adlib
The easy way to knowledge

Inside Adlib

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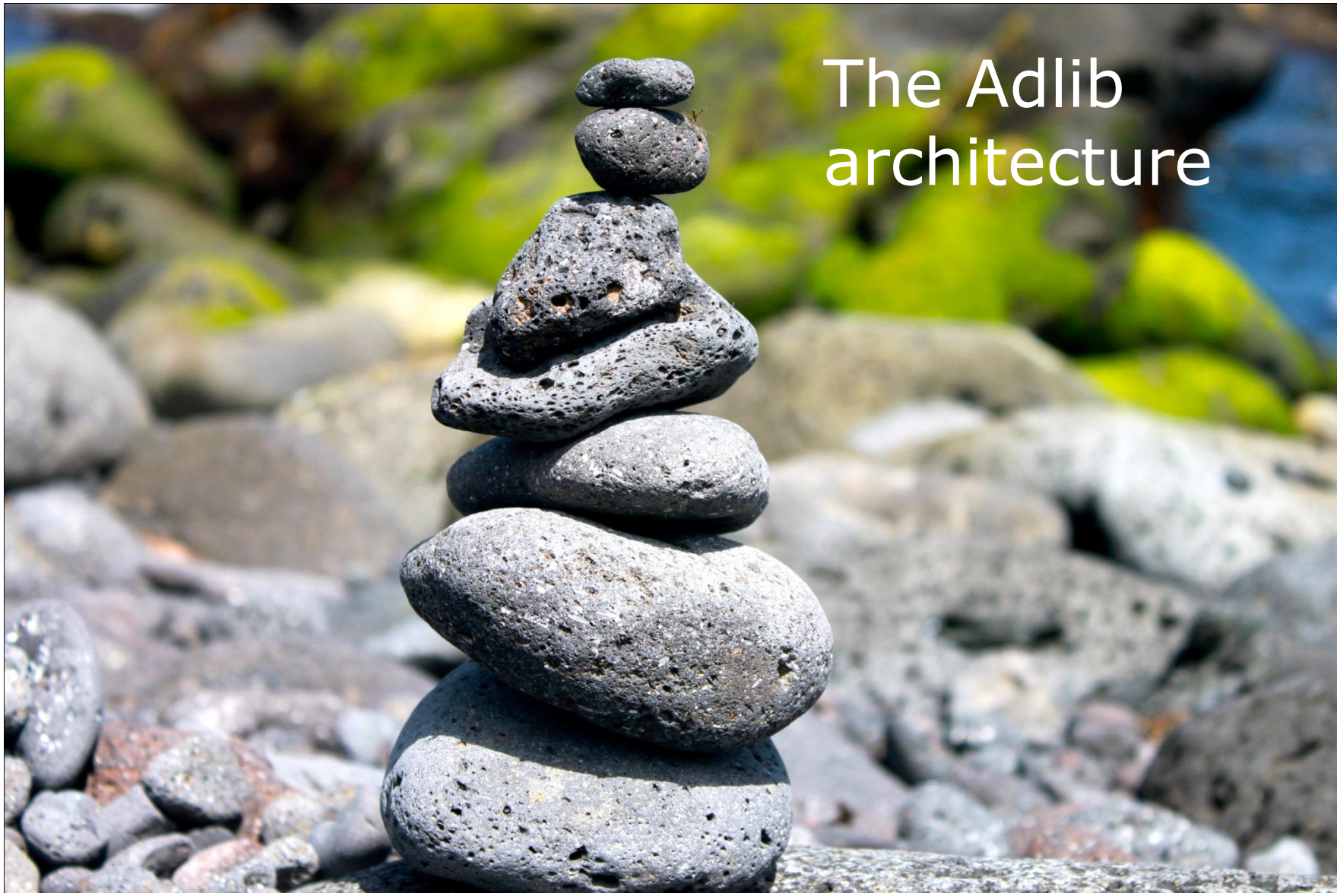

The Adlib architecture

Data

Organised in tables

Tables contain records, stored in XML

All records in the same table are of the same record type

Records can be access controlled

Examples:

objects, books, people, thesaurus terms

Fields

Fixed length or unlimited length

Have a field name (multilingual) and a 2 character tag

Can be repeated

Can be multi-lingual

Can be grouped

MUST be indexed for searching

Indexes

Can index 1 or more fields

One field can be in multiple indexes

2 major index types : *word* and *term*

Are updated instantly after a record write

| term indexes index the complete content of an occurrence |

| word | indexes | chop | up | texts | in | single | words |

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SEARCH
is
the
CORE

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Leaf : Simple search

FieldName operator SearchValue

Operators: ‘=‘, ‘>’, ‘<‘, ‘=>’ or ‘=<‘
Use quotes when searching for values with spaces
Use comma ‘,’ to search for multiple values ‘or’
Or ‘+’ for ‘and’
Or ‘-’ for ‘but not’
Asterisk ‘*’ as wildcard (left, right middle)

Branches: Boolean searches

SimpleSearch
booleanOperator
SimpleSearch

Boolean operators ‘and’, ‘or’, ‘xor’, ‘and not’, ‘when’
‘and’ has precedence over ‘or’
Use parenthesis to define your own precedence

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Special searches

all

Randomize results

random nnn [seed]

nnn determines number of returned records
seed = start number for algorithm
Same seed means same result

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Date searches

Fieldname operator today [+|- nn]

Operators: ‘=‘, ‘>’, ‘<‘, ‘=>’ or ‘=<
Field must be a date type
nn = number of days to add / subtract from today

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Language specific searches

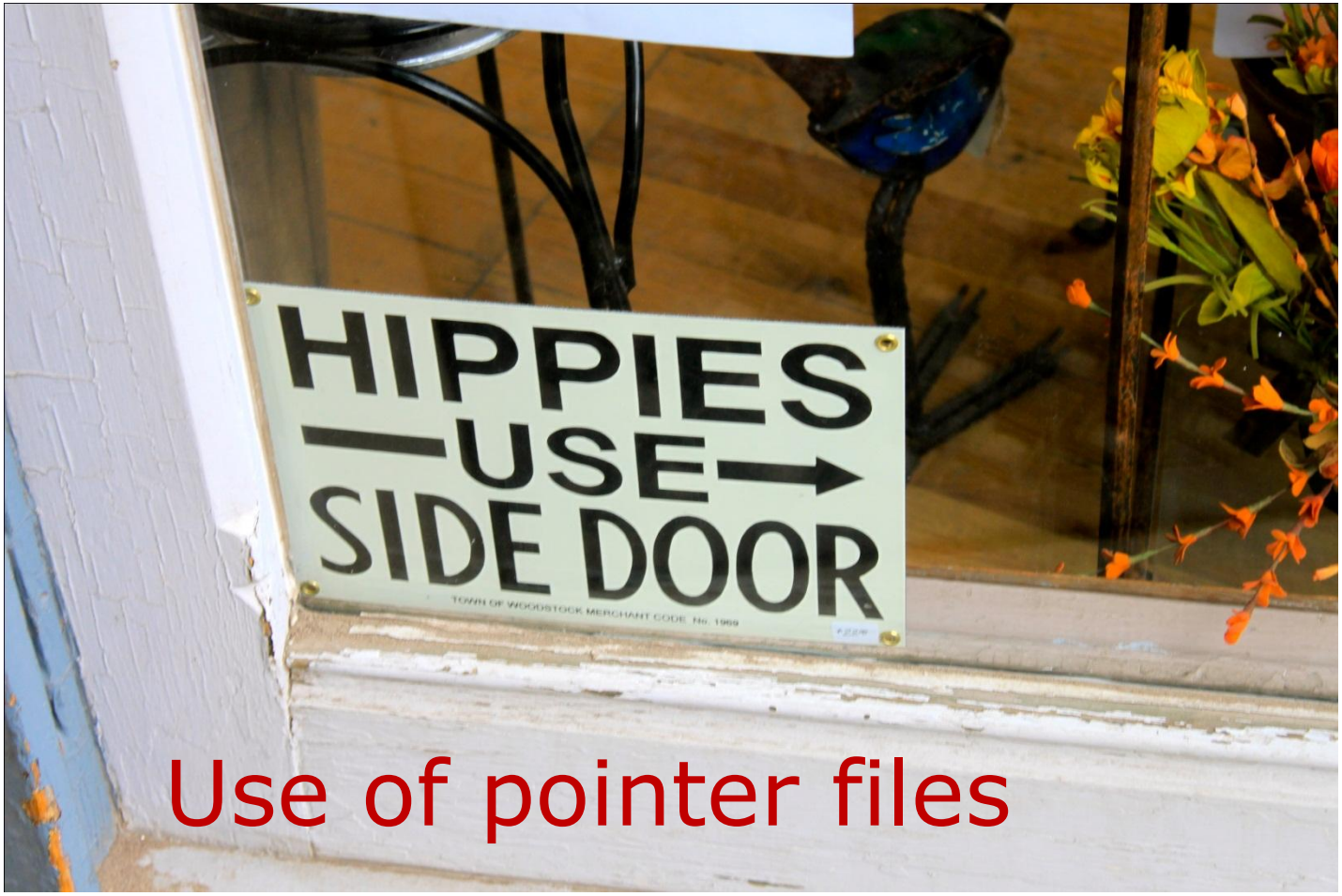
fieldName[isoCode] operator value

Valid for multilingual fields only
isoCode determines language
title[DE-de] = ‘das’

Linked table searches

fieldName->fieldName operator value

For linked tables
Second field name is the field in the linked table
creator->birth.year = 1920
Can follow multiple links



Use of pointer files

Pointer files

pointer nnn

pf's are stored search results
Aka 'persistent sets'
Retrieves the *result* from a previously stored search

Pointer files

profile nnn

Reruns the *search statement* from a previously stored search

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sorting

sort fieldName
[ascending|descending]