

Modelibra Software Family

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About Modelibra

Open Source Software
Domain Models
Dynamic Web Applications



Open Source Software

Team Work
Software Repository
Quality Assurance



Domain Models

Software Backbone

User Concepts
Concept Properties
Concept Neighbors



Dynamic Web Applications

Client Software vs. Server Software
Java, XHTML & CSS
Web Components



Modelibra Software Family

ModelibraModeler
ModelibraWicketSkeleton

Modelibra
ModelibraWicket

ModelibraModeler

Graphical Design Tool

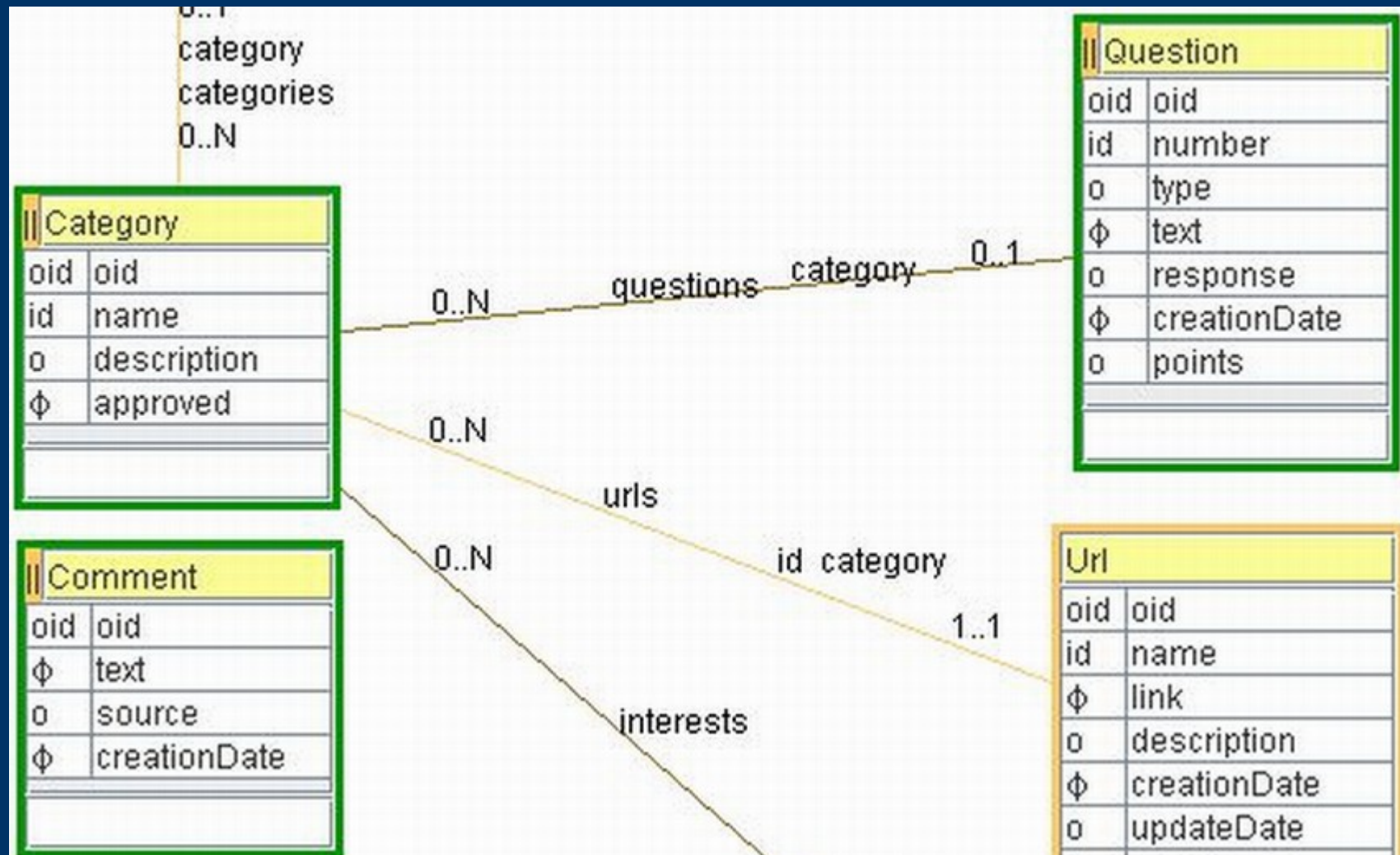
Code Generation

Domain Model XML Configuration

Relational Database Schema



Graphical Model



ModelibraWicketSkeleton

Eclipse Project

Modelibra & ModelibraWicket Libraries

CSS

Code Generation Templates

Domain Model Configuration

Code Generation Context



Modelibra

Java 6

Domain Classes

Model Classes

Concept Classes

Generic vs. Specific Classes

Configuration Classes



Modelibra Model

Domain Model Configuration

Meta Model

Model Entry Points

Entities vs. Entity

Retrieval, Selection & Order

Add, Update, Remove

Modelibra Persistency

Main Memory Restriction

Persistency Layer

XML Data Files

JDBC Relational Database

db4o Object Database



Modelibra Performance

Load vs. Save
Main Memory Indexes
Add, Update, Remove
Retrieval & Selection
Actions vs. Transactions
PolePosition Benchmark
Session & Undo
Export & Synchronization

ModelibraWicket

Wicket Web Framework

Wicket Model

ModelibraWicket Component Framework

ModelibraWicket Knows Domain Model

Generic Programming

Default Web Application

Web Component Model

Web Component View

XHTML Code

Web Component Context

Web Page:

```
DmEducApp dmEducApp =  
    (DmEducApp) getApplication();  
DmEduc dmEduc =  
    dmEducApp.getDmEduc();  
WebLink webLink =  
    dmEduc.getWebLink();
```

Web Component Model

```
ViewModel commentsModel =  
    new ViewModel(webLink);  
Comments comments =  
    webLink.getComments();  
commentsModel.setEntities(comments);
```

Web Component View

```
View commentsView = new View();  
commentsView.  
    setWicketId("commentTable");
```







Web Component HTML

```
<div wicket:id = “commentTable”>  
    Dynamic data.  
</div>
```



Web Component

Comments	
Text	
It would be nice to have a tree web component fo...	
This home page could have been generated by Mode...	
There is no much code behind web components on t...	
How do I become a member?	

Modelibra Productivity

Graphical Domain Model

Code Generation

Generic vs. Specific Code

Default XML Data File Persistency

No Installation

No Changes For Relational and Object Db

Rich API

Default Web Application

Model Validation by Use

Web Components Know Domain Model

Modelibra Performance

Modelibra Future

ModelibraSwing

Modelibra & JHotDraw for ModelibraModeler

Performance Benchmarking with p-unit

Lazy Loading

Hibernate Persistency

Distributed Model with Terracotta

Catalog of Web Applications

Catalog of Web Components

AJAX Web Components

View XML Configuration

