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## 1. Open issues

- `€PublishingChangeKind` is not used by any annotation in `o.a.i.applib.annotation`
- `@Defaulted`, `@EqualByContent` will stay in 2.0?
- `@Facets`, `@Mixin` (rather advanced, haven't used it by now). To be included/detailed in diagram?
- `@MinLength` related to `Parameter`, `ParameterLayout` - can be integrated there?
- `@Programmatic` will be obsoleted by `@Action(...)`?
- `@ActionLayout`, `@ViewModelLayout`, `@DomainObjectLayout` still reference `cssClassFa` and `cssClassFaPosition`. To be replaced by `"/labelPosition`?

## 2. Remarks

- `@ParameterLayout`: `regexPattern`, `regexPatternFlags`, `regexPatternReplacement` omitted - `@Pattern` to be used
- Enumeration values have been extracted from `applib` annotations and summarised into a table of it's own when used in more than one annotation (results in less redundancy and a more compact layout). Enums referenced only by one annotations list their respective values 'inline'.
- JDO annotations are grouped in two blocks - one contains those that refer to classes, the other refers to properties. Not complete yet.

## 3. Programming Model Overview

The FW follows a POJO approach, where classes (`DomainObjects`, `DomainServices`, `ViewModels`), fields (`Properties`), and methods (`Actions`) are amended by means of annotations. Plus some 'supporting methods'.

### 3.1. Annotations

They are implemented in:

- `o.a.i.applib.*`, some in
- `javax.jdo.annotations`. And of course

- `javax.inject.Inject` for dependency injection.

Applib annotations refer to enumerations, here listed separately.

### **3.2. Supporting Methods**

Some 'Supporting Methods' need to follow strict naming rules, i.e. need to have a certain prefix (`disable`, `hide`, `validate`) followed by a camelcased property or action name. `title()` is somewhat special insofar as it refers to a class / DomainObject only.

## **4. TODO**

## **5. References**

[1] Coad: Modeling in Color

Coad Color	Coad Description	Color here	here used for
pink	moment-intervals	red	method
green	entities (party/ place/thing)	green	class
yellow	roles	orange	property
blue	descriptions	blue	layout

