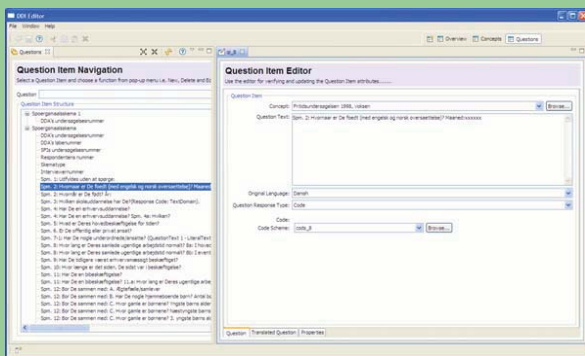


# DDI editing infrastructure

A look closer look at the deployment modules



2009-11

## DDI FTP development lifeline

- Utility development, 2008
  - DDI 3 object model
  - DDI 3 second level validation
  - DDI 3 group parsing validation
  - DDI 3 URN
- Infrastructure development 2009
  - Editing DDI

## Requirements for editing DDI 3

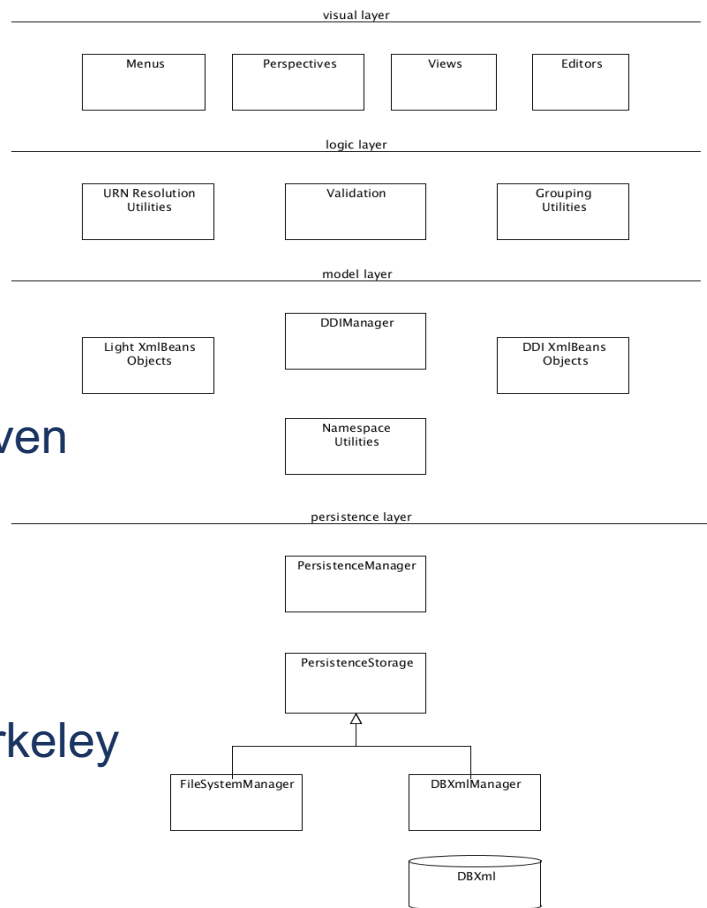
- DDI Profile
  - From variable to study level description
- Tools development
  - Collaborate through open source tools and components
- User perspective
  - Conceptual view of DDI 3
  - Hiding XML from end user

## Design choices

- Quick DDI standard adoption
  - XML centric
- Lower footprint on XML selection
  - XML database, indexing, transaction, querying
  - Unit of work pattern
  - Light DDI model defined in XSD
- Decoupling and modularization
  - Reuse of components
  - Facade pattern and interfaces

# Architecture

- OSGi Back end
  - XQuery Update driven
- DDI validation, grouping, URN
- Meta data storage
  - Indexed Oracle Berkeley DBXml
- Simplified API



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# API or UI

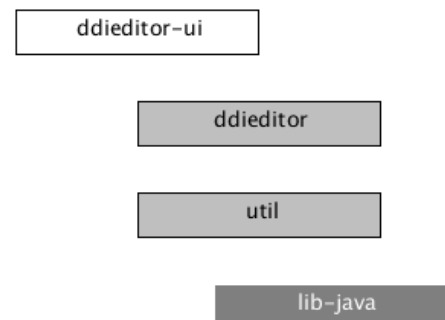
- Add -use -export DDI
  - FileSystemManager.getInstance().addResource(importFile)
  - PersistenceManager.getInstance().setWorkingResource(importFileName)
  - PersistenceManager.getInstance().exportResourceList(importFileName);
- List DDI
  - DdiManager.getInstance().getConceptsLight(id, version, pld, pVersion)
  - DdiManager.getInstance().getInstrumentLabel(id, version)

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## Deployment modules

- Modules

- UI
  - Eclipse RCP
    - Perspectives, views, editors
- API
  - DDI CRUD
  - Utility
    - I18N, XmlBeansUtil,



## Project Setup

- Collaborative development
  - DDI Foundations Tools Program
  - Web: [tools.ddialliance.org](http://tools.ddialliance.org)
- DDA DDI tools website
  - Web: [samfund.dda.dk/dditools/default.htm](http://samfund.dda.dk/dditools/default.htm)
- Legal
  - Open Source License
    - Lesser GNU Public License
- Contact

# Thank you !

```
<?xml version="1.0" encoding="UTF-8"?>
<rl:ResourceList xsi:schemaLocation="ddieditor-resour
list.xsd" version="0.1" xmlns:rl="ddieditor-resour
www.w3.org/2001/XMLSchema-instance">
  <Storage id="resource-list" connection="resource
manager="org.ddialliance.ddieditor.persistenceacce
xmlns="ddieditor-resoure-list"/>
  <ddi:Storage id="big-doc" connection="big-doc.db
manager="org.ddialliance.ddieditor.persistenceacce
xmlns:ddi="ddieditor-resoure-list">
```

## Questions ?