

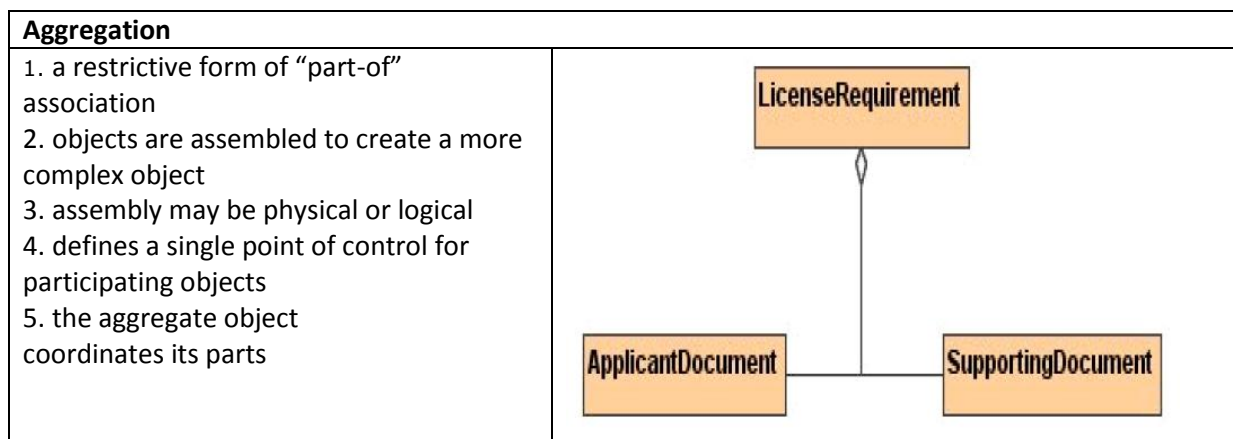
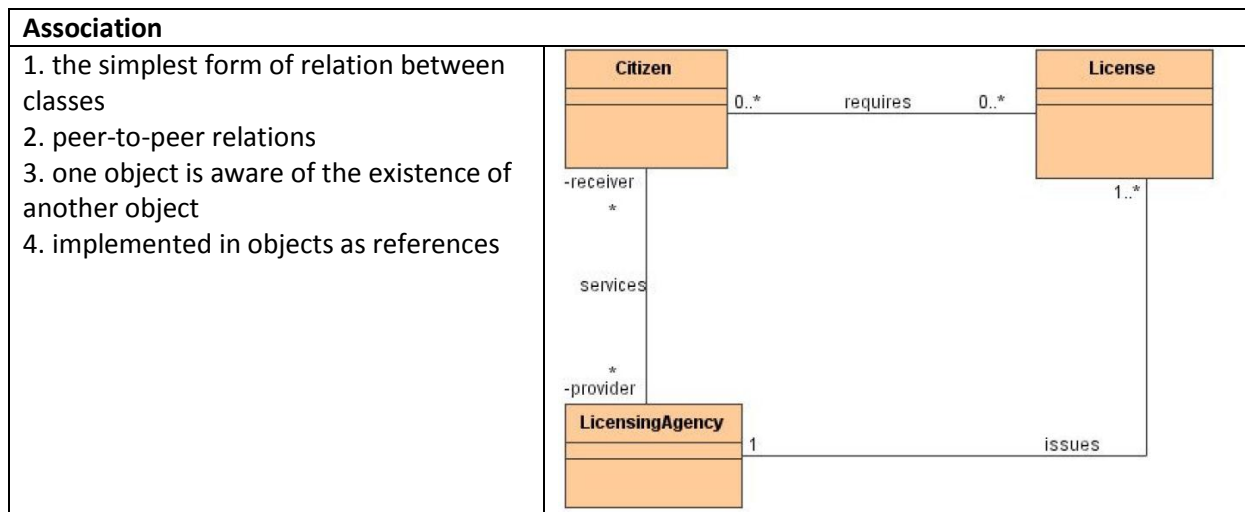
Упражнение 9 и 10: OO дизайн принципи и шаблони

Разгледайте проекта **Weather Station**! Направете UML диаграма на класовете, като означите всички класове и тяхната взаимовръзка! Използвани ли са OO принципи и шаблони?

Запознайте се със следните твърдения!

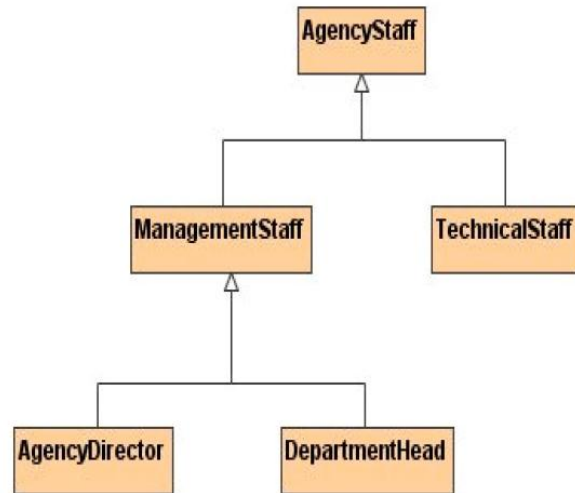
4 вида релации между класовете:

- 1) асоциация (association)
- 2) агрегация (aggregation)
- 3) композиция (composition)
- 4) генеризация (generalization)



Composition

1. a stricter form of aggregation
2. lifespan of individual objects depend on the on lifespan of the aggregate object
3. parts cannot exist on their own
4. there is a create-delete dependency of the parts to the whole



Generalization

- 1) a process of organizing the features of different kinds of objects that share the same purpose
- 2) equivalent to "kind-of" or "type-of" relationship
- 3) generalization enables inheritance
- 4) specialization is the opposite of generalization
- 5) not an association

