

# NRP MODEL CHEAT SHEET

## LAYOUT - YAML

```
price:
  type: float
```

— or —

```
price: float
```

## SIMPLE TYPES

integer  
boolean  
float  
double  
date (iso)  
time (iso)  
datetime (iso)  
edtf (level 0)  
edtfinterval (level 0)

## TEXT TYPES

fulltext  
keyword  
fulltext+keyword

### Examples:

```
title: fulltext
published: edtf
```

## CONSTRAINTS

```
price:
  type: float
  minimum: 0
  required: true
```

— or —

```
price: float{minimum:0,
required: true}
```

Supported:  
<https://t.ly/4Met>

## OBJECTS

```
person:
  properties:
    firstName: keyword
```

— or —

```
person{}:
  firstName: keyword
```

## EXTRAS ON OBJECTS

```
person:
  properties:
    ...
    ^label.en: "Person"
```

— or —

```
person{}:
    ...
    ^label.en: Person
```

everything starting with ^ is not a metadata property of person

## NESTED

Why to use nested? See ...

```
person:
  type: nested
  properties:
    firstName: keyword
```

— or —

```
person{nested}:
  firstName: keyword
```

## ARRAYS

```
prices:
  type: array
  items:
    type: float
```

— or —

```
prices: array{items:float}
```

— or —

```
prices[]:
  type: float
```

— or —

```
prices[]: float
```

## EXTRAS ON ARRAYS

```
prices[]:
  type: float
  ^label.en: Prices
  ^minItems: 5
```

everything starting with ^ maps to array, not item

## EXTRAS ON ARRAY ITEMS

```
prices[]:
  type: float
  ^label.en: Prices
  ^minItems: 5
  minimumExclusive: 0
```

## ARRAYS OF OBJECTS

```
people[]{}:
  firstName: keyword
  lastName: keyword
```

works but please do not use this as it is not readable

## INCLUDES

```
^use: person.yaml
^use: types.yaml#/Person
```

— or —

```
$ref: person.yaml
```

## I18N

```
^label.en: Person
^label.key: metadata.person
^title.en: Person tooltip
^hint.en: Hint in deposit form
```

.key → generated to .po files as msgid, if not specified, json path within the model with removed "properties" and "items", with added ".label", ".title" and ".hint"

## I18N VALUES

supported with oarepo-model-builder-multilingual

```
translatedTitle: i18nStr
```

— is —

```
translatedTitle{}:
  lang: keyword
  value: keyword
```

OS mapping is the same, no special handling for different languages

```
translatedTitle: multilingual
```

— is —

```
translatedTitle:
  type: array
  items{}:
    lang: keyword
    value: keyword
```

OS mapping per language, supported languages must be defined on root element, see docs at