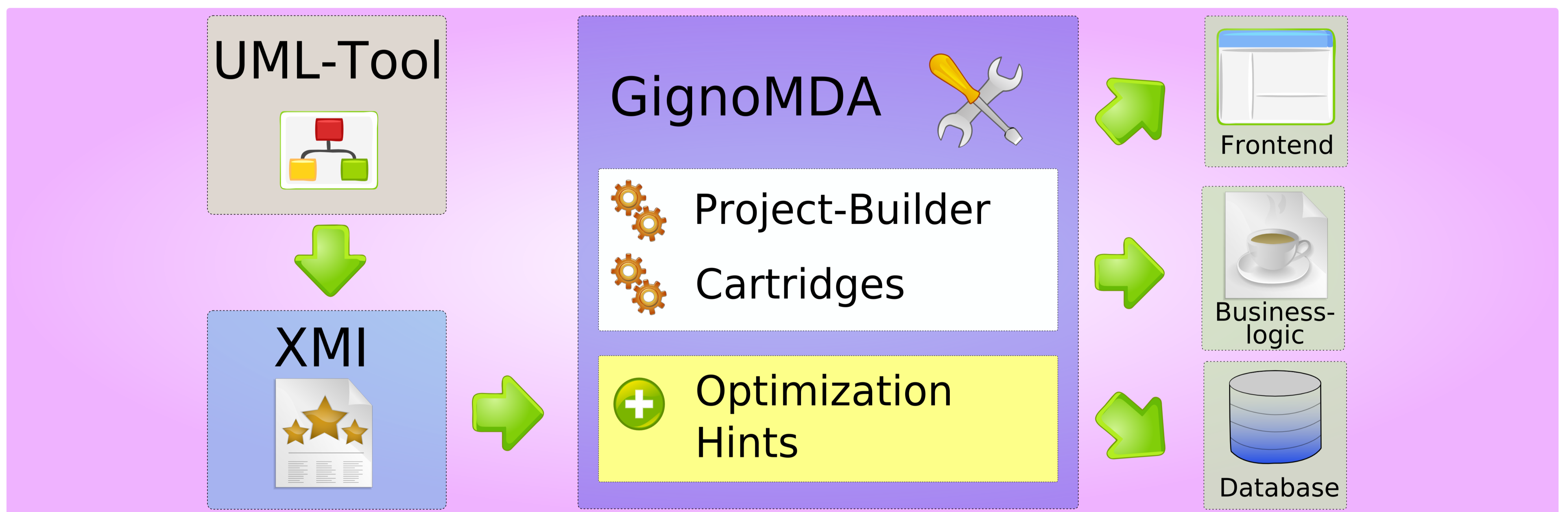
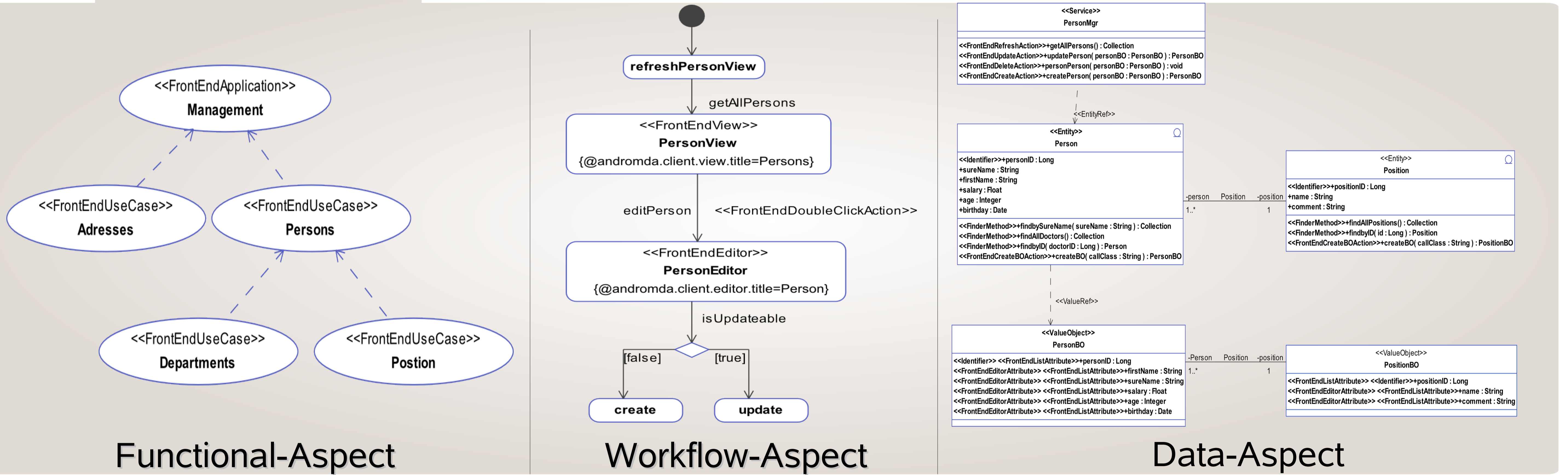


Exploiting Cross-Layer Optimization for Complex Database Applications

Sebastian Richly
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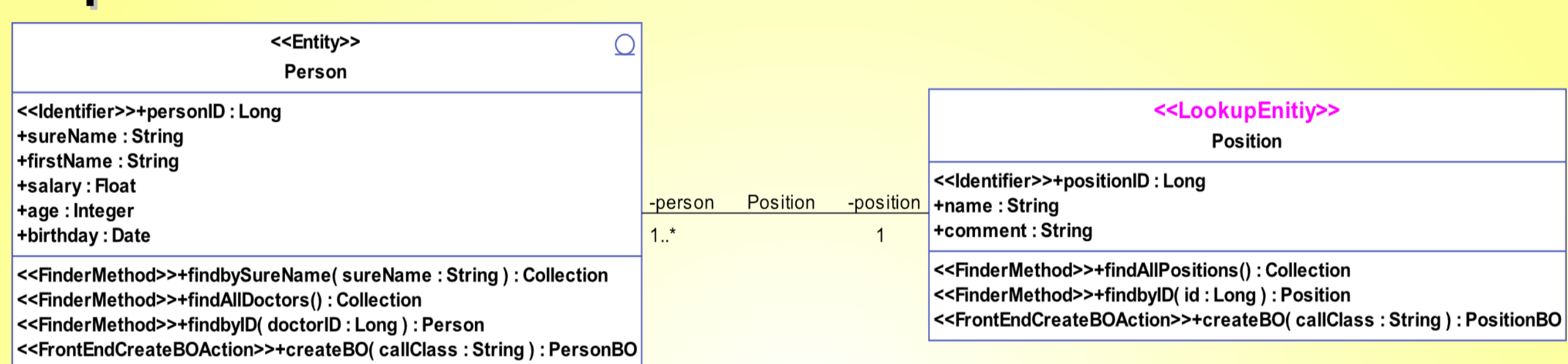
Database Technology and Software Technology Group

UML-Modelling



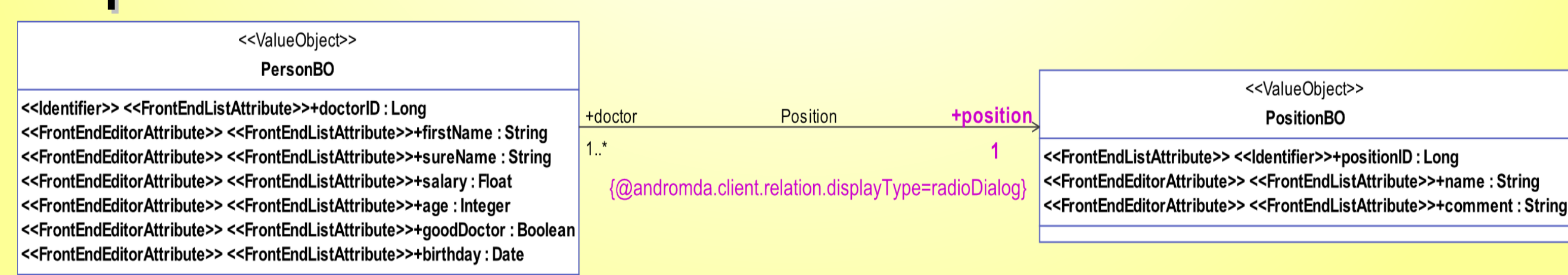
Optimizations

Aim: Global Performance Tuning
Explicit Hints:



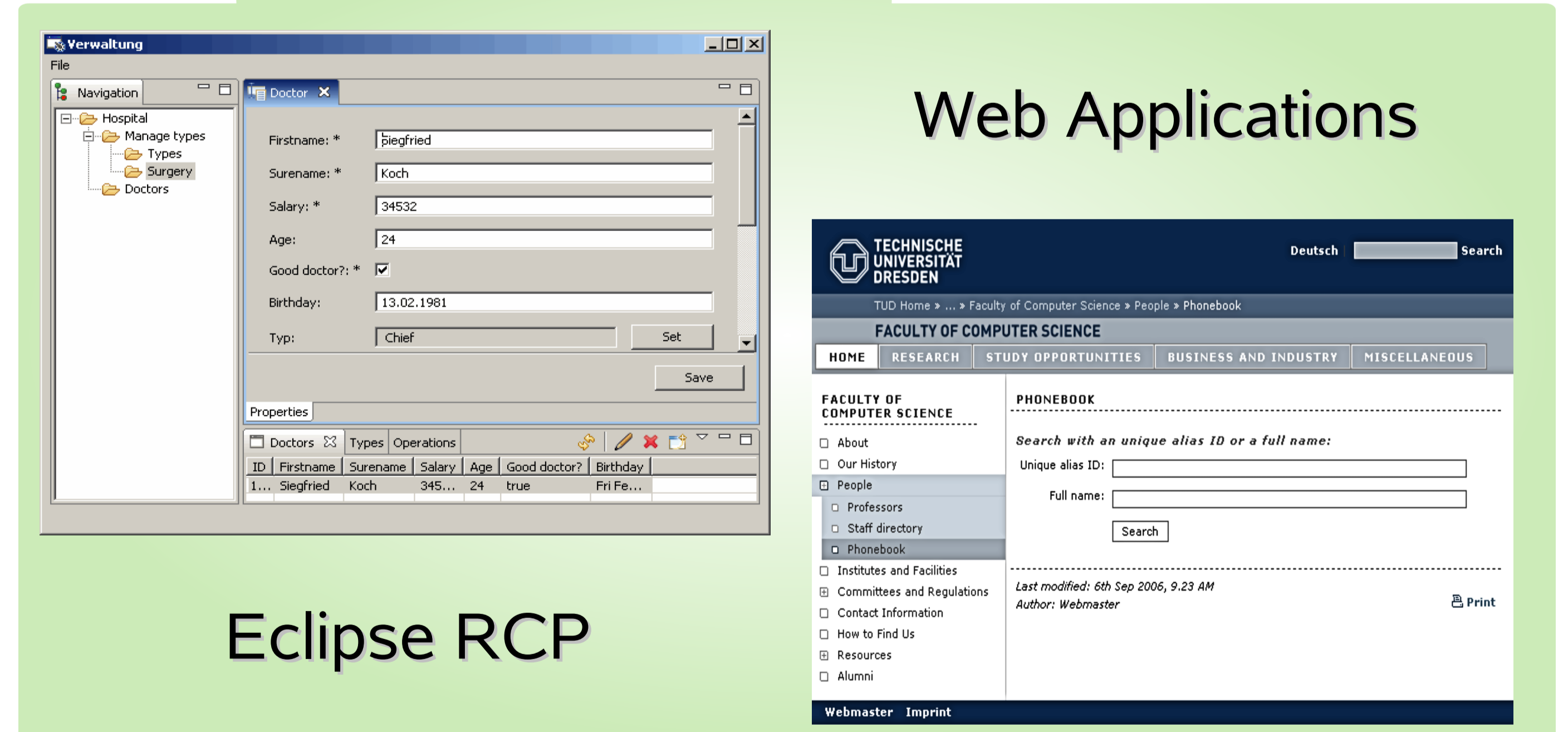
- Preload and caching in business and data tier
- Support for hotspot tables

Implicit Hints:



- Exploration of object-relational concepts
- Indices

Results



Future Work

- Software- and Schema-Evolution
- Support for new application areas, e.g. OLAP
- Support for new technologies like AJAX and SDO