

Viewsception

three levels deep





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A Drupal user



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The Drupal Way

More Tools == More Building

Get better; Learn something

1. Think deeper about content structure
2. Expand your Views toolbox
3. No more duplicate duplicate results
4. Modular Views Concept

F
O
C
U
S



Data Modeling

Entity Tables

Rows

Columns

SQL

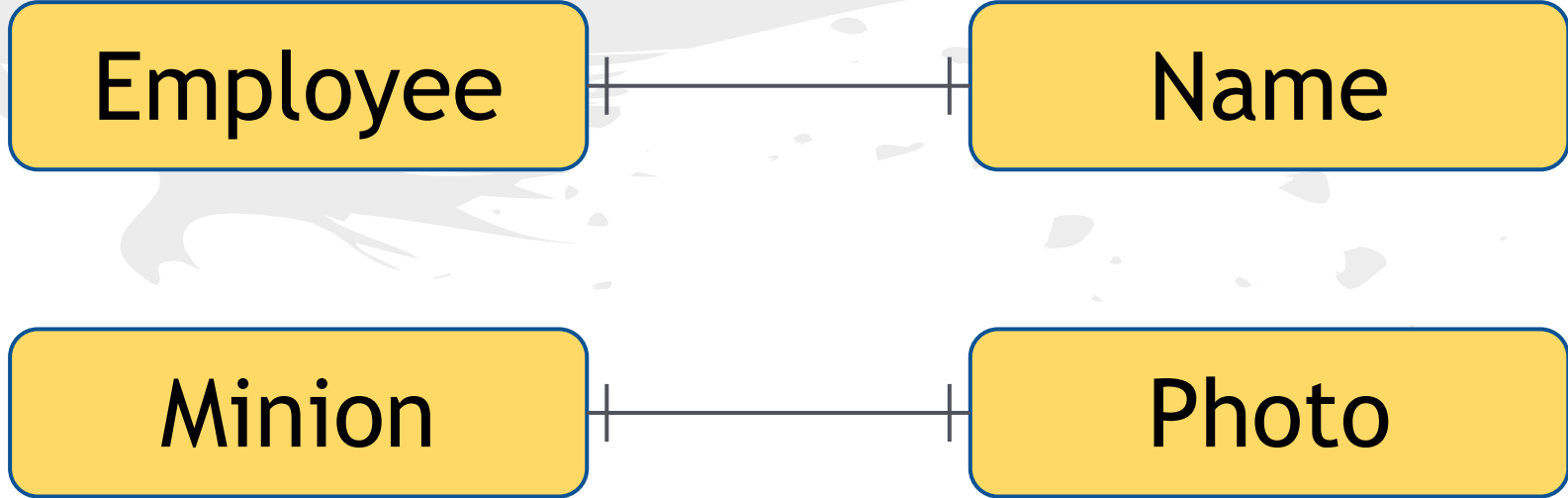
Cardinality

Attributes

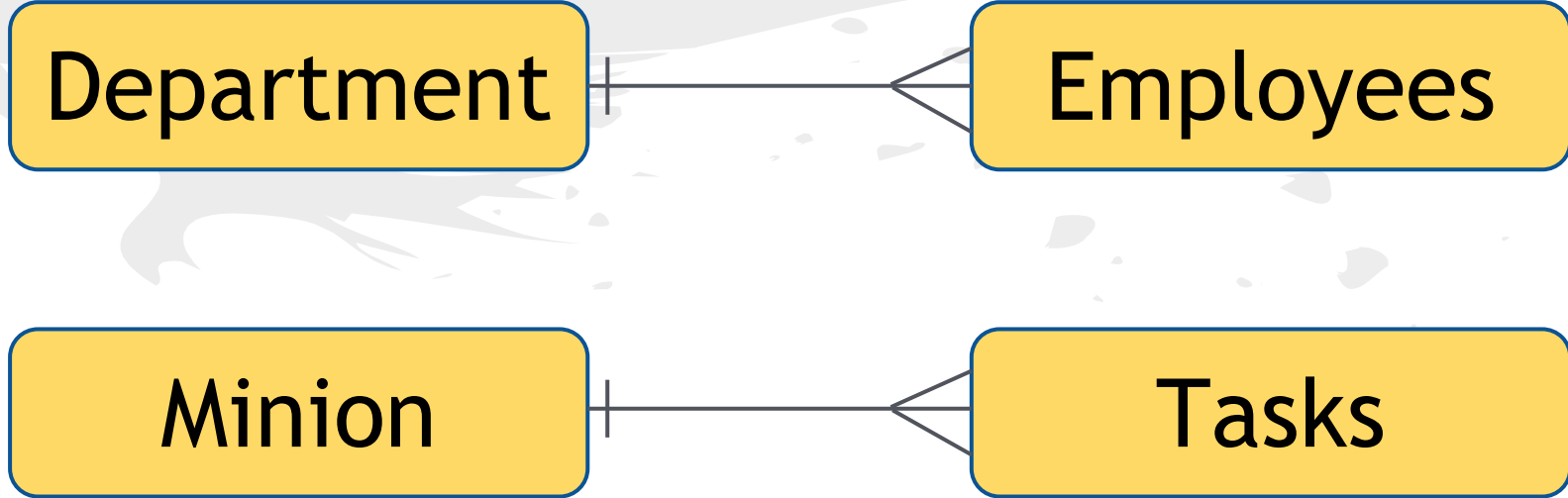
Primary Keys

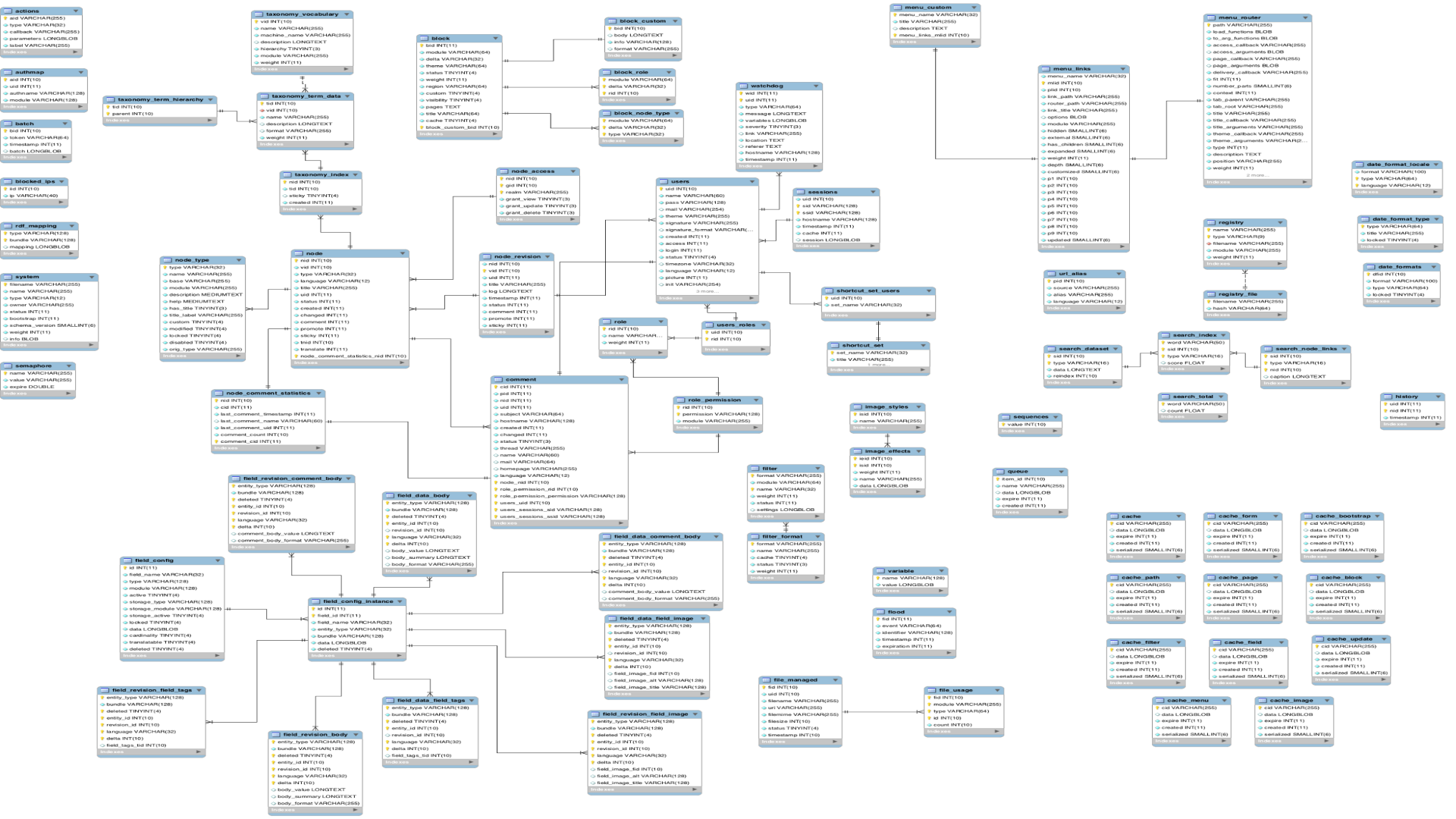
Relationships

One-to-One

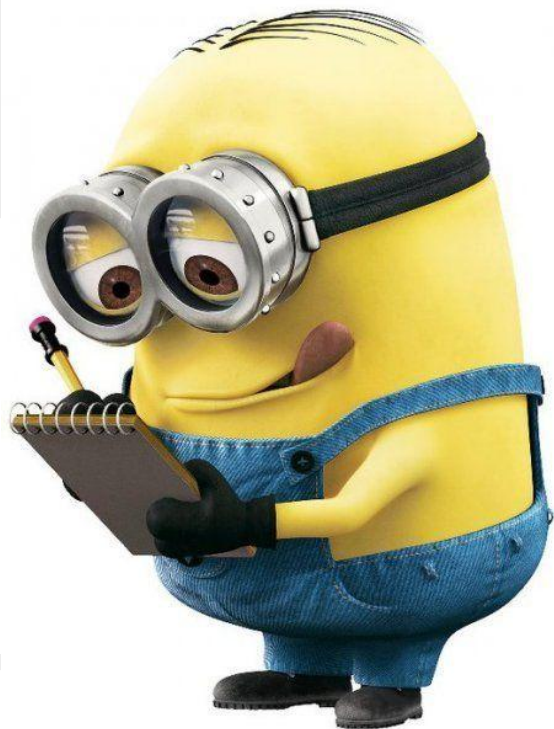


Relationships One-to-Many





Content Design



Minion

Traits

Loves

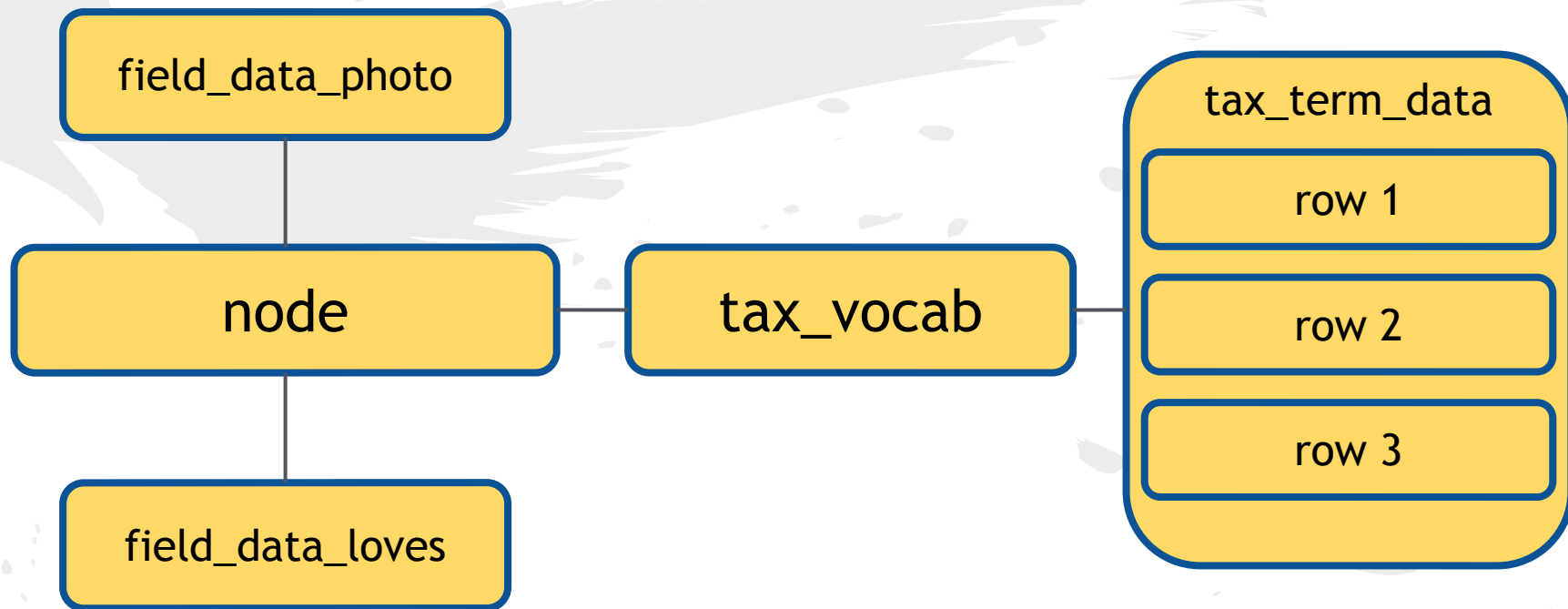
Photo

Hair Style

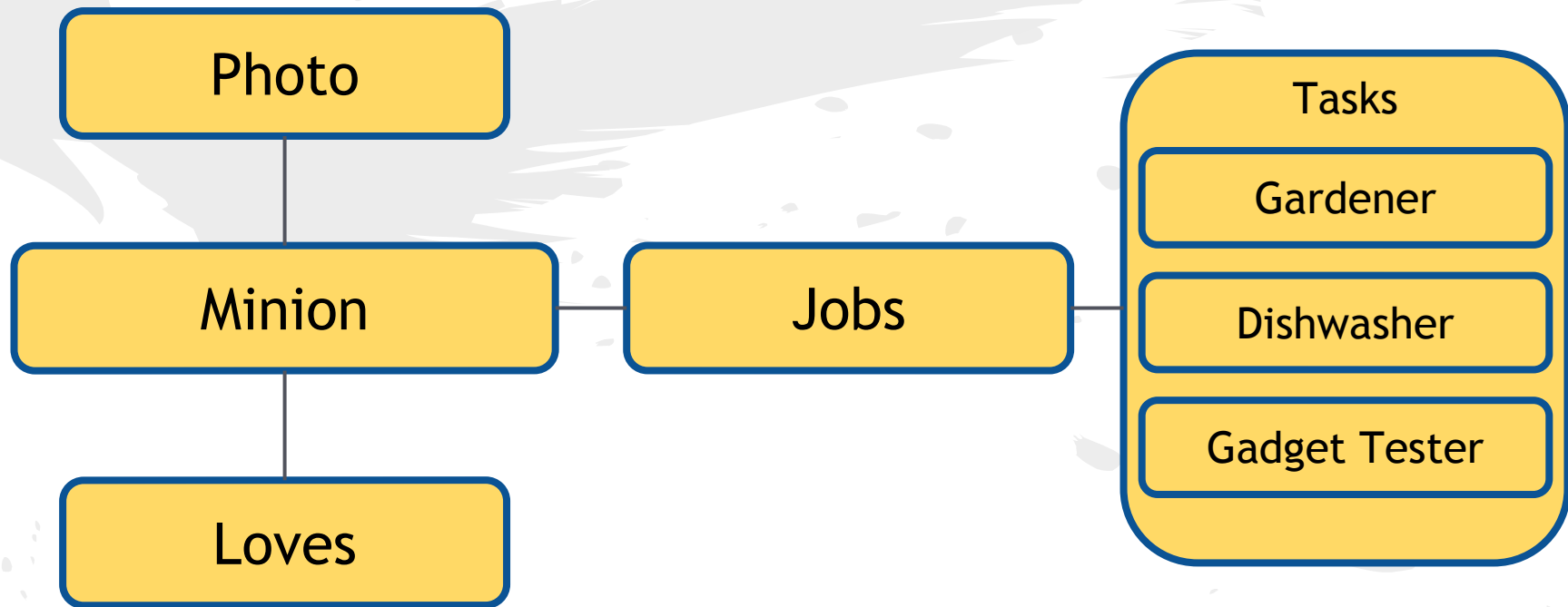
Body Type

Eyes

Drupal Table Names

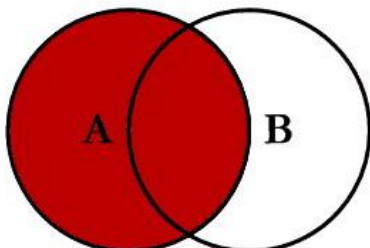


User Friendly Naming

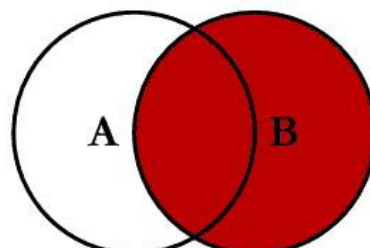


Structured Query Language

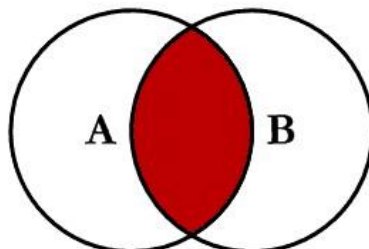
```
36 // Relationship through Content: Trait
37 SELECT node.nid AS nid,
38 node.title AS node_title,
39 node.created AS node_created,
40 'node' AS field_data_field_photo_node_entity_type,
41 'node' AS field_data_field_loves_node_entity_type
42 FROM
43 {node} node
44 LEFT JOIN {field_data_field_traits} field_data_field_traits ON node.nid = field_data_field_traits.entity_id
45 AND (field_data_field_traits.entity_type = 'node' AND field_data_field_traits.deleted = '0')
46 LEFT JOIN {taxonomy_term_data} taxonomy_term_data field_data_field_traits
47 ON field_data_field_traits.field_traits_tid = taxonomy_term_data_field_data_field_traits.tid
48 WHERE (( (node.status = '1') AND (node.type IN ('minion')) ))
49 ORDER BY node_created DESC
```



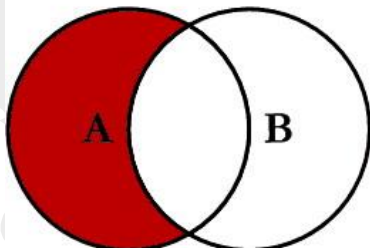
```
SELECT <select_list>
FROM TableA A
LEFT JOIN TableB B
ON A.Key = B.Key
```



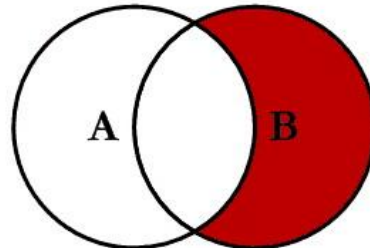
```
SELECT <select_list>
FROM TableA A
RIGHT JOIN TableB B
ON A.Key = B.Key
```



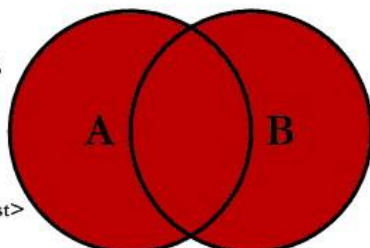
```
SELECT <select_list>
FROM TableA A
INNER JOIN TableB B
ON A.Key = B.Key
```



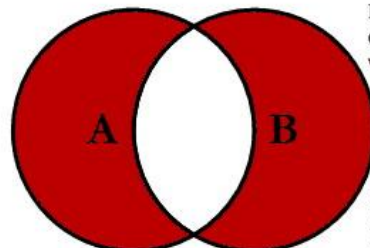
```
SELECT <select_list>
FROM TableA A
LEFT JOIN TableB B
ON A.Key = B.Key
WHERE B.Key IS NULL
```



```
SELECT <select_list>
FROM TableA A
RIGHT JOIN TableB B
ON A.Key = B.Key
WHERE A.Key IS NULL
```



```
SELECT <select_list>
FROM TableA A
FULL OUTER JOIN TableB B
ON A.Key = B.Key
```



```
SELECT <select_list>
FROM TableA A
FULL OUTER JOIN TableB B
ON A.Key = B.Key
WHERE A.Key IS NULL
OR B.Key IS NULL
```

[illegible]

ME



YOU

What does views actually do?

- Query building tool
- Query inspection tool
- User Interface (views_ui)
- The power behind Drupal

You need
views if...



Add new view

View name *

New view

Machine name: new_view [\[Edit\]](#)

☐ Description

Show

Content

of type

All

tagged with

☐ Create

Content

Content revisions

Taxonomy terms

Users

Module/Theme/Theme engine

☐ Create a block

Save & exit

Continue & edit

Cancel

Choose **base table**

Change **types**

Term **filters**

Simple **sort**

☒ Auto preview Preview with contextual filters:

Update preview

Separate contextual filter values with a "/". For example, 40/12/10.

Query	<pre>SELECT node.created AS node_created, node.nid AS nid FROM {node} node INNER JOIN {taxonomy_index} taxonomy_index ON node.nid = taxonomy_index.nid WHERE (((taxonomy_index.tid = '3'))AND(((node.status = '1')))) ORDER BY node_created DESC LIMIT 10 OFFSET 0</pre>
Title	My View
Path	mypath/3

Views settings: [admin/structure/views/settings](#)

Displays

Page* Attachment + Add

edit view name/description ▾

▼ Page details

Display name: Page view page ▾

TITLE
Title: None

FORMAT
Format: [Table](#) | [Settings](#)

FIELDS add ▾
Content: Title (Title)
(author) User: Name (Author)
Content: Updated date (Last update)

FILTER CRITERIA add

SORT CRITERIA add

PAGE SETTINGS
Path: /glossary
Menu: Normal: Glossary
Access: None

HEADER add

FOOTER add

PAGER
Use pager: [Full](#) | [Paged](#), 36 items

Advanced

CONTEXTUAL FILTERS add ▾
Content: Title

RELATIONSHIPS add ▾
Content: Author

NO RESULTS BEHAVIOR add

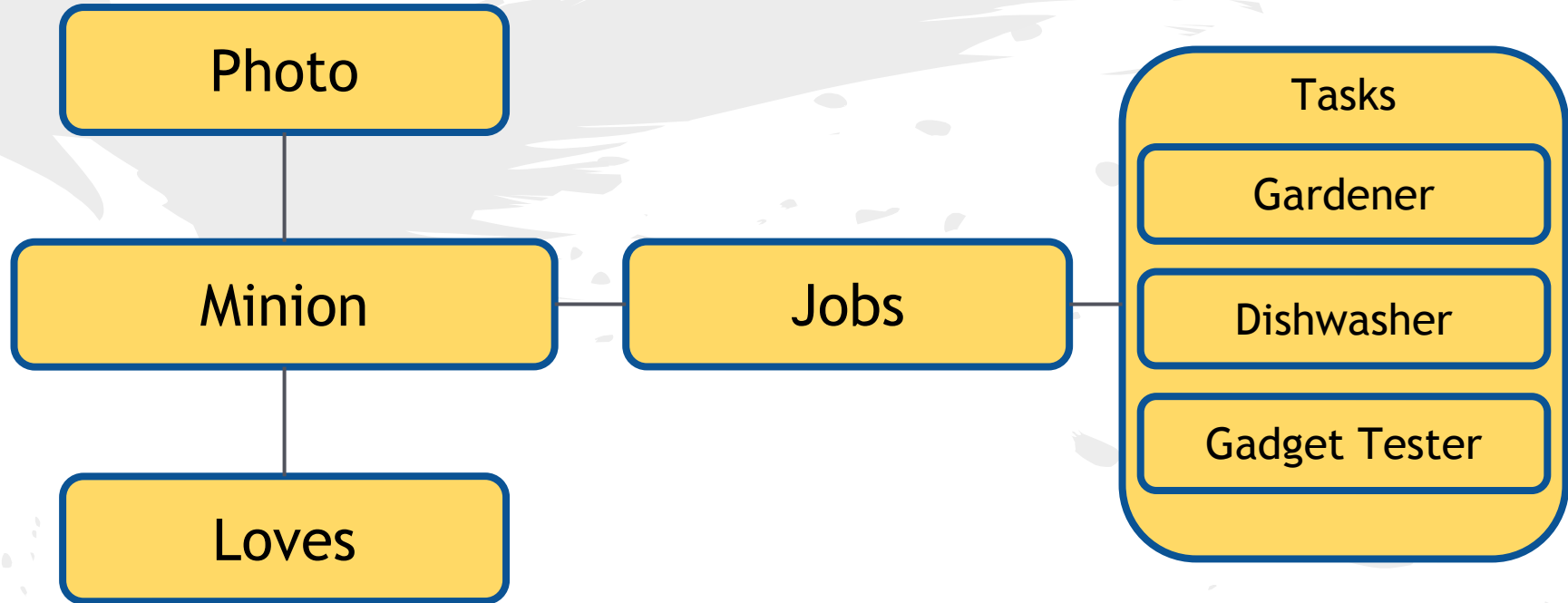
EXPOSED FORM
Exposed form in block: No
Exposed form style: [Basic](#) | [Settings](#)

OTHER
Machine Name: [page](#)
Comment: [No comment](#)

What to select & filter

How to format & display

User Friendly Naming



Content
Type

Minion

Job Title

Task One

Task Two

Task Three

TERMS

Job Title

Task One

Task Two

Task Three



Duplicate Results

Minion

Photo

Loves

Task One

Minion

Photo

Loves

Task Two

Minion

Photo

Loves

Task Three

Views Distinct

- https://drupal.org/project/views_distinct
- Aggregation (combine with separator)
- Filtering (remove duplicates)
- Individual Field manipulation



We must go one level deeper



And then what?



We must go one level deeper

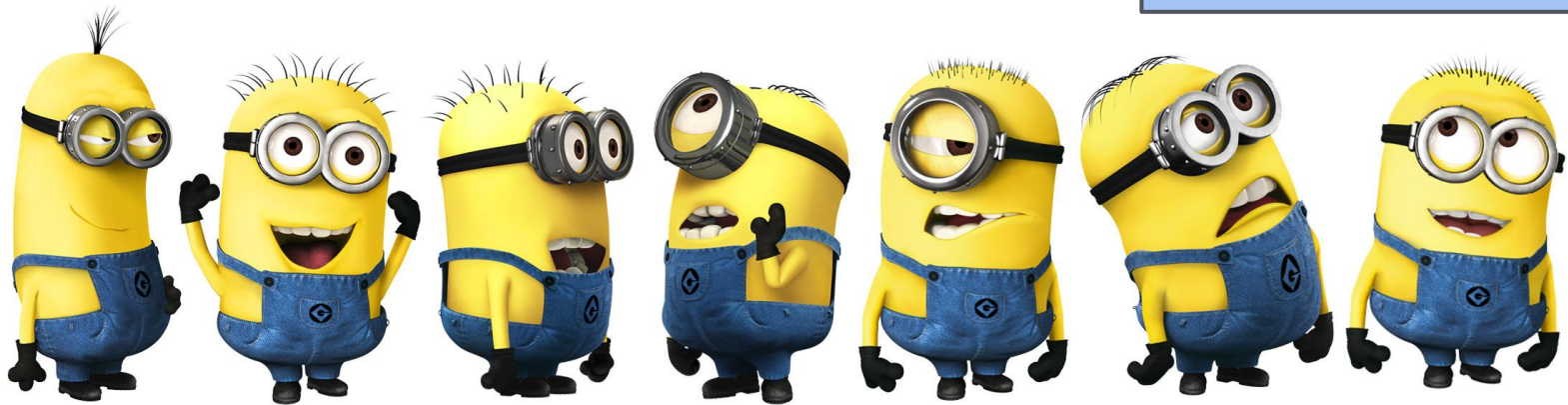
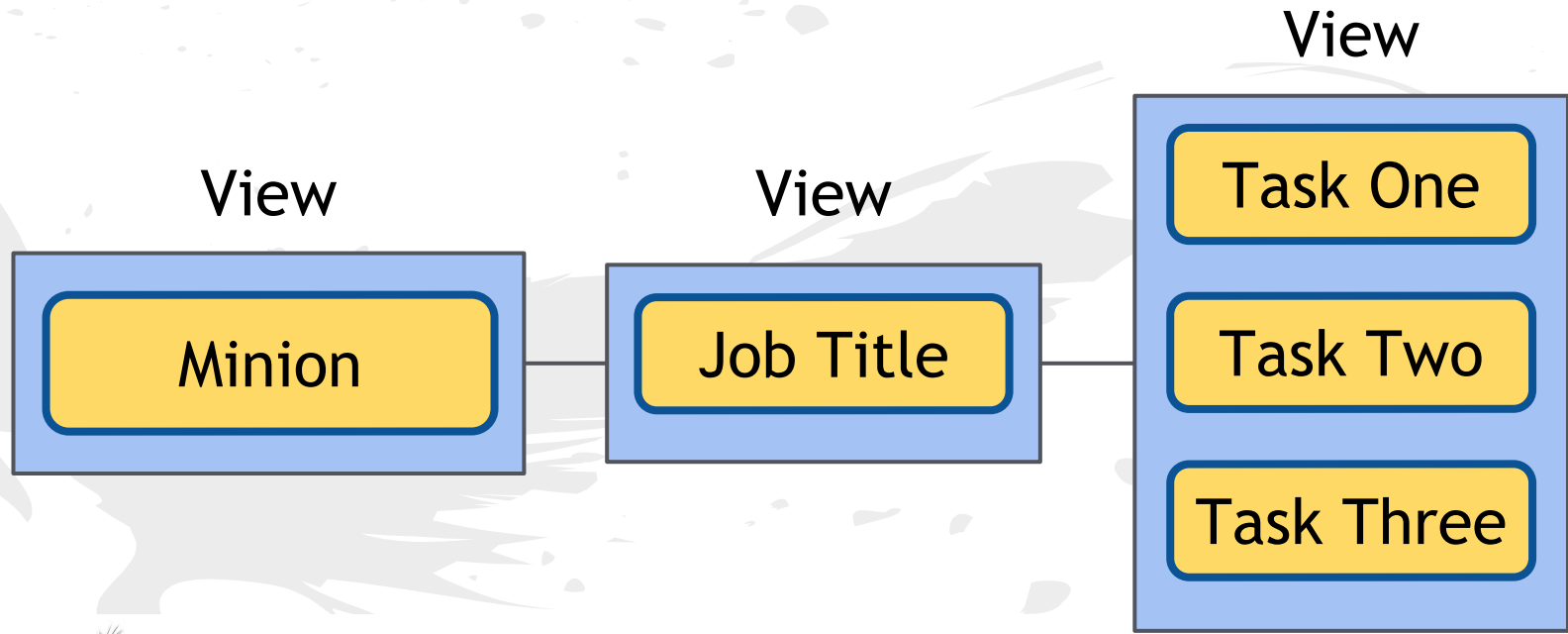


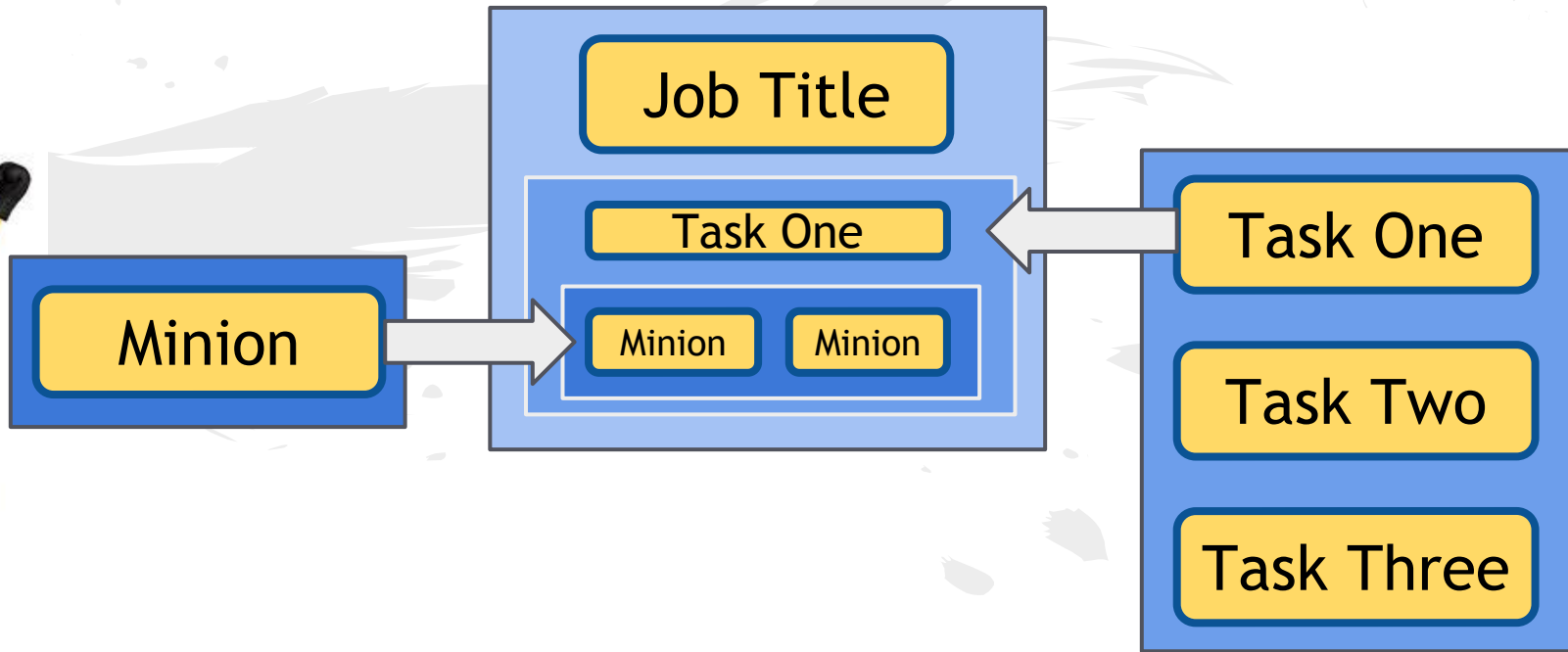
And then what?

Viewception

(concept of modular views)

- Modularize views
- Embed views within views
- Control each view individually
- Views Field View Module





DEMO TIME

A stylized, light gray illustration of a hand holding a paintbrush, with various paint splatters and brush strokes scattered across the white background. The hand is positioned on the left side, with the brush pointing towards the right. The background is white with numerous small, dark gray splatters and larger, more defined brush strokes, creating a sense of artistic activity.

