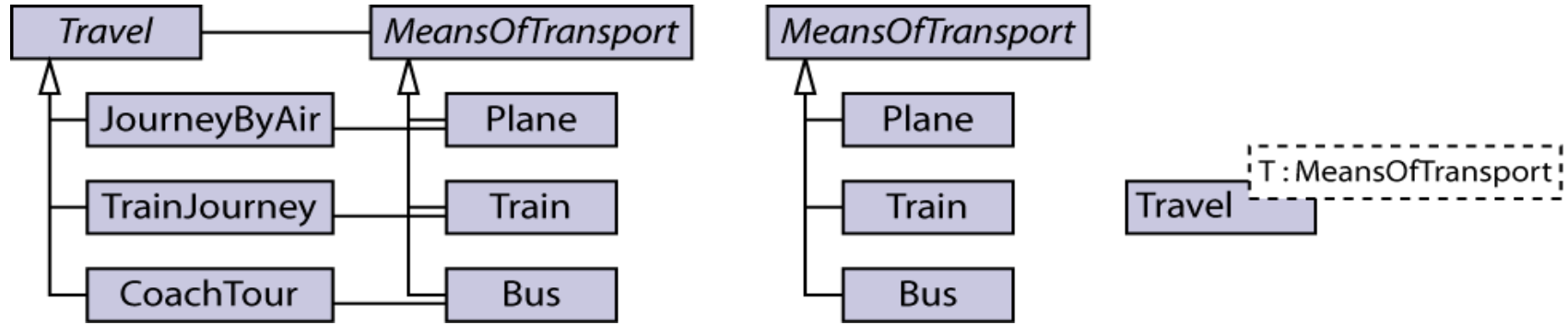


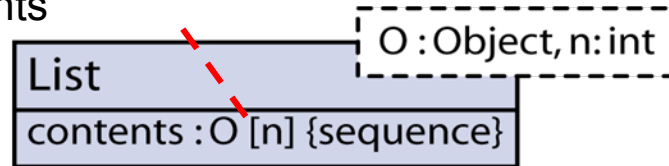
# Templates

**subtype** polymorphism vs. **parametric** polymorphism



exposed parameterable elements

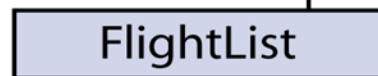
Template class  
(**ParameterableElement**)



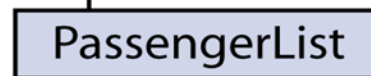
--- template parameters

template binding

<<bind>> <O -> Flight, n=20>



<<bind>> <O -> Passenger, n=300>

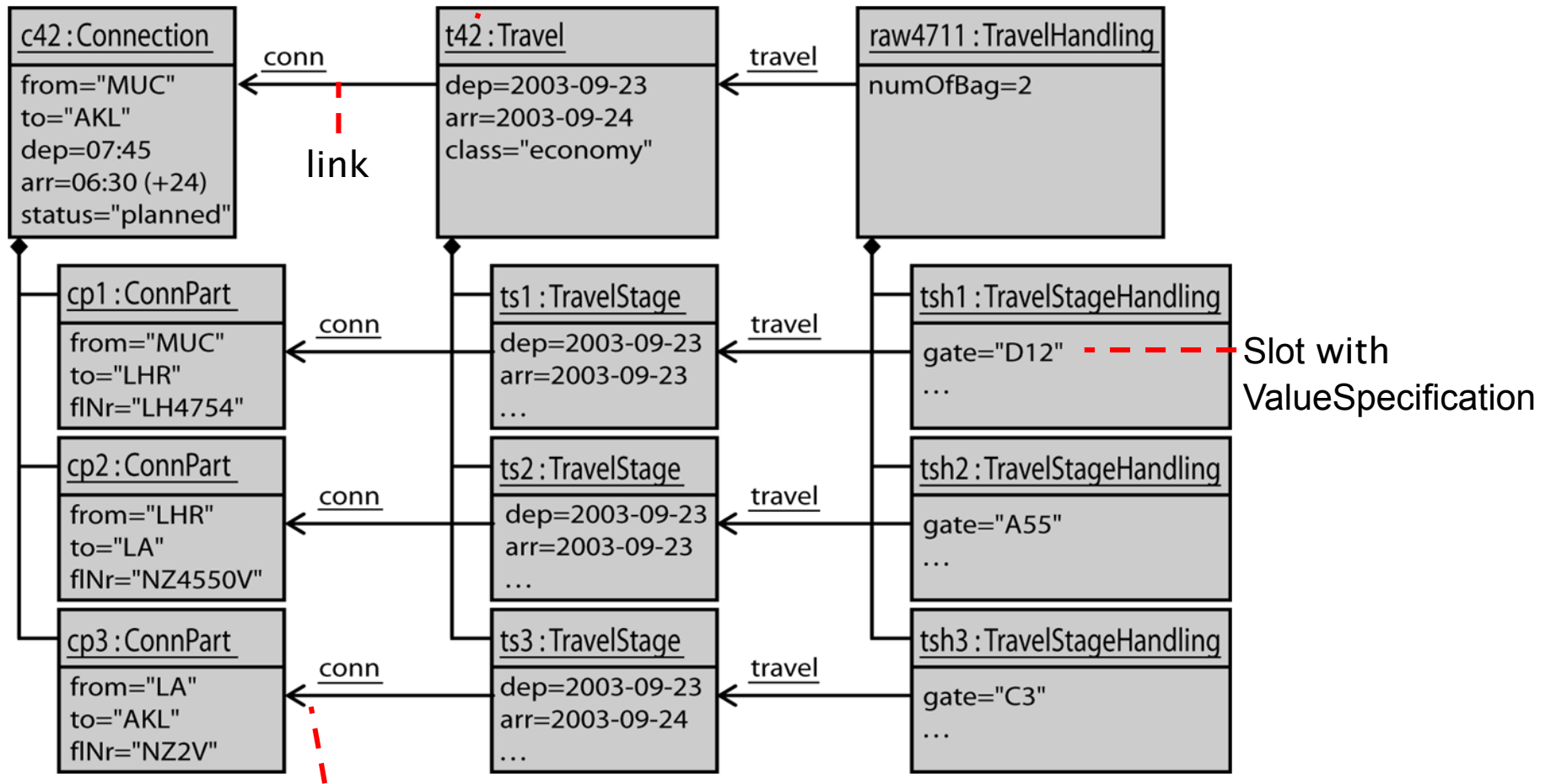


Bound class  
(**TemplateableElement**)

# Object diagram

InstanceSpecification

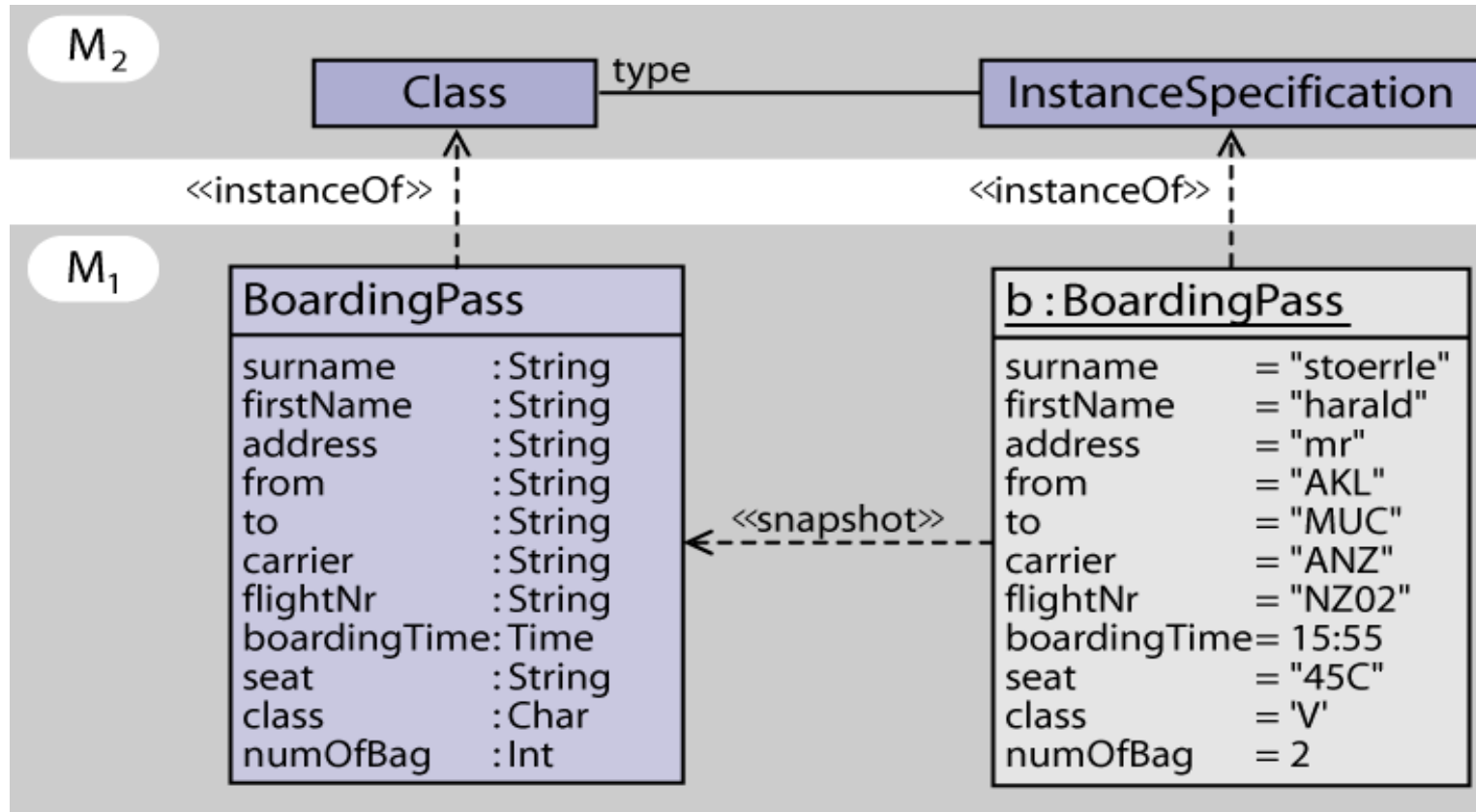
InstanceValue



underlining and association end adornments are optional

# Instances specifications

## UML metamodel



## user model

# Wrap up

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- **Classifiers** and their **Relationships** describe the vocabulary of a system.
- Classifiers describe a set of instances with common **Features**.
  - StructuralFeatures (Properties)
  - BehavioralFeatures (Operations, Receptions)
- **Associations** describe structural relationships between classes.
  - Association ends are Properties.
- **Generalizations** relate specific Classifiers to more general Classifiers.
- **Packages** group elements
  - and provide a Namespace for grouped elements.
- **InstanceSpecifications** and links describe system snapshots.