

Procedural

Paradigm

Object-Oriented

Data \leftrightarrow key-value DB
Function. \leftrightarrow Table
by package

NoSQL

CRUD

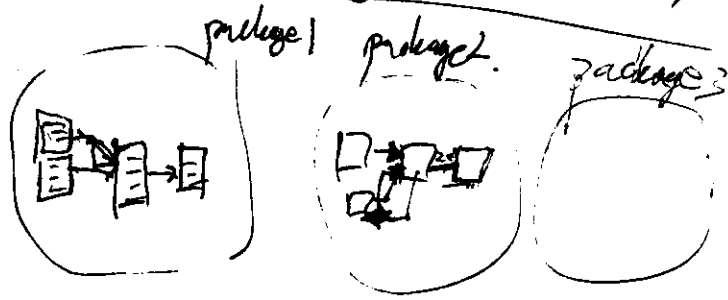
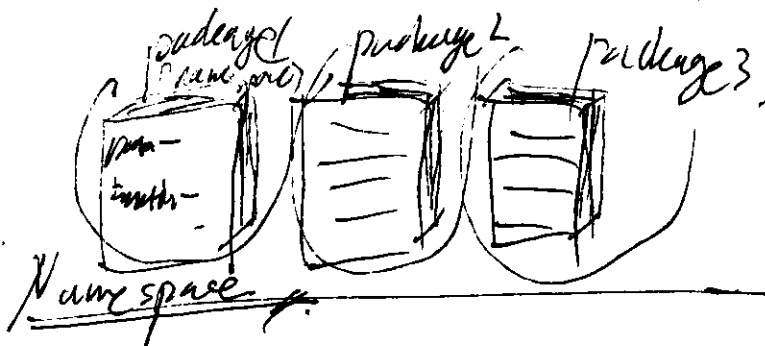
(Encapsulation!)
Abstraction
Object class

SQL

relational

DB

Table



N/A

Inheritance

Composition

Association

is a \rightarrow Relational DB
has a \bullet \rightarrow Canonical by dependency
works with $-$

CRUD

Dependency

C & Python

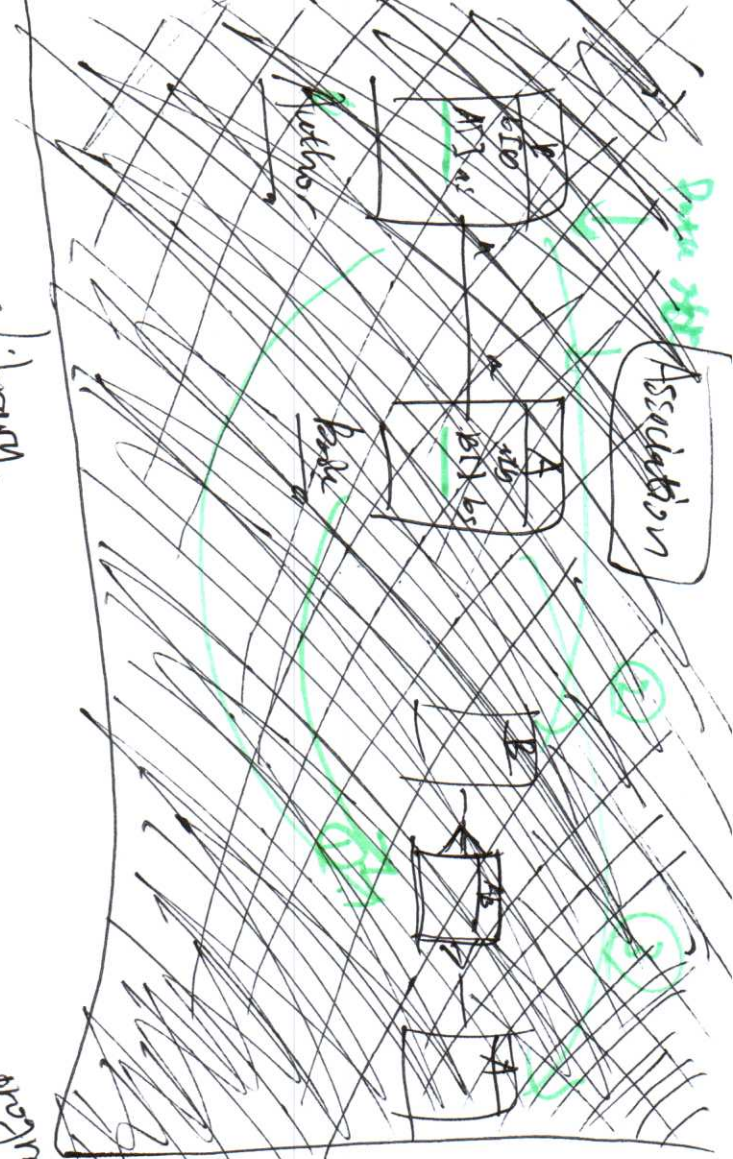
Programming Lang

Java & C#

Top down.
Statically Typed
Imperative

Statically Typed
Imperative

CRUD

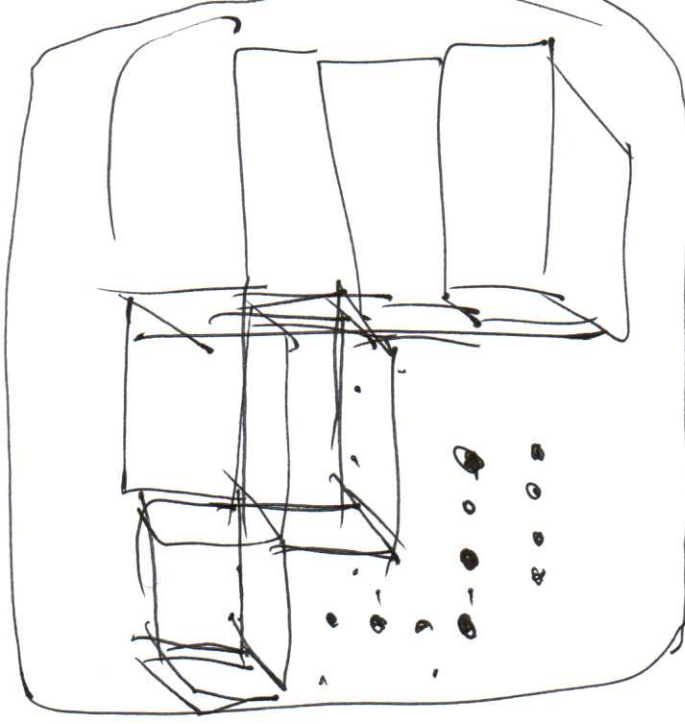


Association

Author

Book

Library

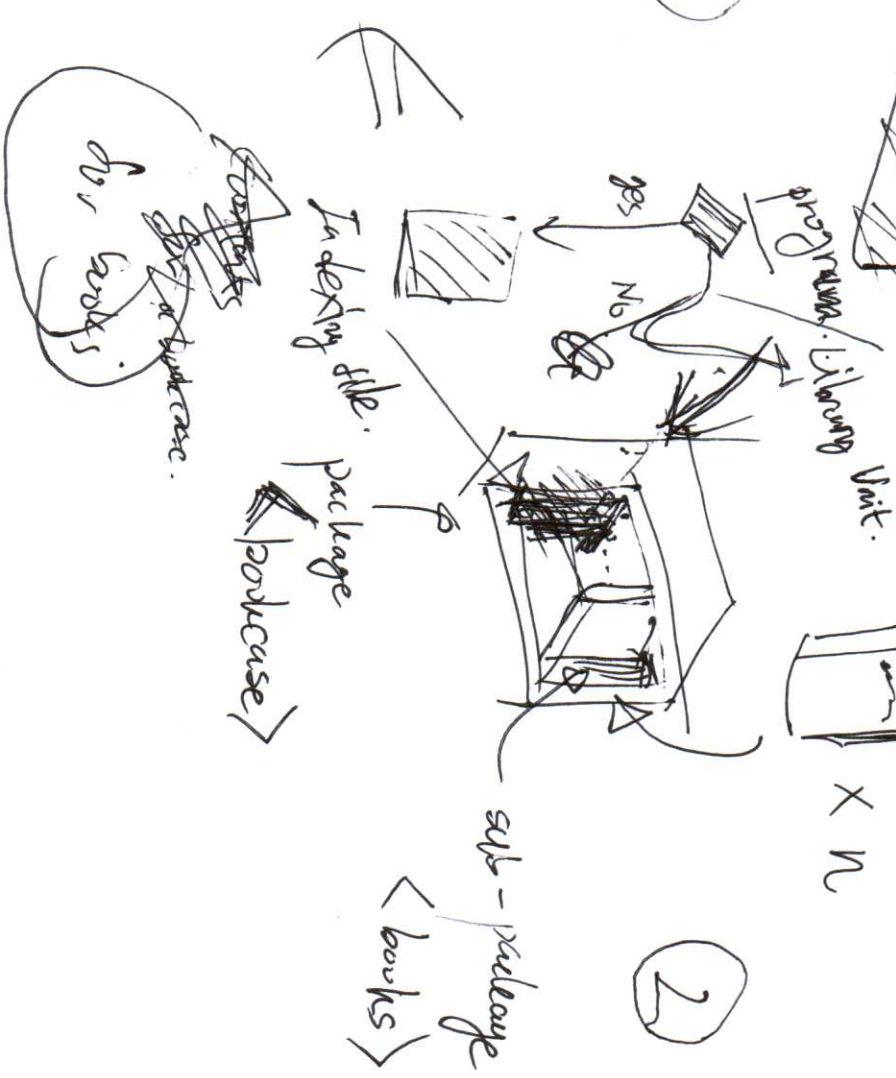


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1



2



for books