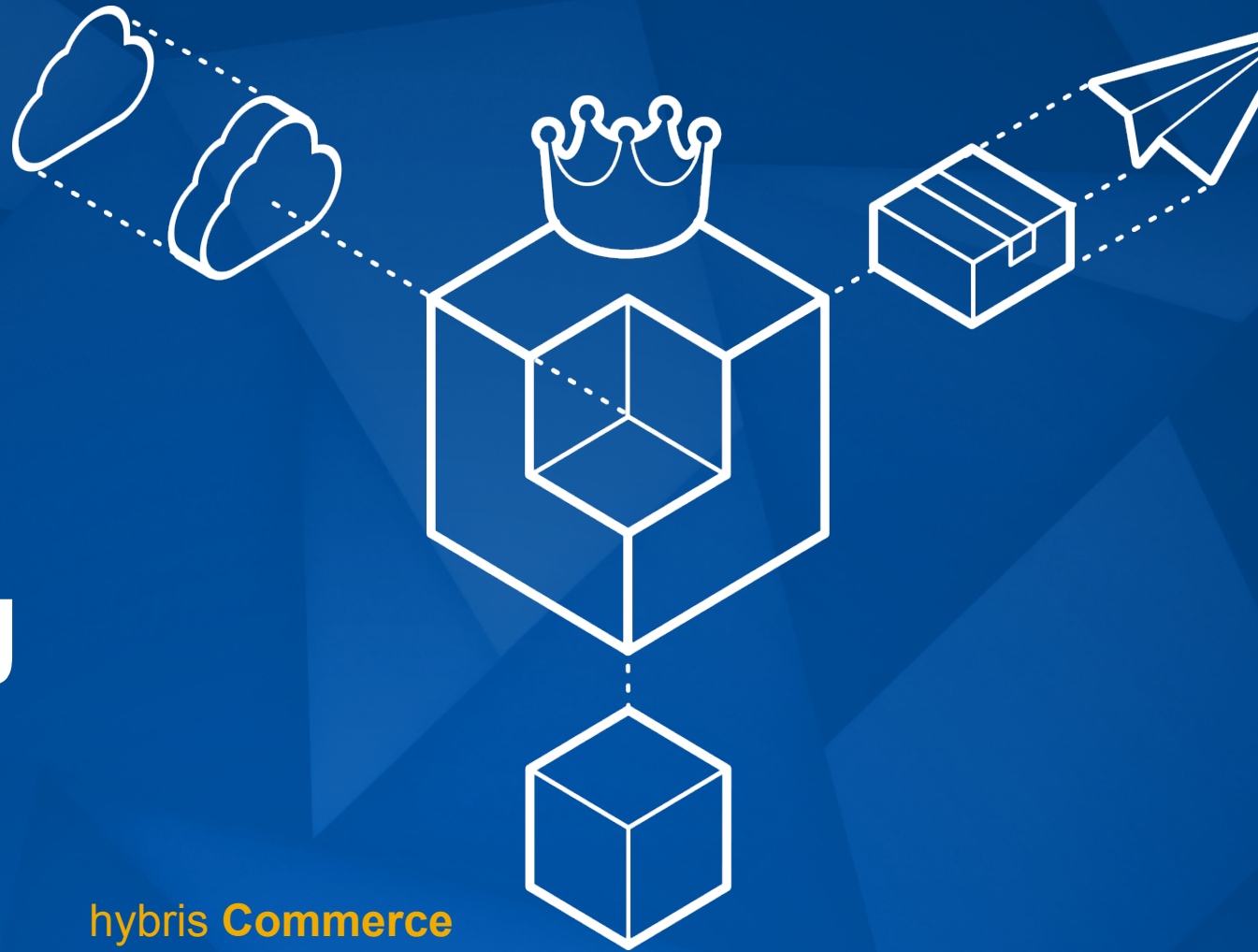




# (v) hybris software

An SAP Company

# Product Modeling

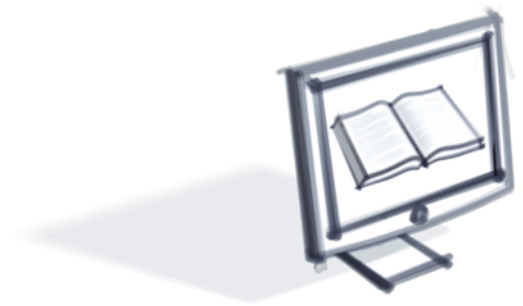


hybris **Commerce**  
**Developer** Training  
– Part I

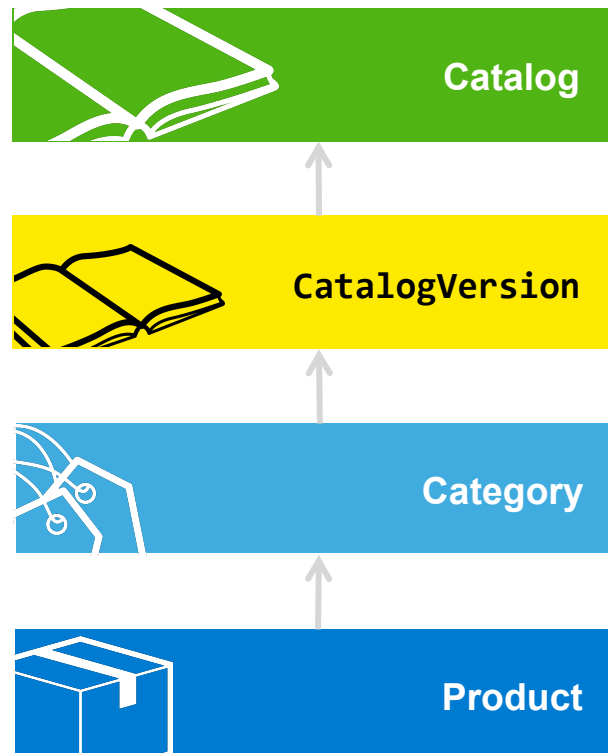


- Out-of-the-box support for:
  - Languages (localizations of business objects)
  - Countries and Regions (tax regulations)
  - Currencies (currency formats, rounding)
  - Number Formats (separation characters)
- Intuitive UI to manage localized items
- Standards-based API (Java Locale objects)
- Advanced features, such as Language packs, Language Fallbacks

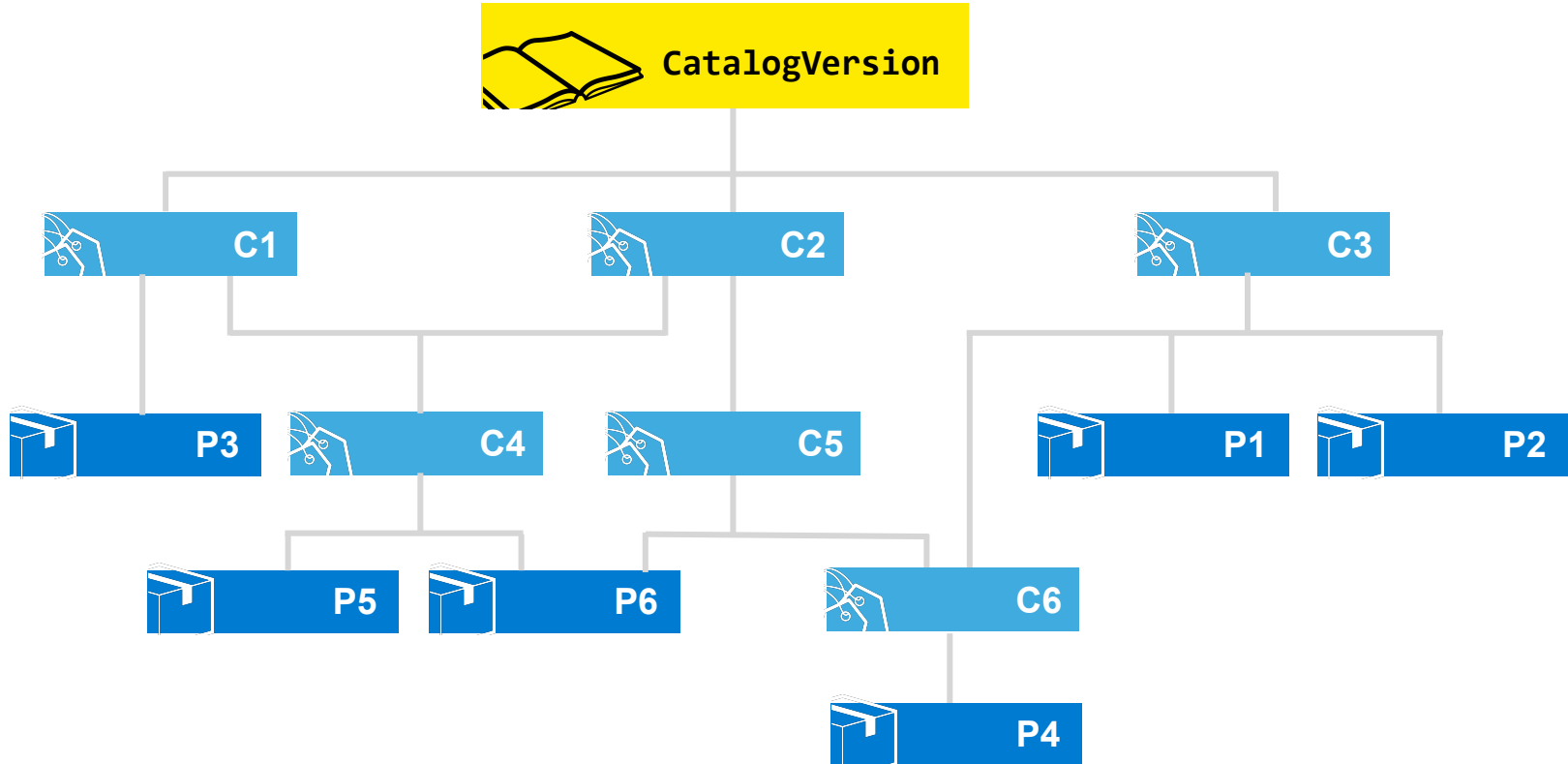
- Catalogs provide functionality to hold, structure and manage products and product information
- A catalog is a list of available catalog-aware items
- Products are typically the basic elements of each catalog
- Catalogs allow you to set up visibility
- Several catalog versions can be available in your platform

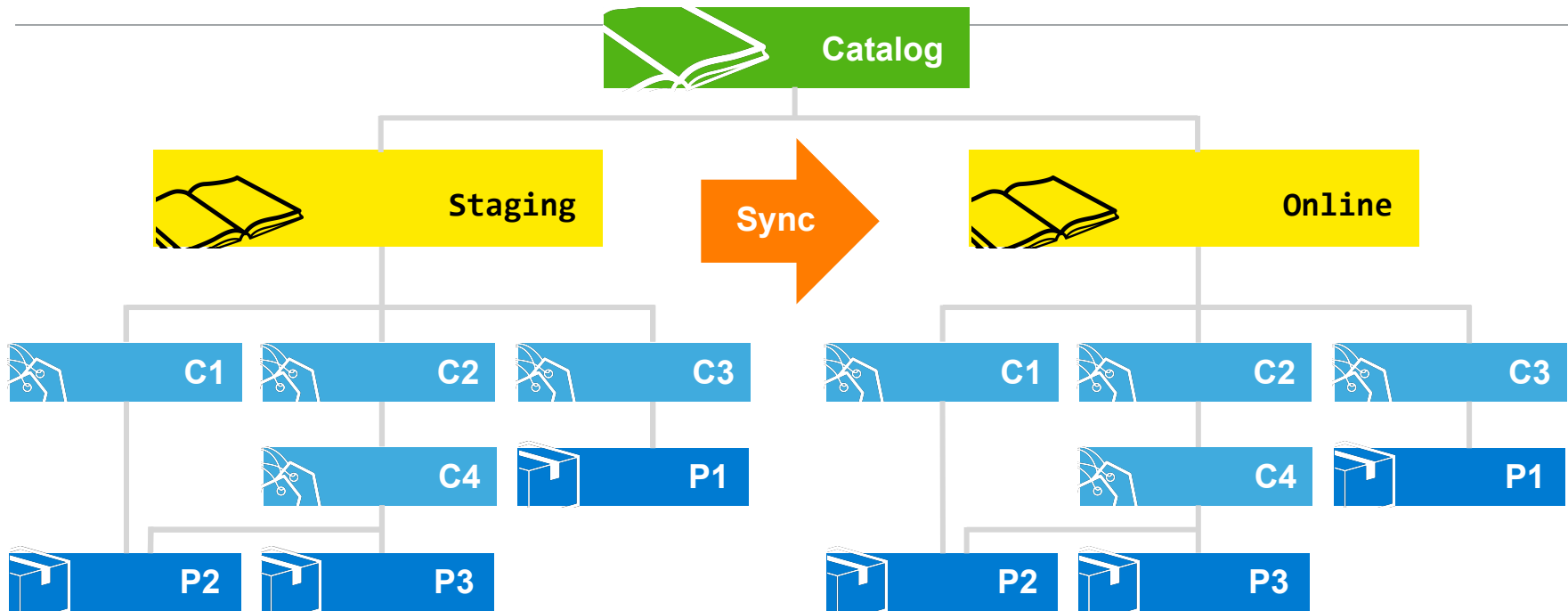


- A catalog contains one or more catalog versions (e.g. staging & online)
- A catalog version has a hierarchy of categories, containing products
- Products are the basic element of a catalog, and correspond to SKUs



- Categories can have multiple parent categories
- Products can belong to multiple categories

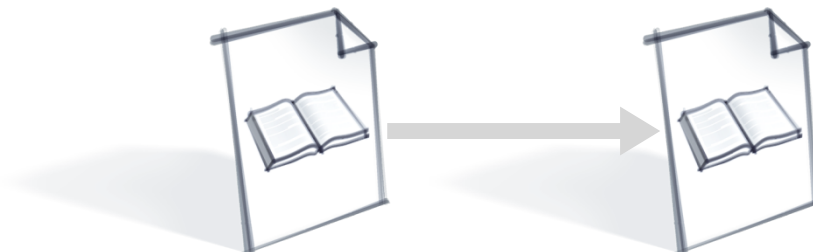




- Synchronization copies specified content from source to target catalog versions
- Referenced items are updated to their counterparts in the target version
- Synchronization can be launched either manually or through a CronJob
  - Can affect the entire catalog version, or only selected categories or products
- If needed, define rules to specify how product data should be copied to target



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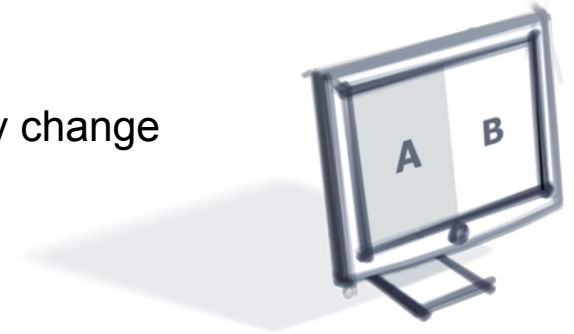




# Demo



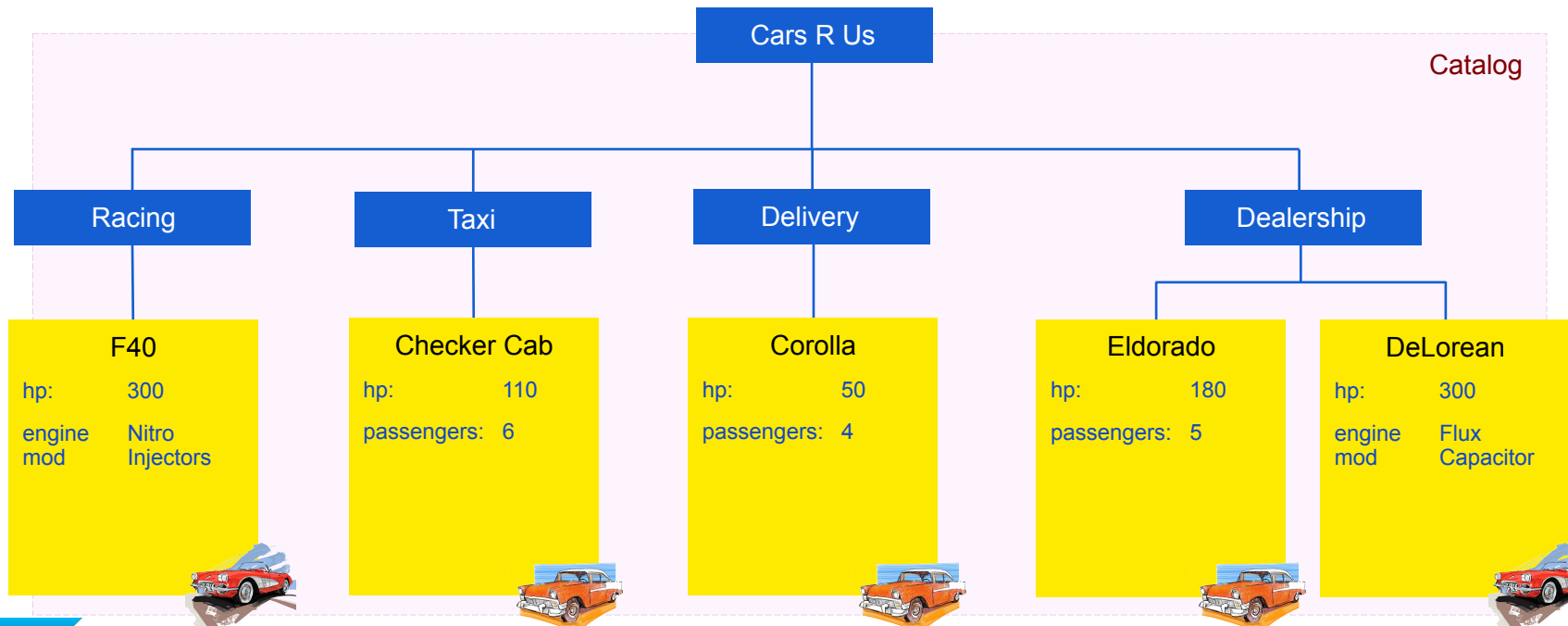
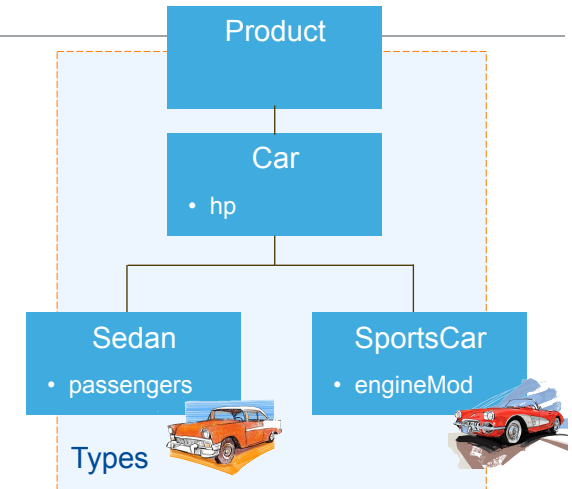
- hybris offers three ways to model your product data
  - 1. Variant products**
    - best for catalogs where products' attribute sets rarely change
  - 2. B2B multi-category product grouping**
    - provides more flexibility in defining attributes
  - 3. Classification**
    - allows your product attribute sets to be altered frequently or dynamically.



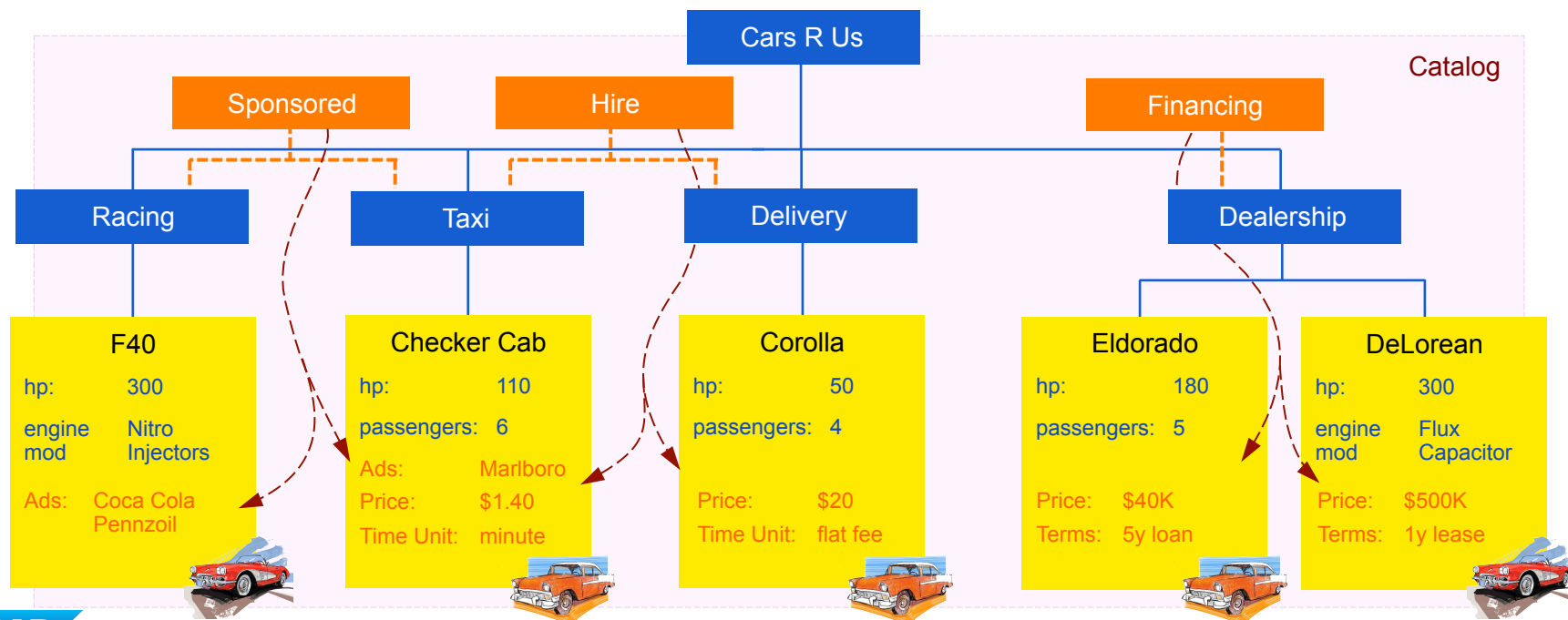
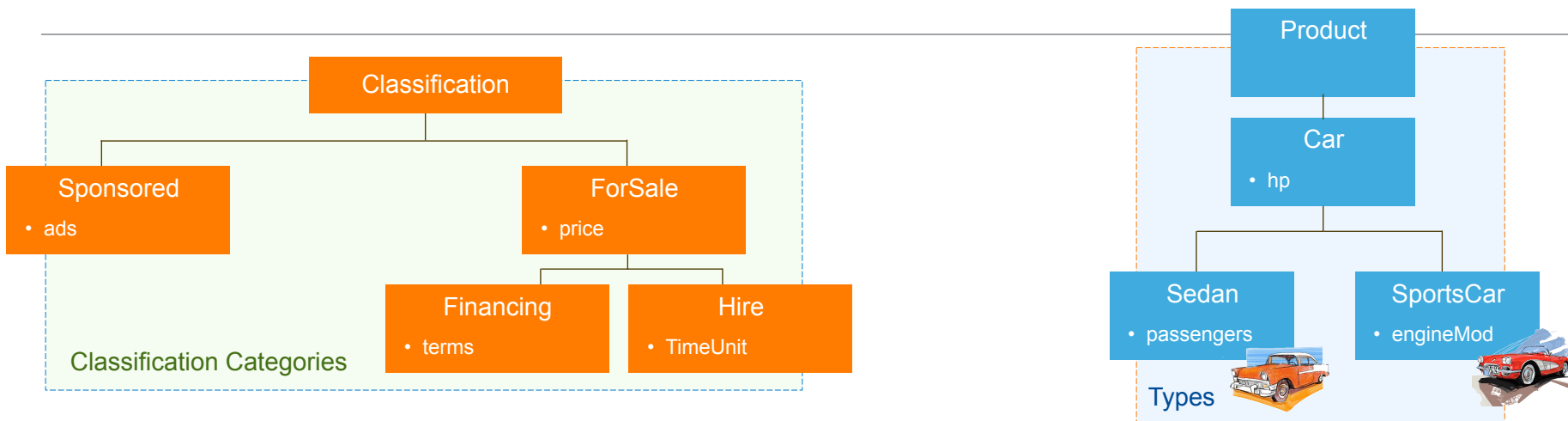
In this training we're going to focus only on classification.

- Classification helps simplify management of frequently-changing product data
  - child products gain the attributes defined for all classification category hierarchies it is assigned to.
- Classification systems are independent of product catalogs
- Multi-classification is supported

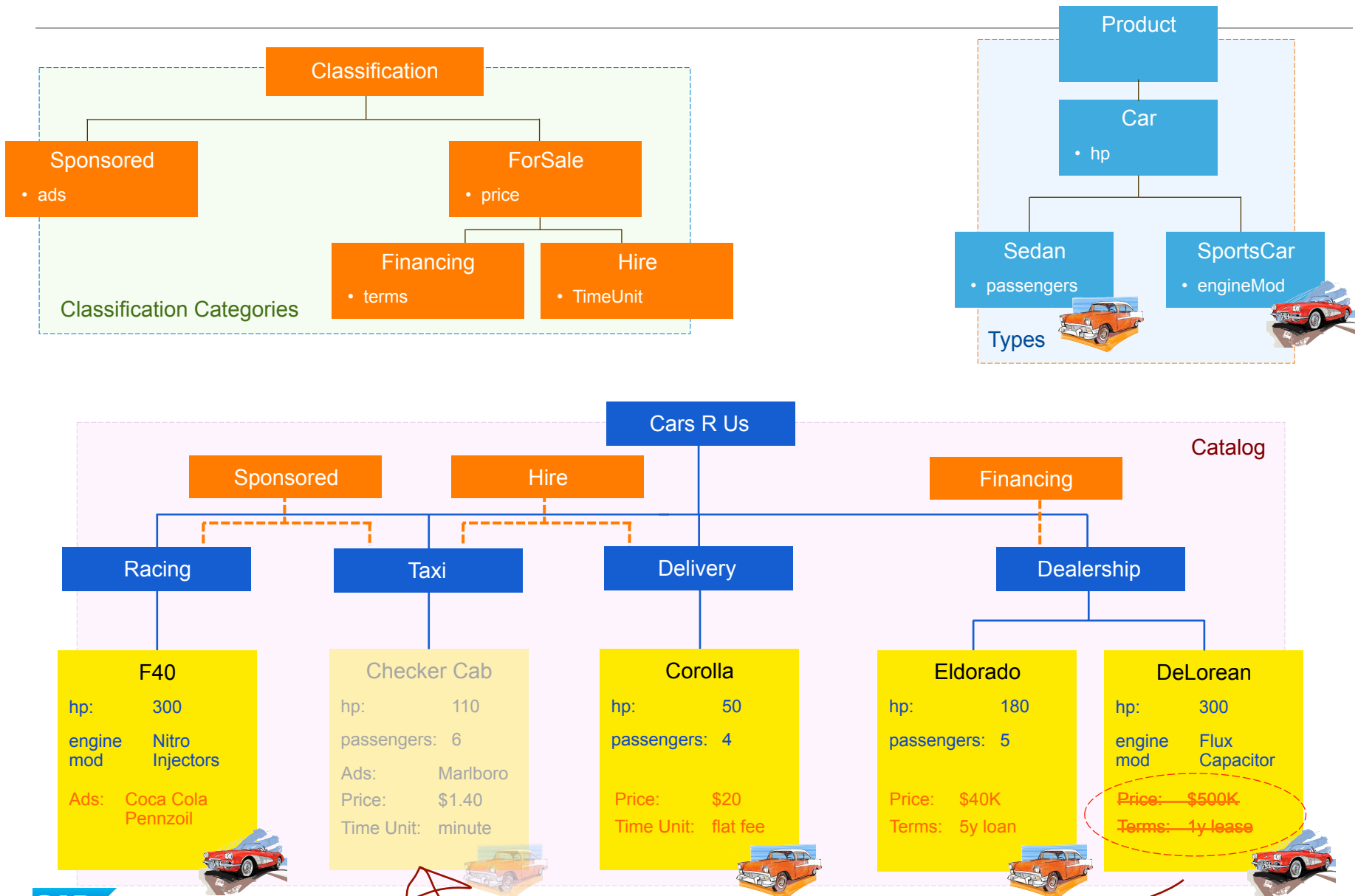
# Add Properties by Extending the Type System



# Add Properties using Classification Categories

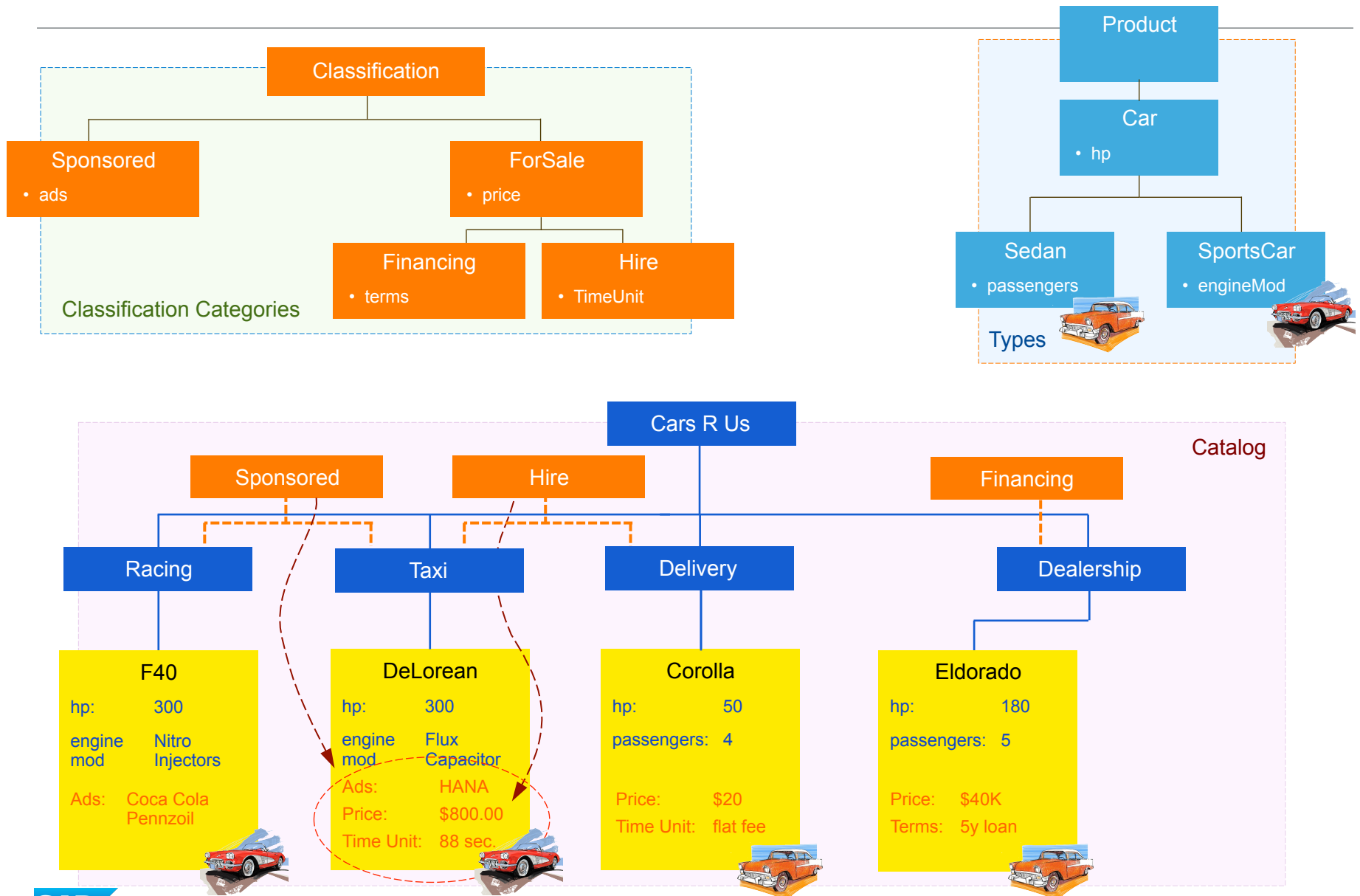


# Reassign Product • 1





# Reassign Product • 2

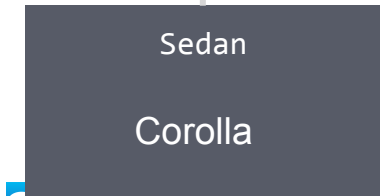
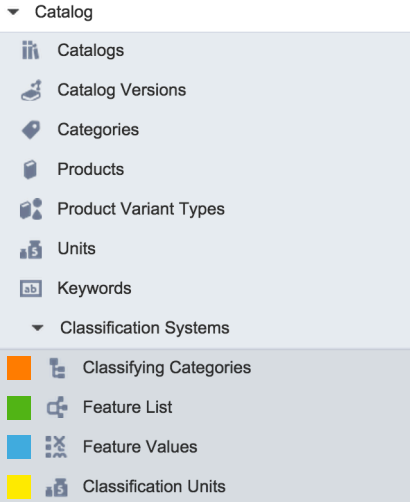


## ▼ Catalog

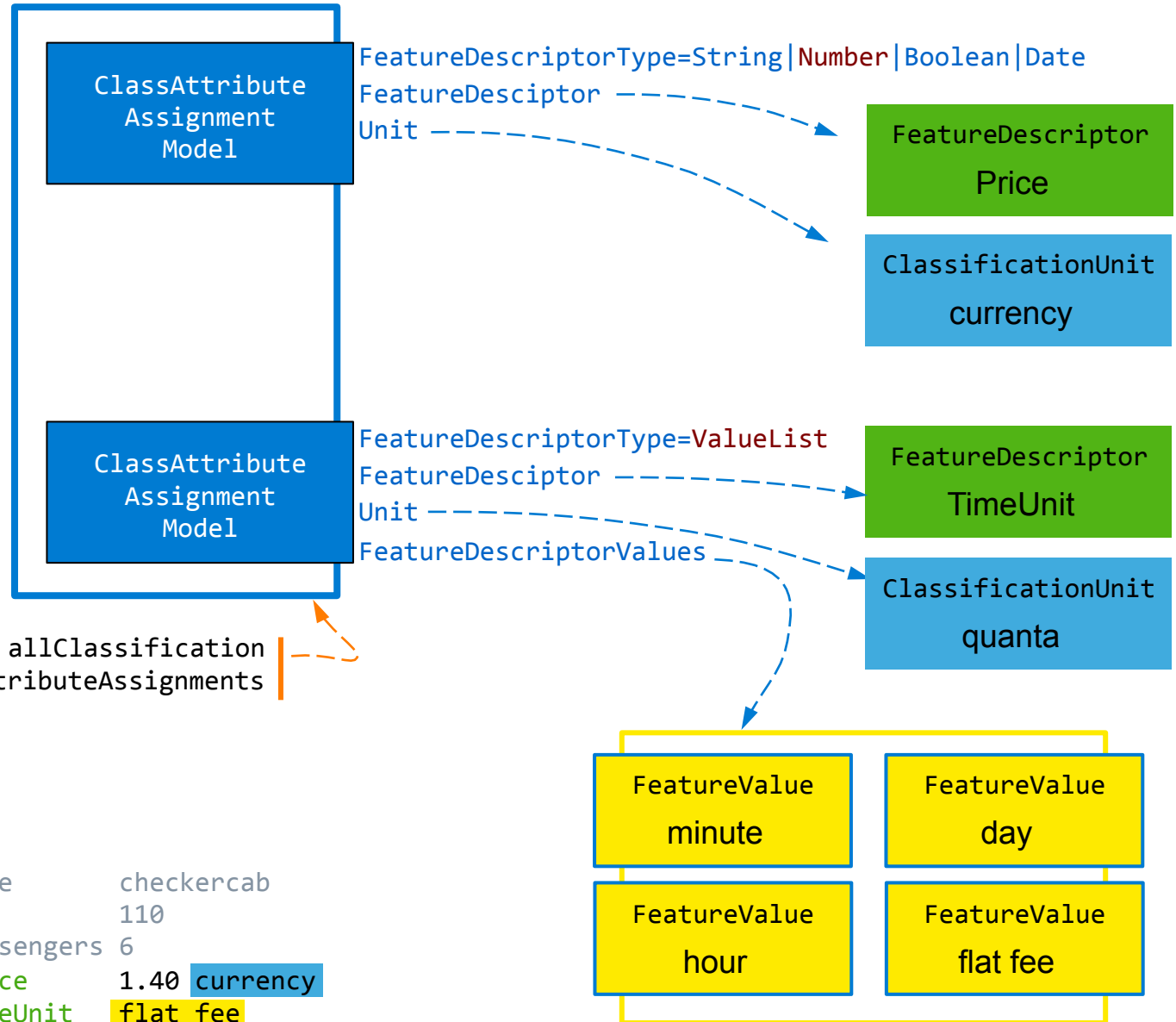
- Catalogs
- Catalog Versions
- Categories
- Products
- Product Variant Types
- Units
- Keywords
- ▼ Classification Systems
  - Classifying Categories
  - Feature List
  - Feature Values
  - Classification Units

- Classifying Categories keep track of the properties they confer in a list `ClassAttributeAssignmentModel` objects
  - Each contains a reference to:
    - a Feature descriptor (required)
    - a Classification Unit (optional)
    - an array of Feature descriptor Values (optional)
- The Feature Descriptor identifies the property
- The Classification Unit can be appended to value when it is displayed — inches, kilograms, Mb, etc.
- The Feature Descriptor Values provide valid choices for the property, much like an enumeration

# Elements of a Classification System



code	checkercab
hp	110
passengers	6
price	1.40 currency
timeUnit	flat fee
...	



# Accessing the ClassAttributeAssignmentModel

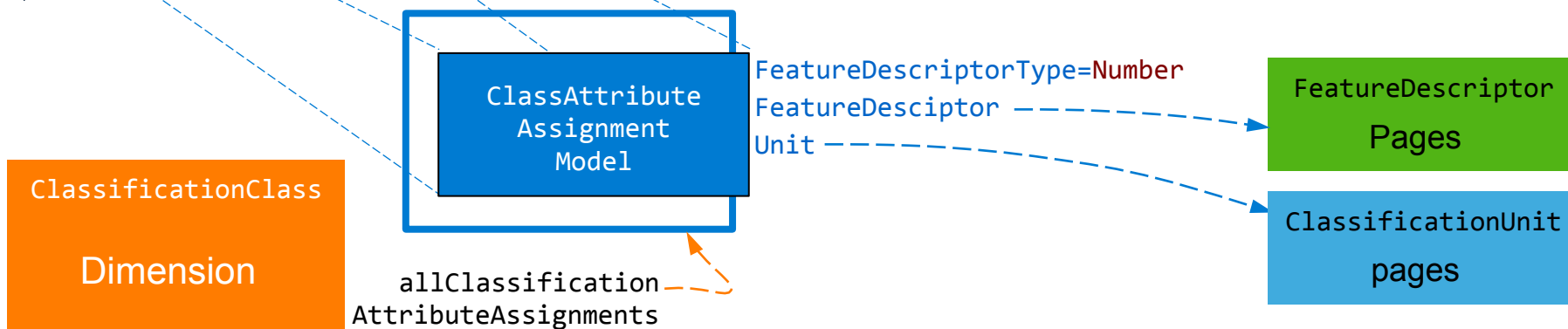


Dimension Classification - Bookstore Classification System : 1.0

General **Class Attributes** Category Structure Multimedia Catalog Versions hMC Layout Adaptations Administration

Identifier: dimensionclassification Name: Dimension Classification External ID: Classification System Version: BookstoreClassification : 1.0

Assigned Features: dimensionclassification - pages - Pages Show empty features: True False





# Demo

# Exercise 3

