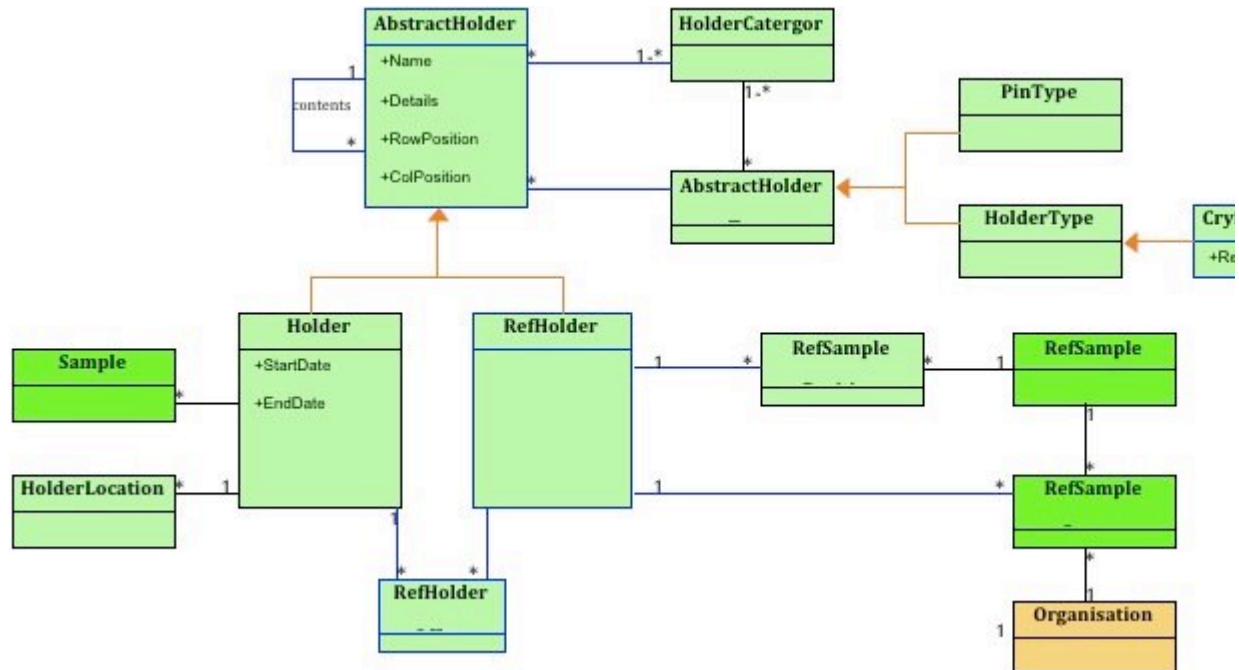


v2.1-1

Last updated: Aug 13, 2008 2:46 PM



Database revision number 30.



1. Split Holder to Holder and RefHolder which extended from AbstractHolder

- Put previous Holder's name, details, abstractHolderType and HolderCategories into AbstractHolder
 - Keep previous Holder's start/endDate, samples and holderlocations in Holder
 - Move previous Holder's refSamplePosition to RefHolder
- The new Holder represents a real holder and RefHolder represents an holder idea which contains refSamples through RefSamplePosition

2. Add RefHolderOffset to link Holder and RefHolder

- Move previous Holder's row/col/sub to SubHolderOffset 's row/col/sub offset
- Through RefHolderOffset, a Holder can be confirmed to a set of sub-Holders at position defined in RefHolderOffset

3. Add CryHolderType which extends HolderType

- Add ResSubPosition for CryHolderType
- This will allow a crystallization holder to know where is the reservoir

API level data checks:

1. When Holder contain sub-RefHolder, its sample should be confirmed to refHolder's refSample in the same position
2. RefHolder should not contain holder and holder should not contain refHolder (generated API changed manually)
3. AbstractHolder's size (in AbstractHolderType) should \geq sub-holder's (offset+size) and sub-holders should have no overlap (refholder can overlap with holder)

4. Storing screen manufacturer information

- Extend RefSampleSource with two additional attributes: productGroupName & productName
- Both strings, restricted length (255 maybe), whitespace allowed. These attributes map Condition.manufacturerScreenName and Condition.manufacturerCode respectively.
- Extend RefSampleSource with an additional Role: refHolder

Implement RefSampleSource equivalent for RefHolder, eg as RefHolderSource. It should have identical attributes to RefSampleSource but link to RefHolder and Organisation rather than RefSample and Organisation. This class to map Screen.manufacturerName.

5. Storing component information

- Extend SampleComponent with additional attribute: pH
Float, to use to record the use of a buffer of defined pH as a component of the condition. This attribute to map component.pH.
- Extend MolComponent with additional attribute: volatile
Boolean. This attribute map component.volatileComponent.

6. Score

- Add String Column color
- Drop Column serial

7. DropAnnotation

- Drop not-null constraint for Annotator
- Drop column serial

That still leaves a few things unaccounted for - component.chemicalImage, component.safetyInformation, condition.safetyInformation, deepWellPlate.createDate. I still need to think about these.