



Object Lookup





Why Do We Need to Look Up Objects?

- Translate keys to object references



Implementation

- B-tree
- Hash map
- Binary search tree
- Sorted table
- Etc.



Where to Put Lookup Operation

- Singleton, stand-alone object
- Classifier scope (static) operation in class of objects being searched for



Example

- From storefront application

Product
sku : int {unique} <u>lookup:map(sku,Product)</u>
<u>getProduct(sku:int):Product</u>



Next

- Implementing generalization-specialization

