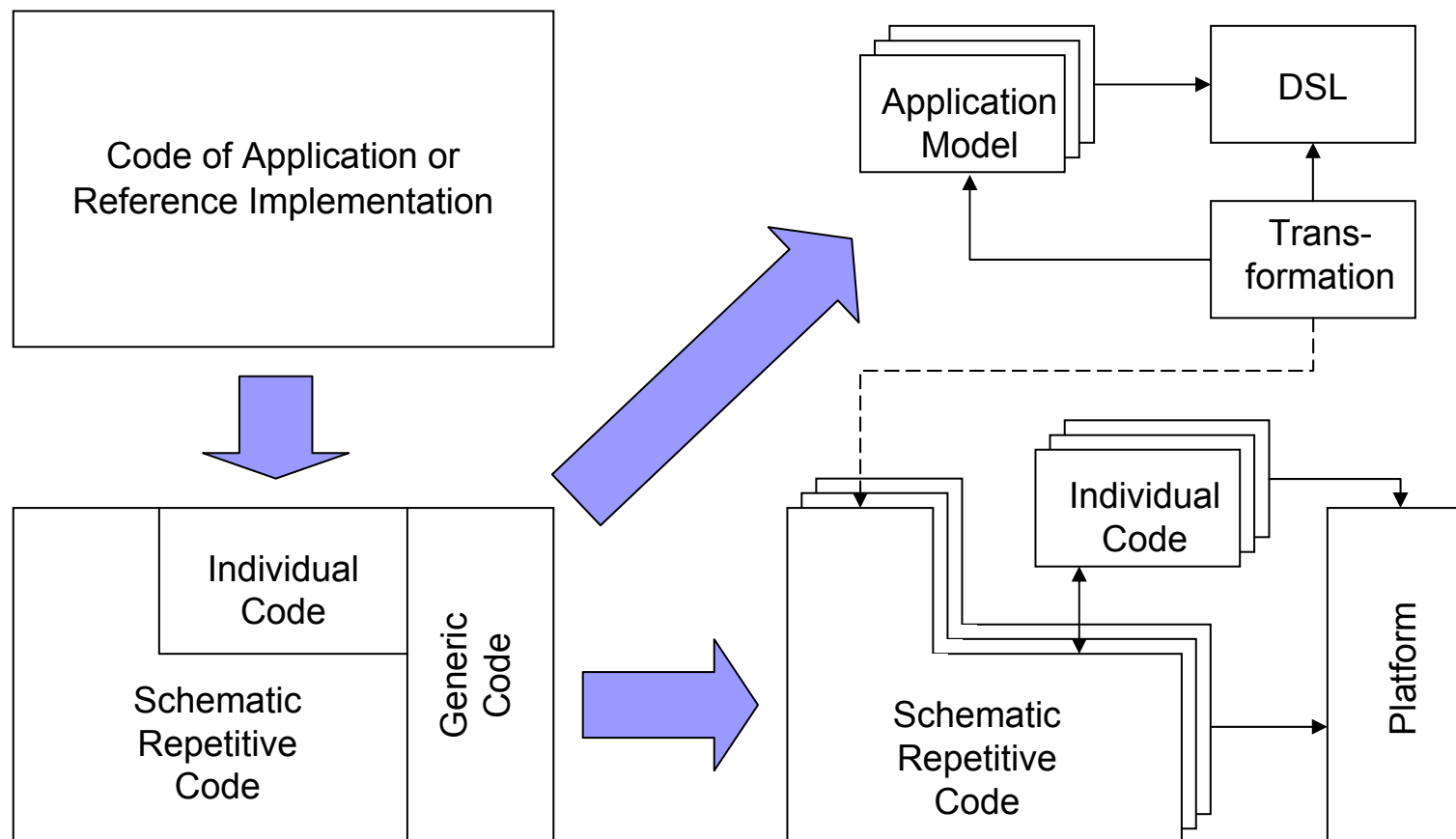
MDSD – Bevezetés



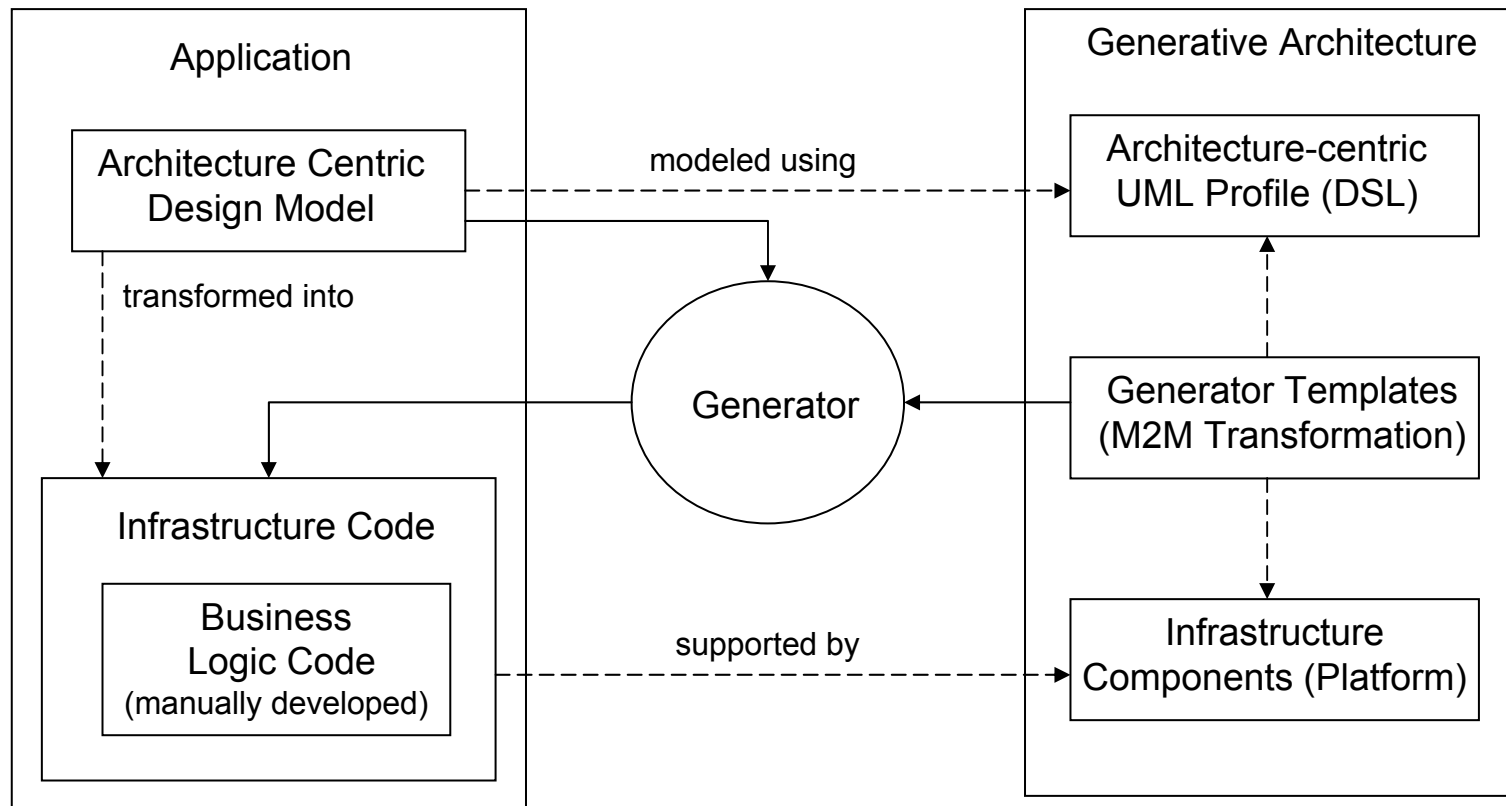
MDSD

- Model Driven Software Development
- MDA-val nagyban átfed, általánosabb
- Célok:
 - minőség, sebesség, karbantarthatóság
 - implementáció, mint aspektus
 - újrahasználható architektúra
 - interoperabilitás

MDSD



Architektúra központú MDSD



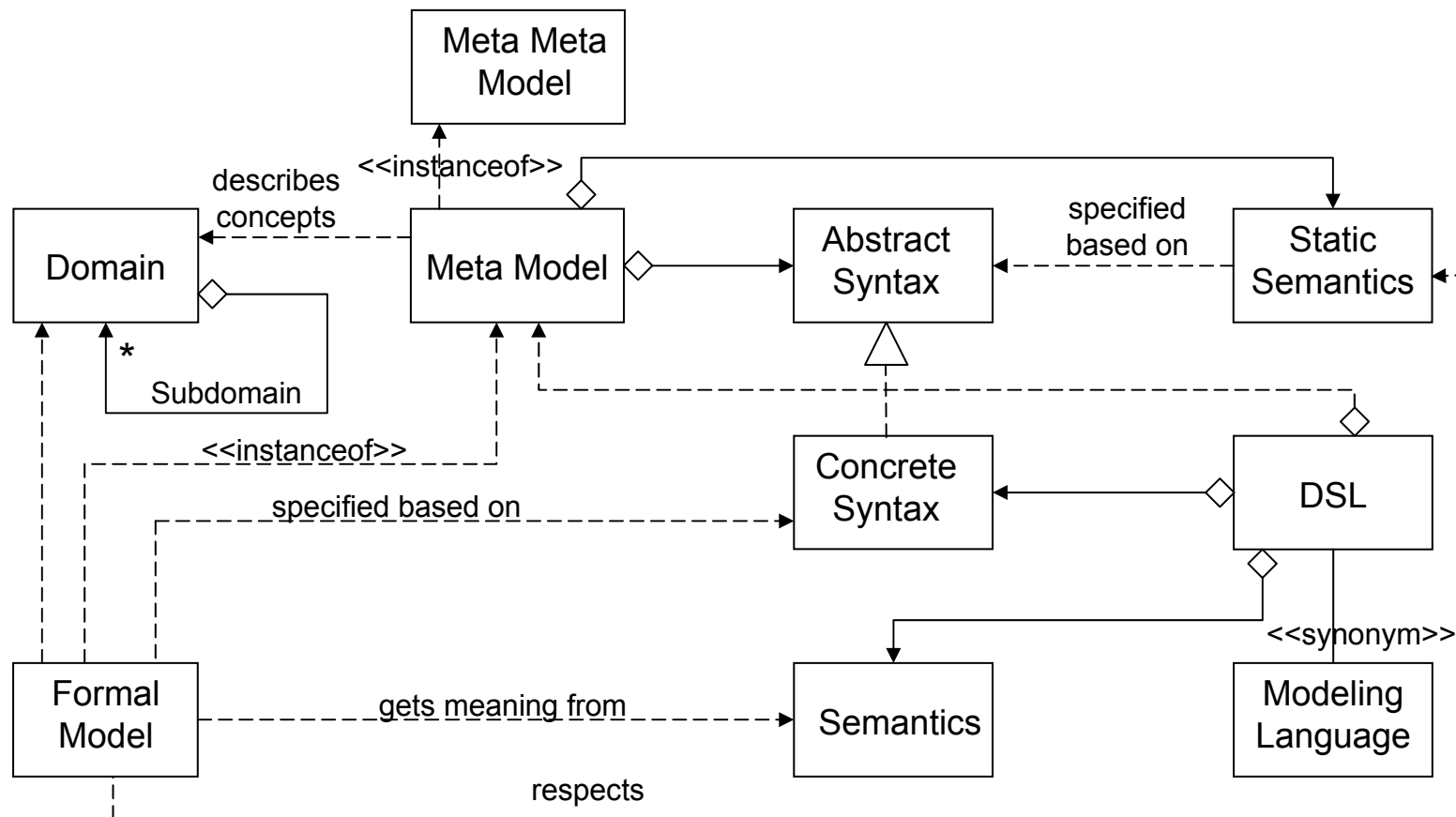


MDSD leírás

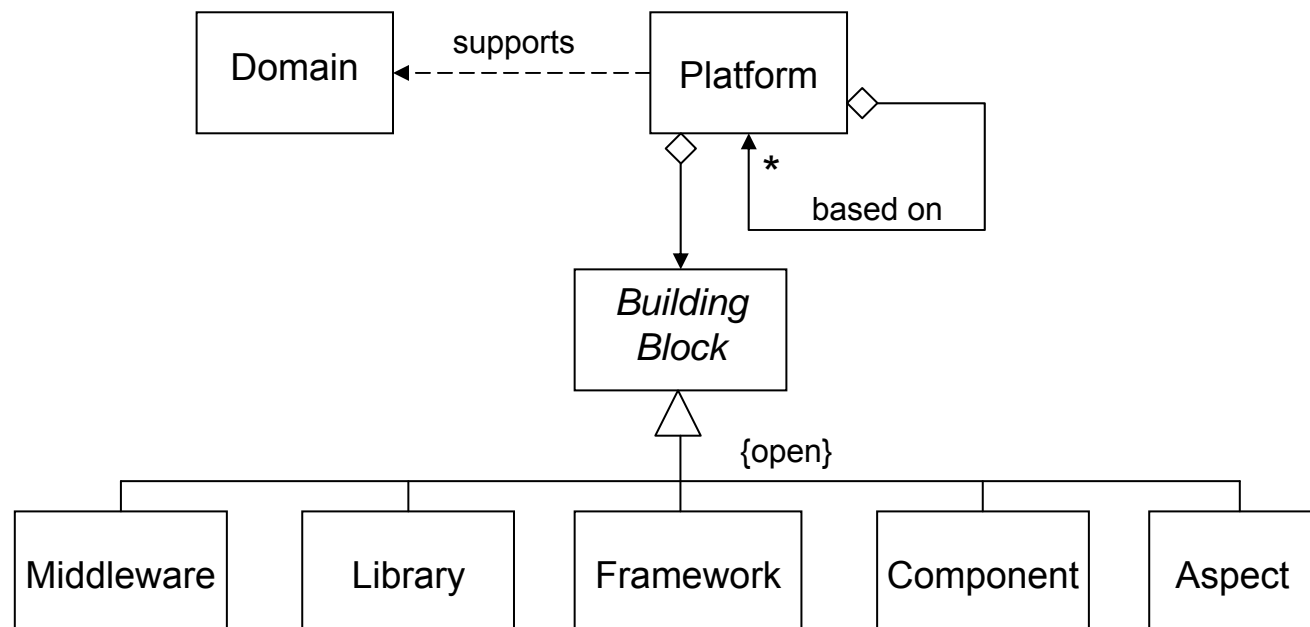
■ Nézetek:

- ☐ Modeling
- ☐ Platforms
- ☐ Transformation
- ☐ Software System Family

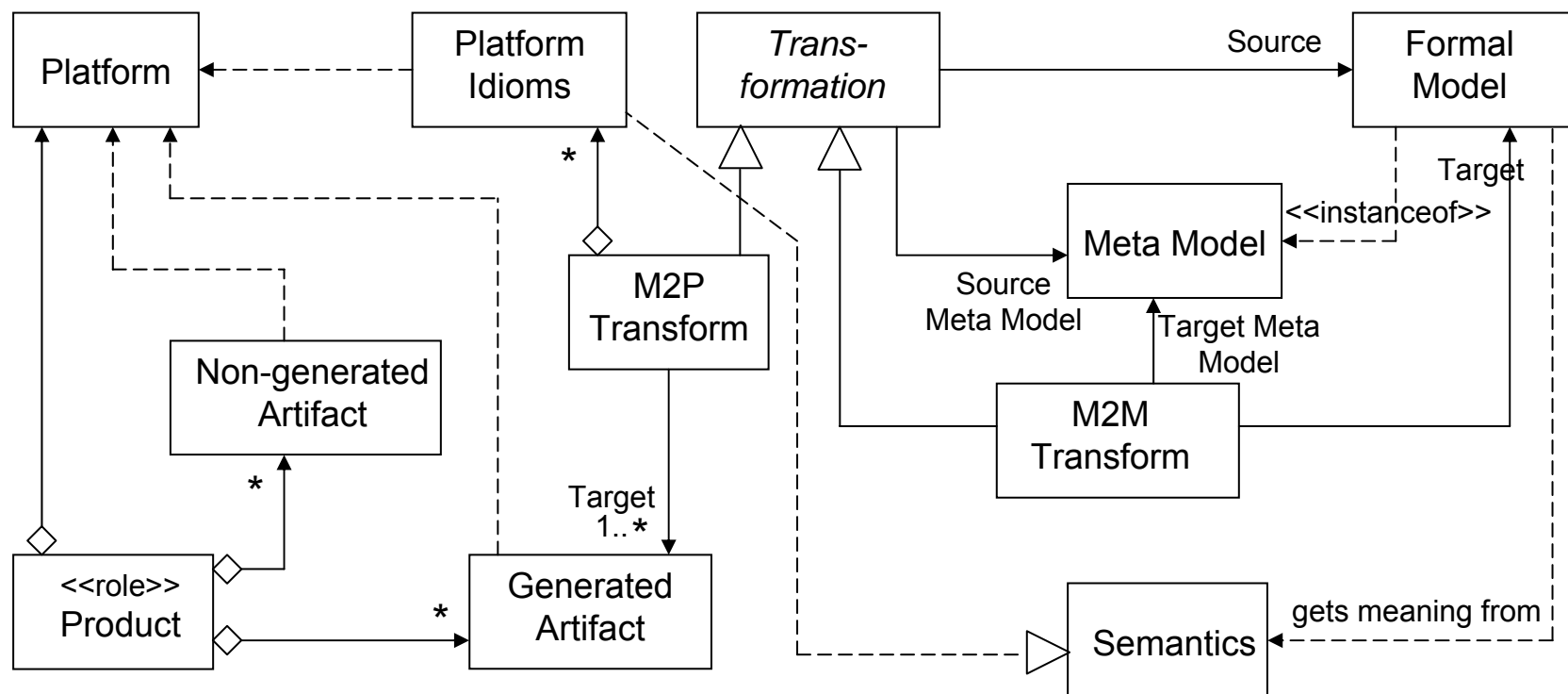
MDSD Modeling



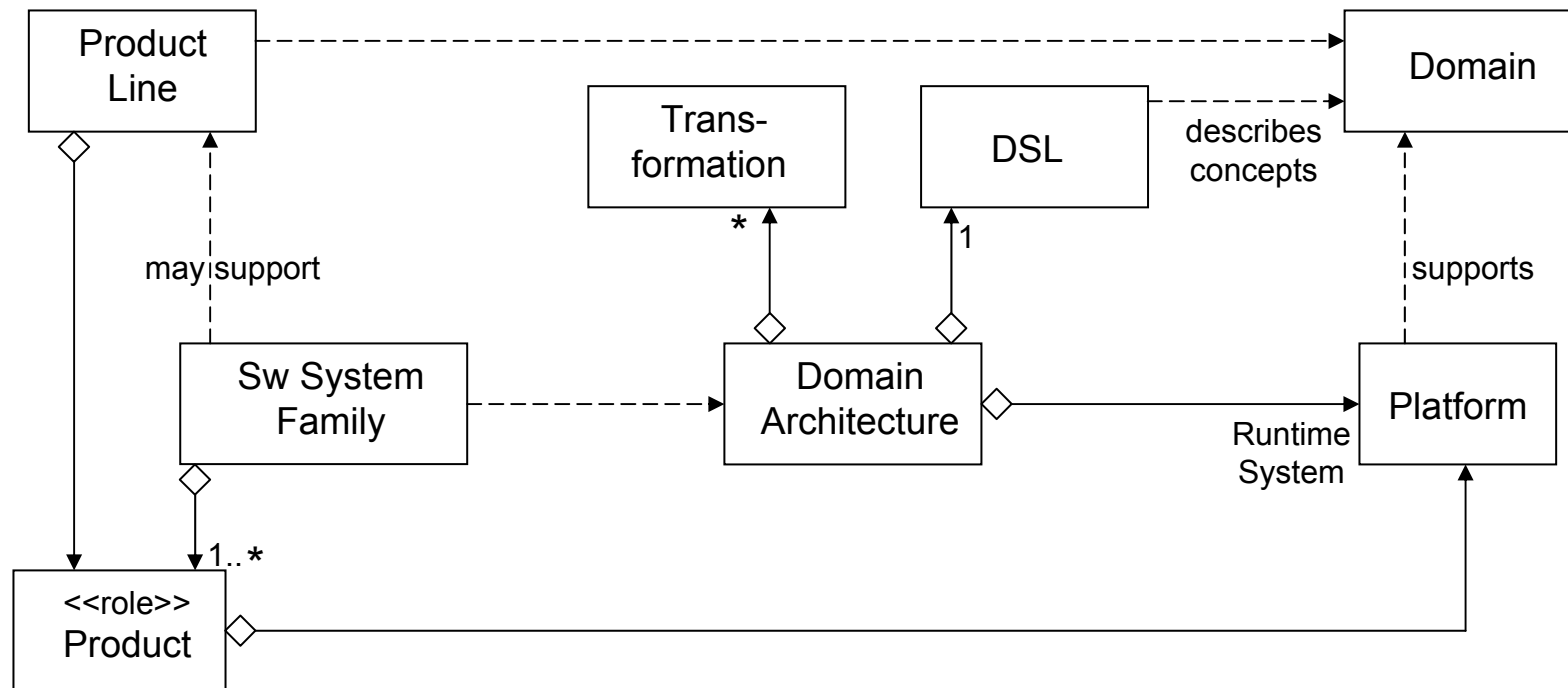
MDSD Platforms



MDSD Transformation

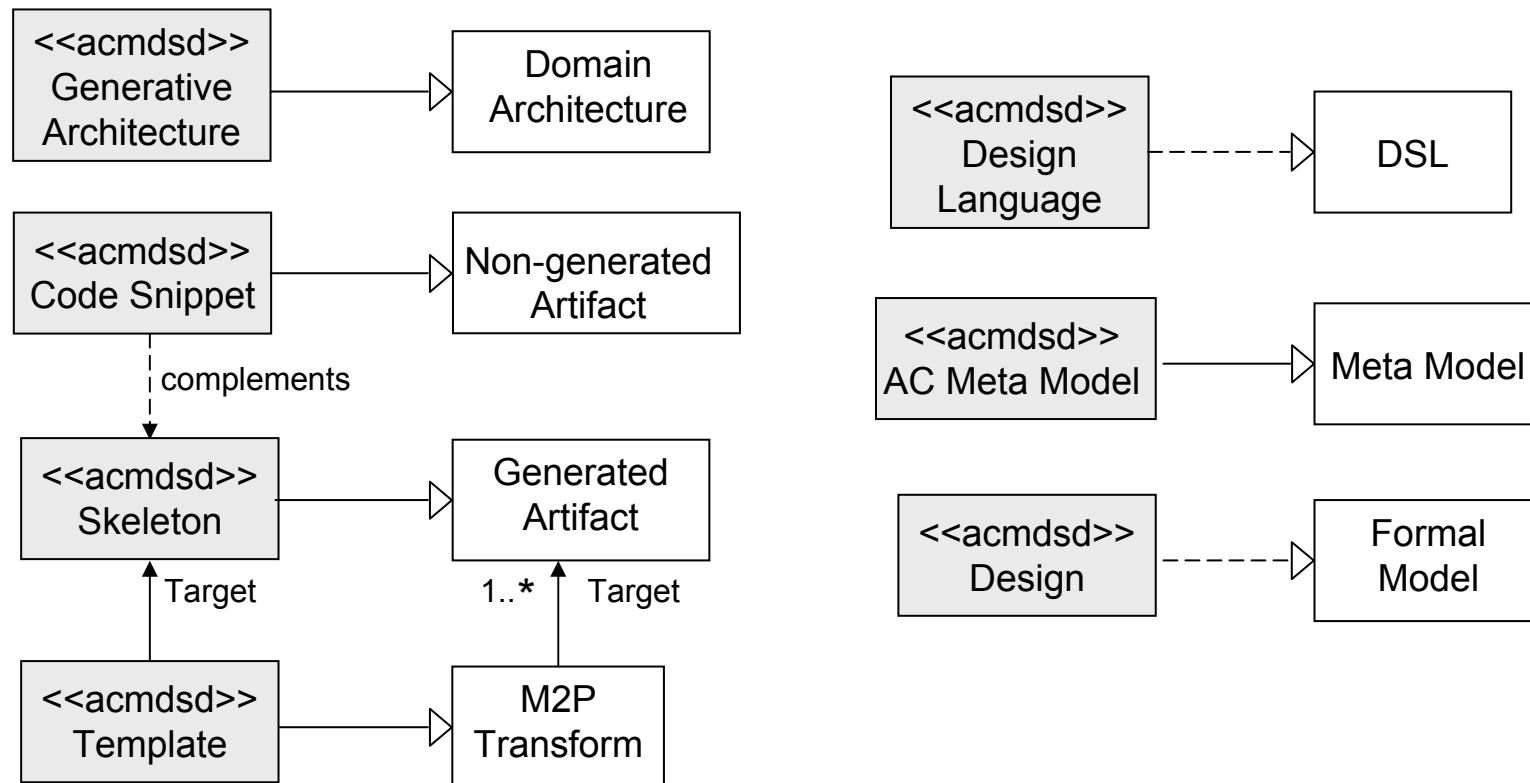


MDSD Sw System Family



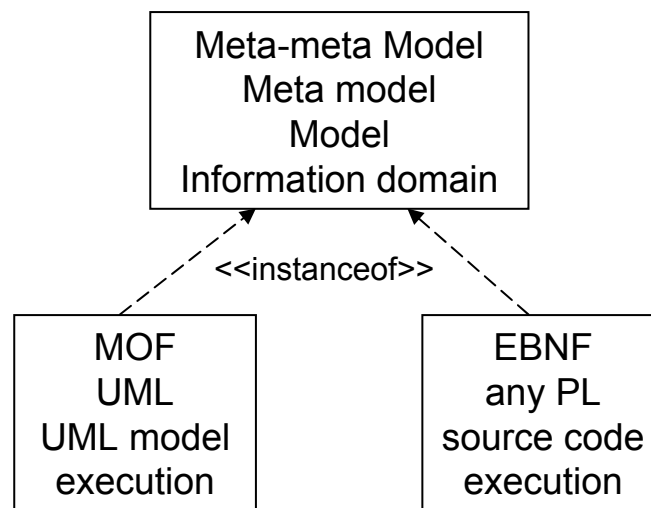


AC-MDSD specifikus

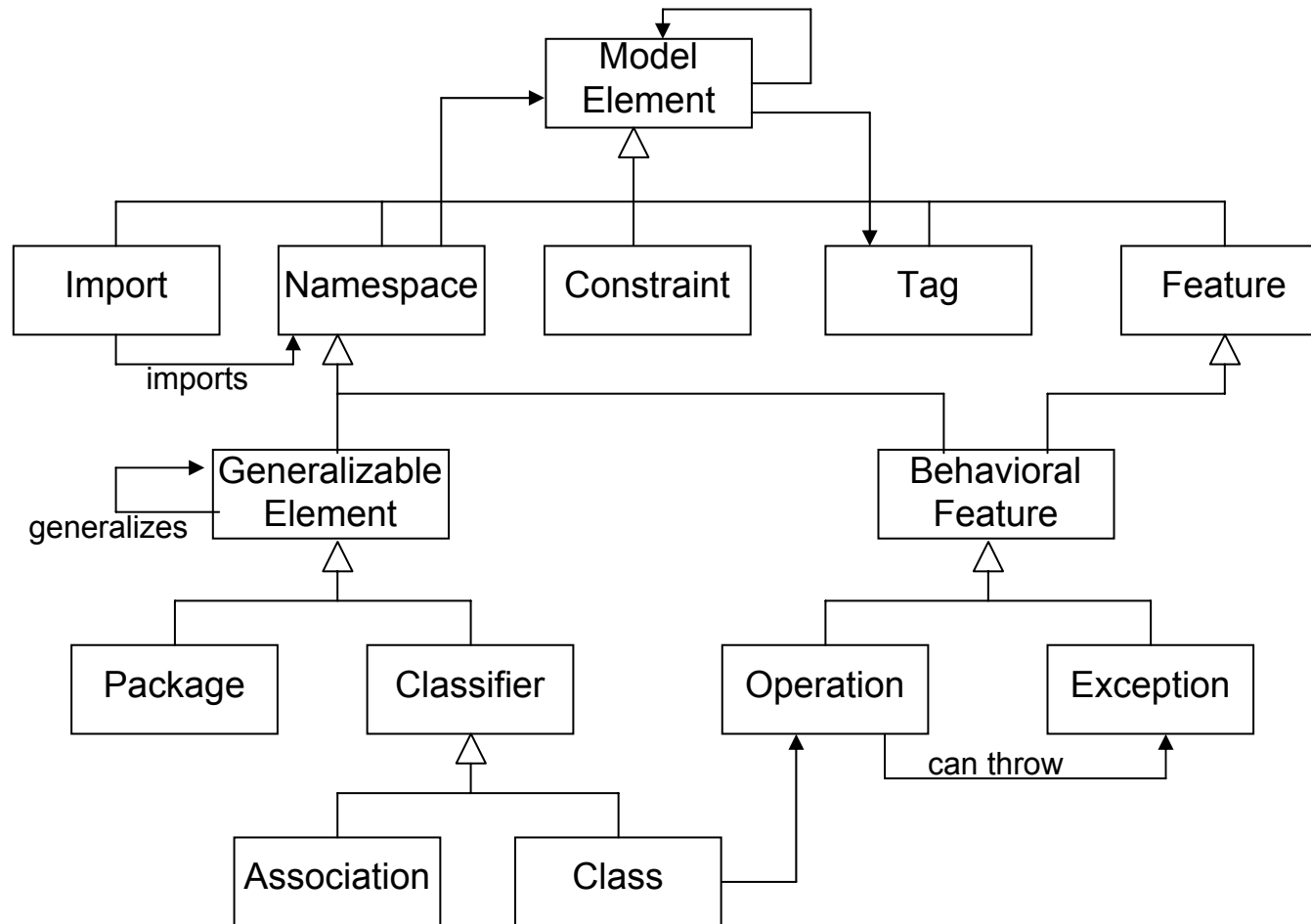


Metamodellezés

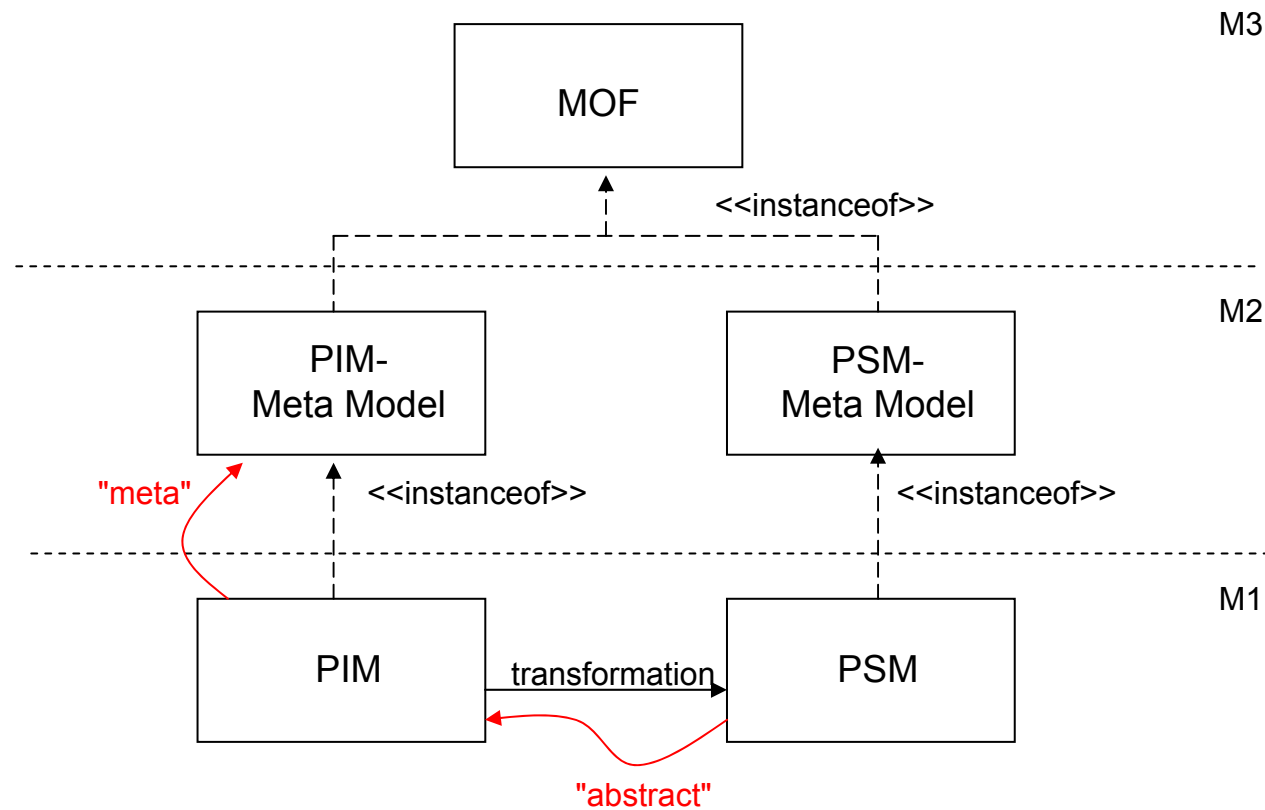
- 4-rétegű szerkezet – M3
- UML 2 – MOF 2
- Infrastructure – Superstructure



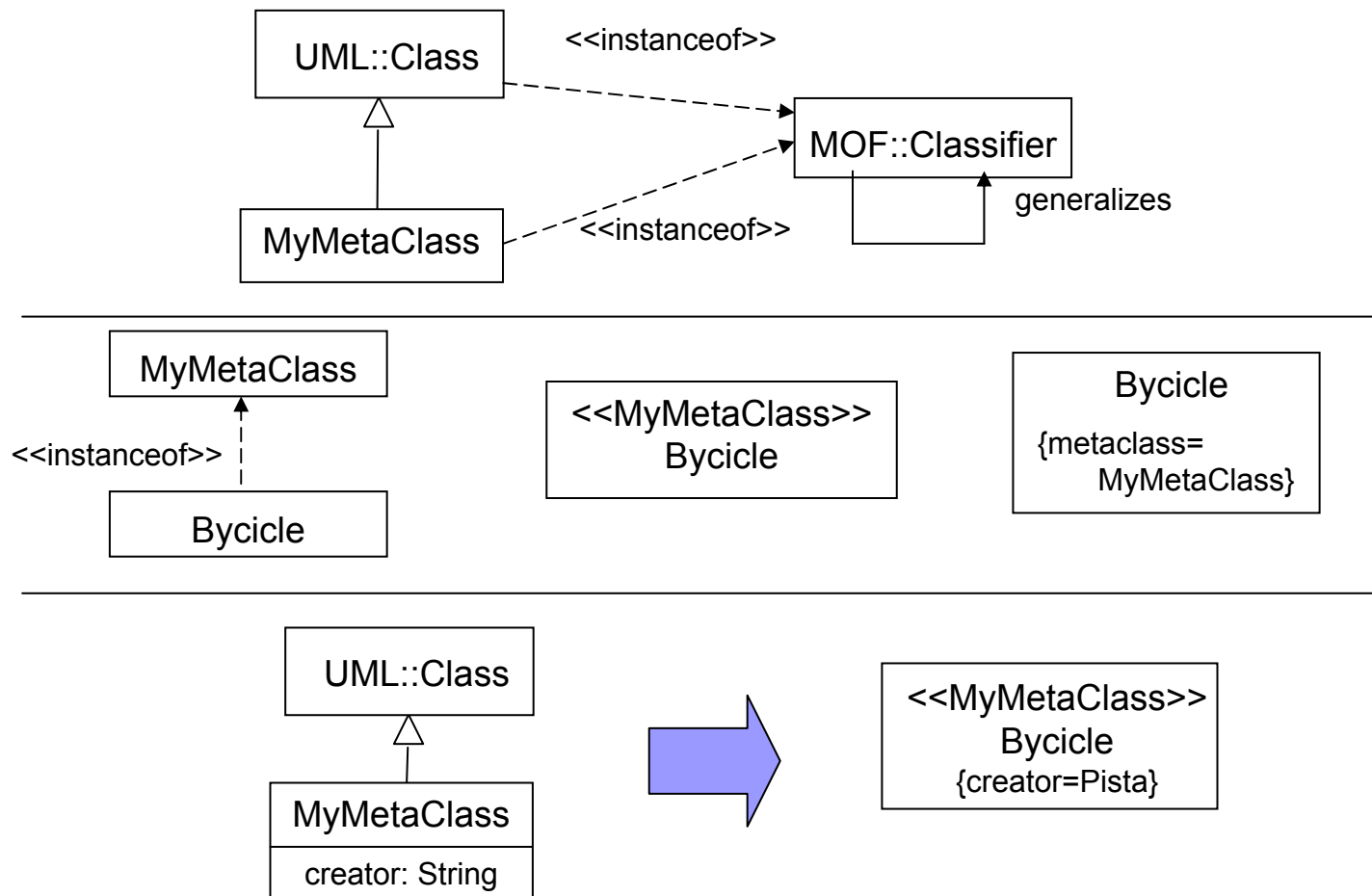
MOF – vázlat



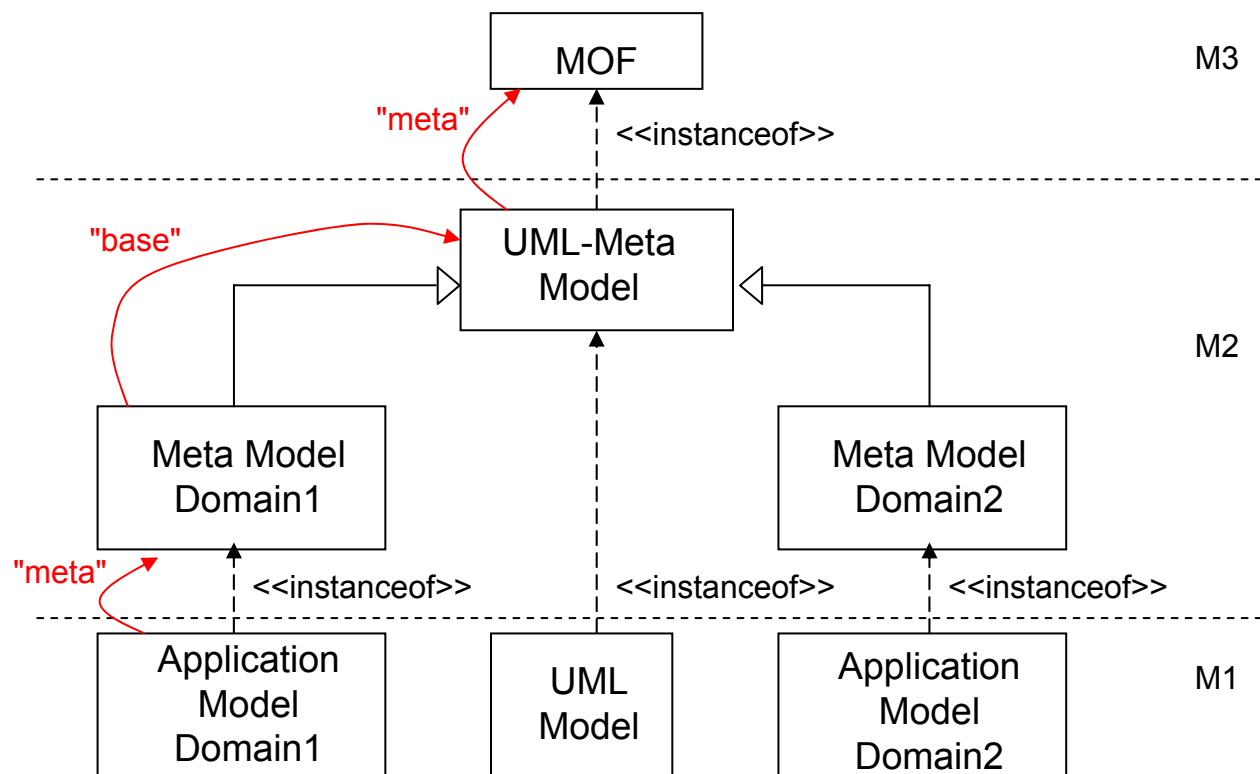
Meta vs. abstract



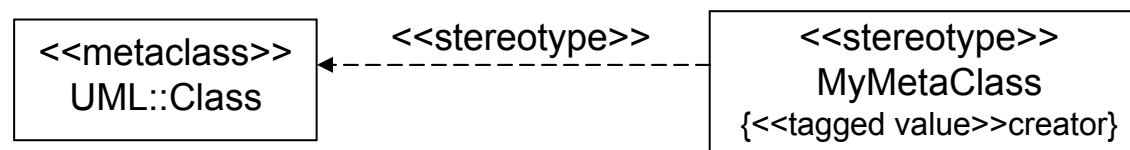
UML kiterjesztése - 1



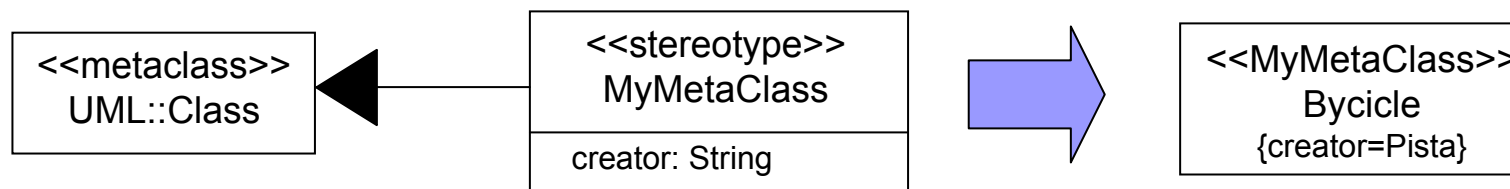
UML kiterjesztése - 1



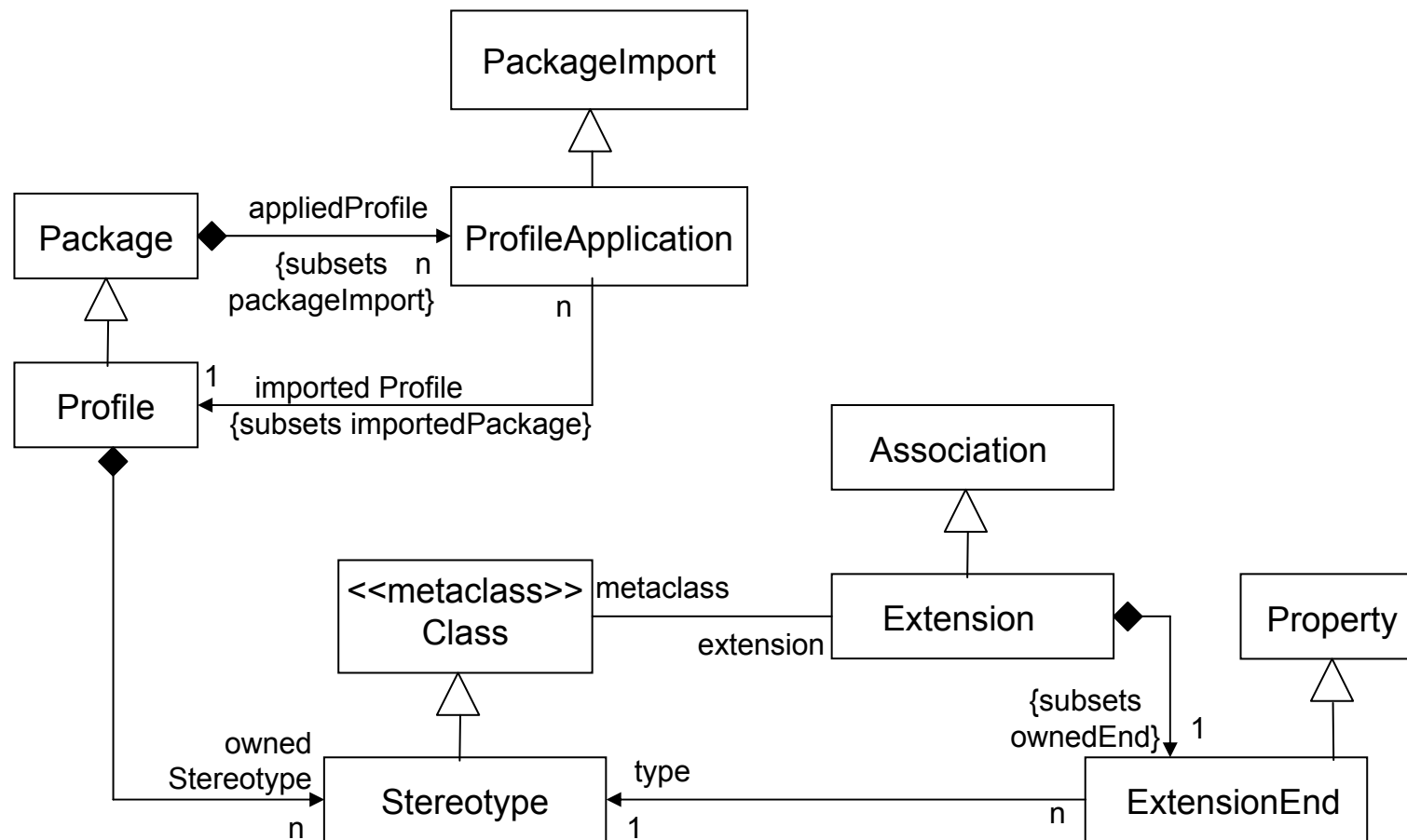
UML kiterjesztése - 2



■ UML2 Profile - extension

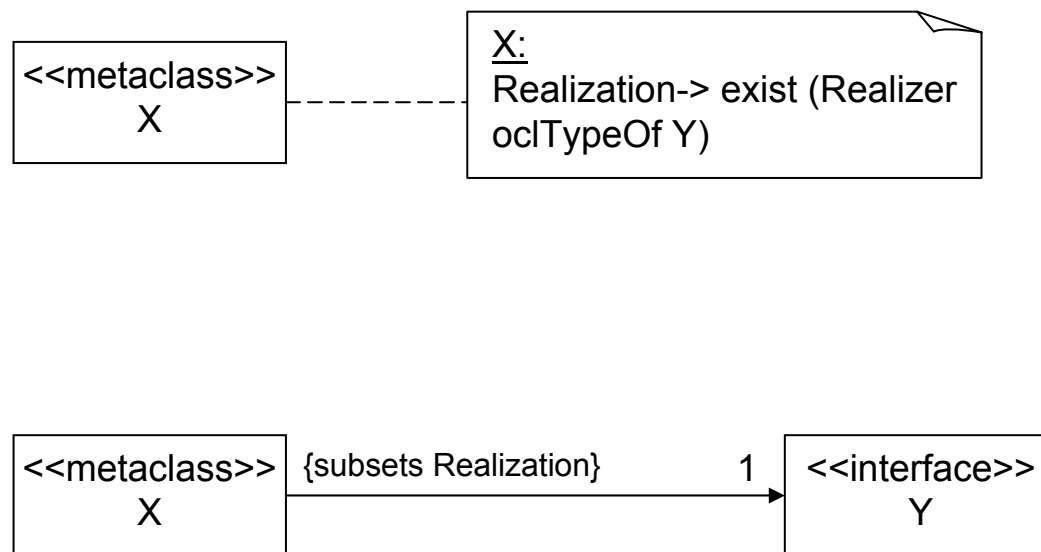


UML2 Profile



Metamodellezés - feladat

- Az **X** metaclass példányainak meg kell valósítani az **Y** interfészt



Metamodellezés - feladat

- Az **X** metaclass példányaiban legyen egy String **ID** attribútum

