New Domain, Less Pain: Integrated Specification of Model Edit Operations

Eclipse DemoCamp Bonn (24.11.2014)

Dennis Reuling - Christopher Pietsch

Agenda

About us

Software Engineering Group, University of Siegen

Main research area: Model driven software development

Web: `http://pi.informatik.uni-siegen.de`

Dennis Reuling, M. Sc.

Research Scientist at SEG

Email: `dreuling@informatik.uni-siegen.de`

Christopher Pietsch

Research Assistant at SEG

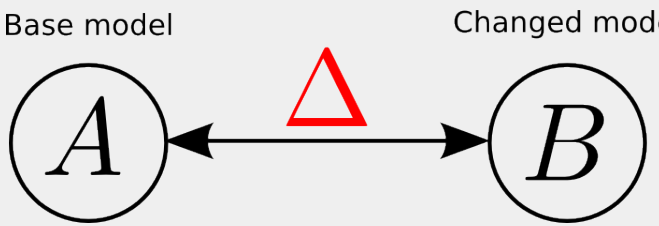
Email: `cpietsch@informatik.uni-siegen.de`

Section 1

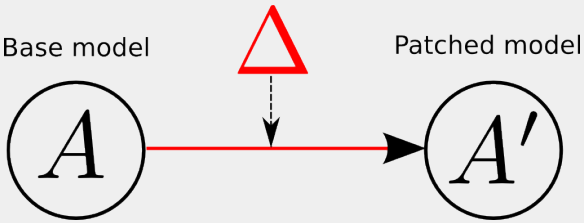
Introduction

Use Cases of SiLift

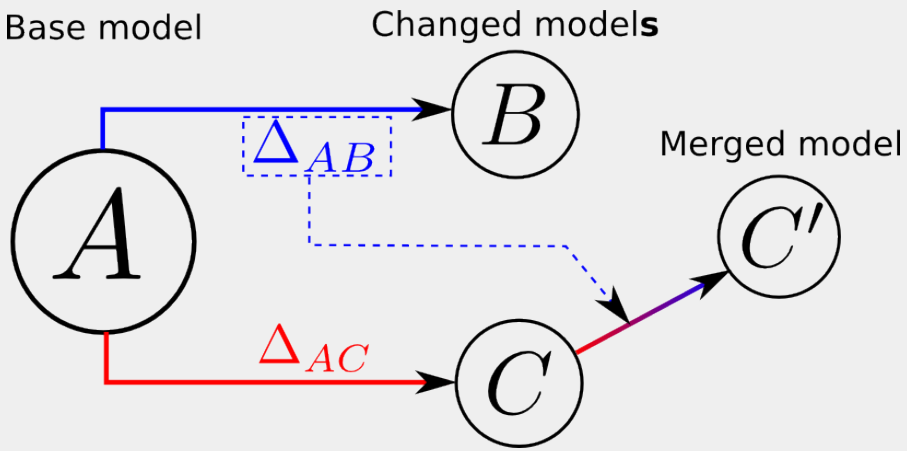
Differencing



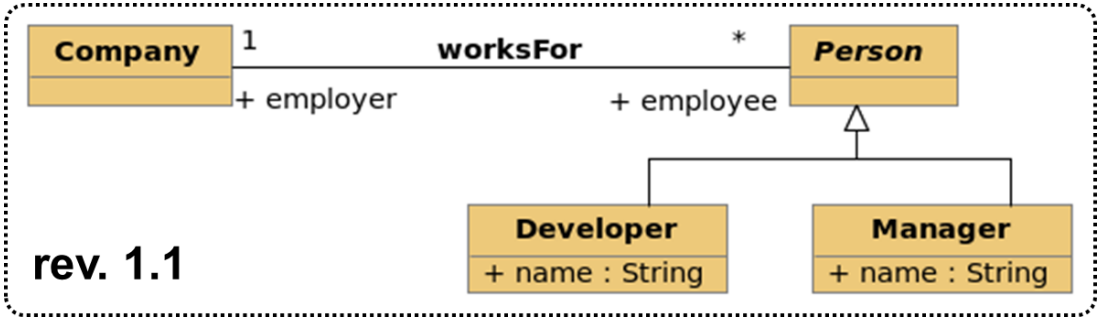
Patching



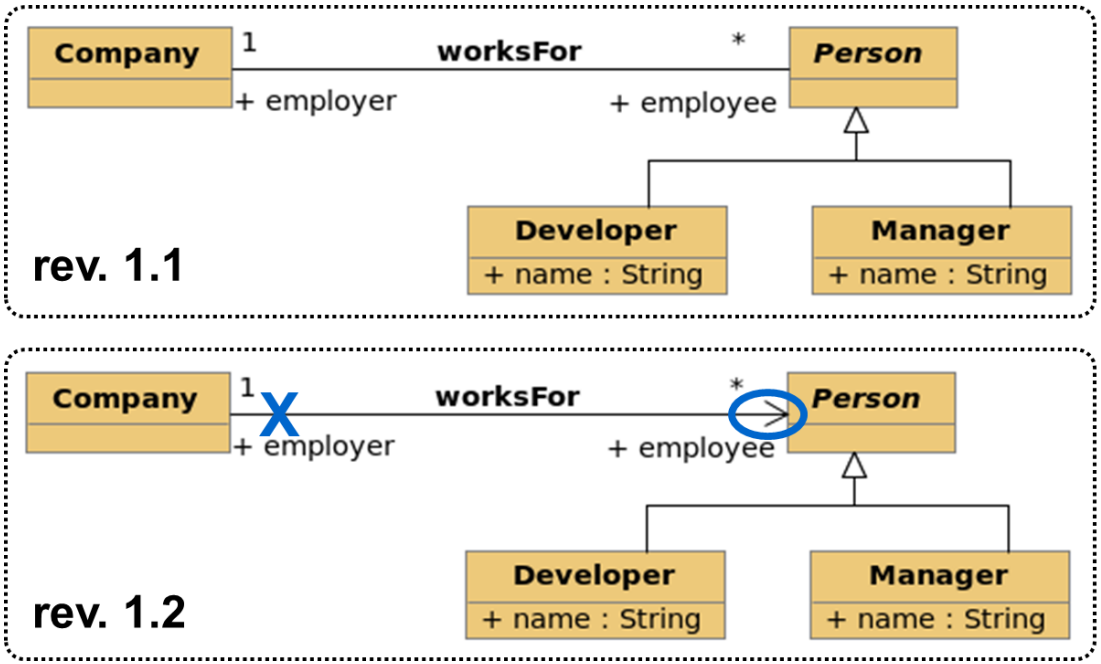
Merging



Model Evolution

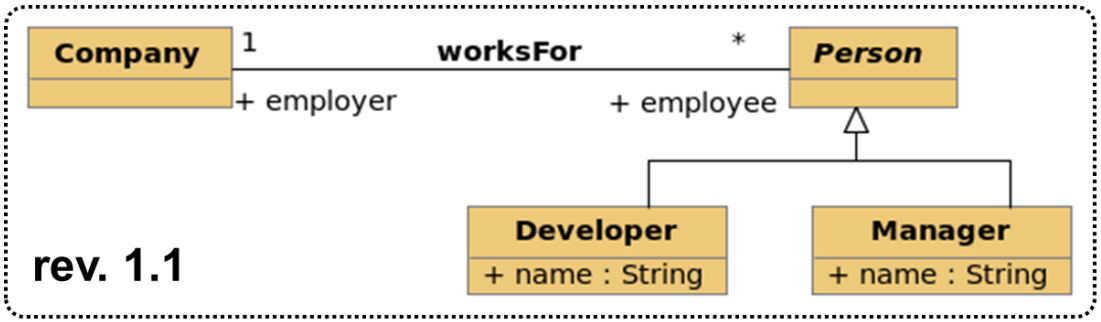


Model Evolution

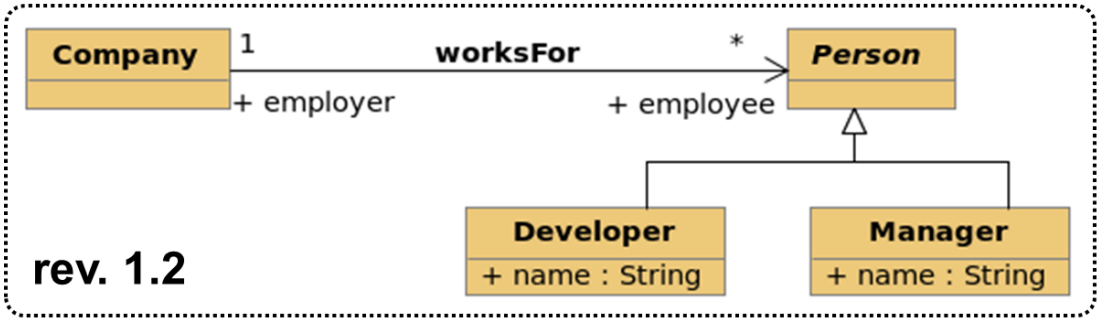


Design Decision:
Restrict association navigability

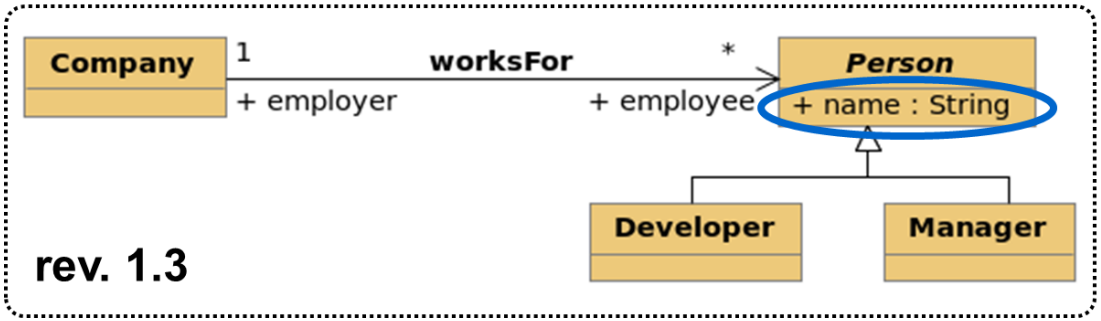
Model Evolution



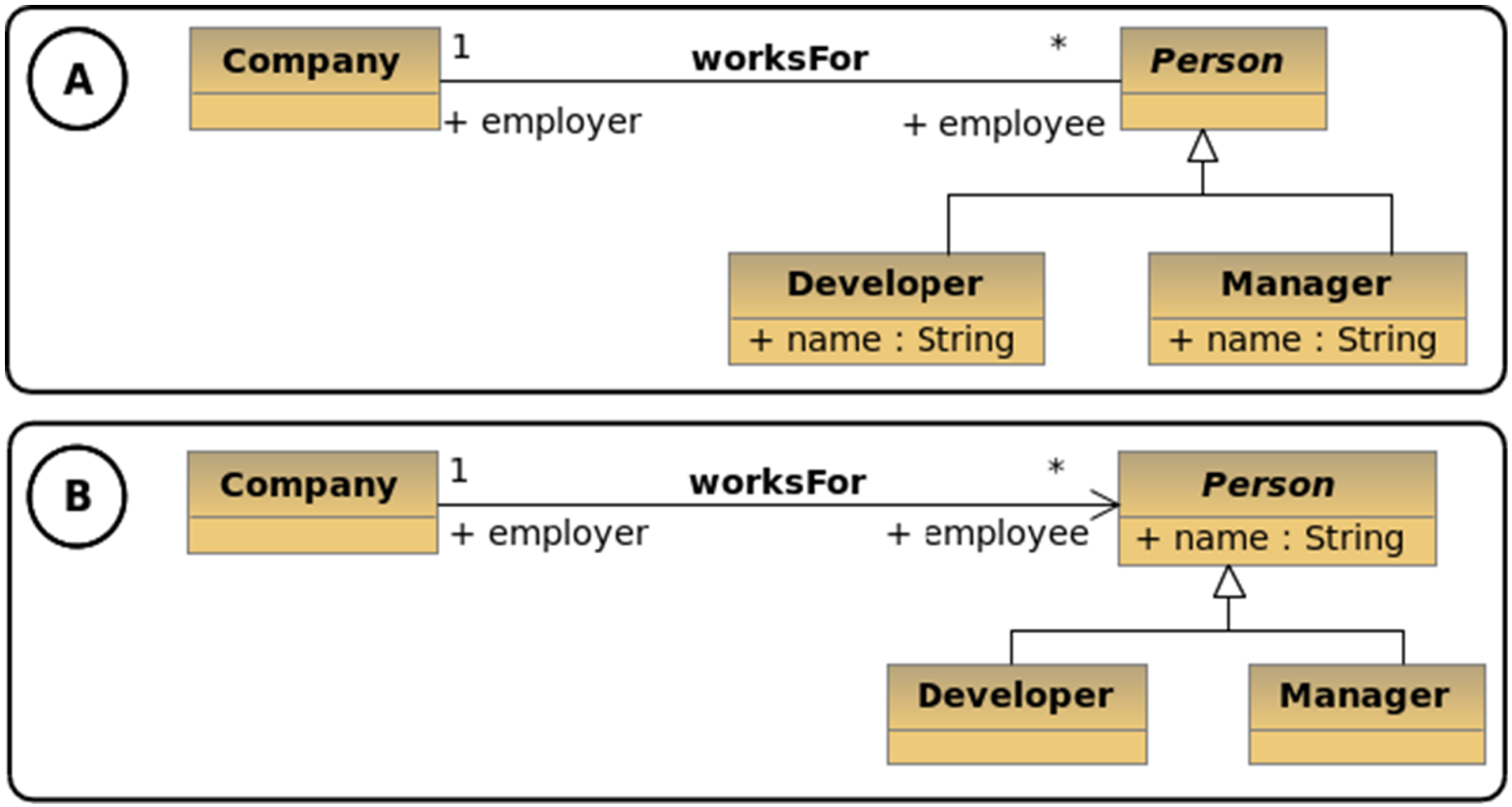
Design Decision:
Restrict association navigability



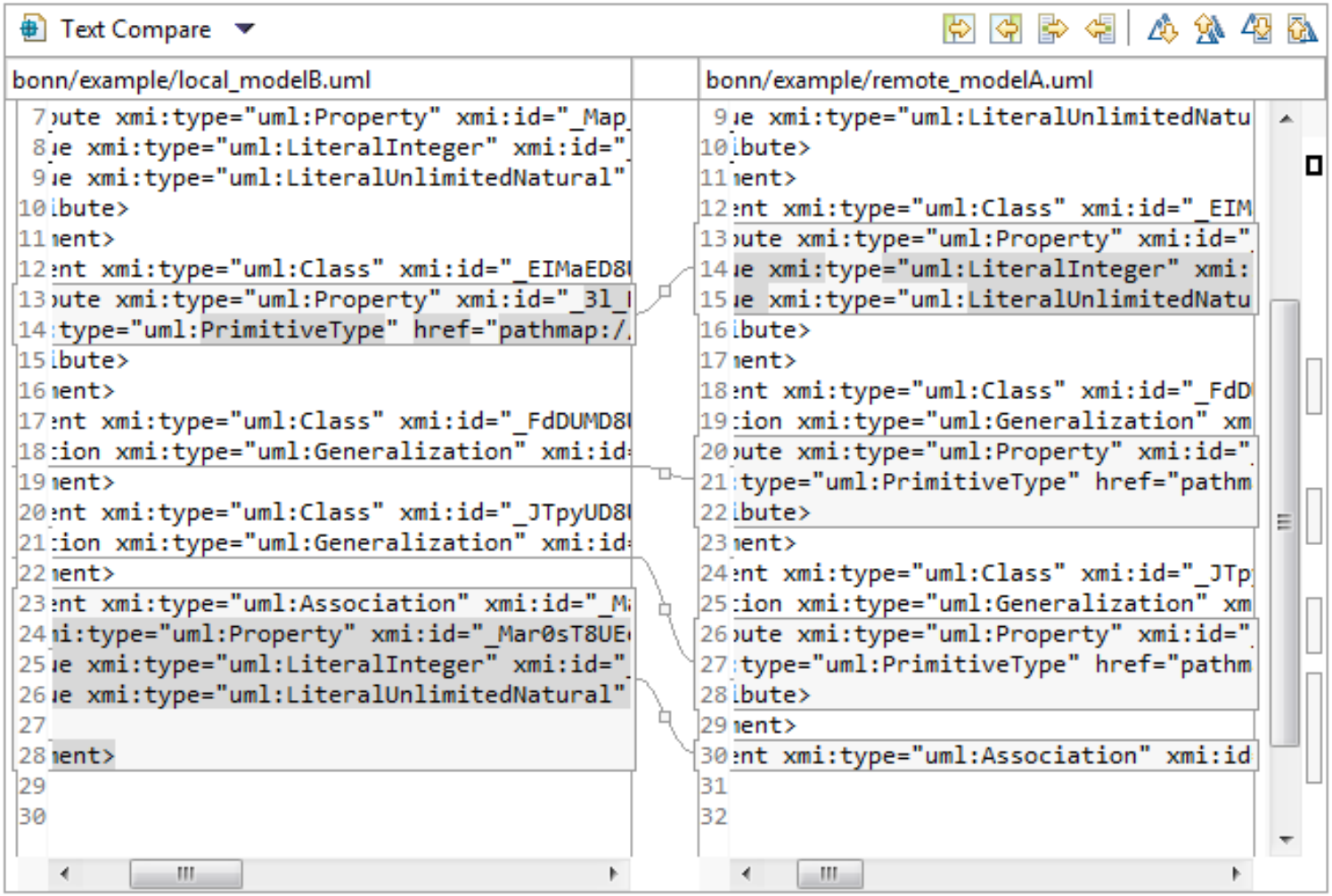
Refactoring:
Pull up attribute



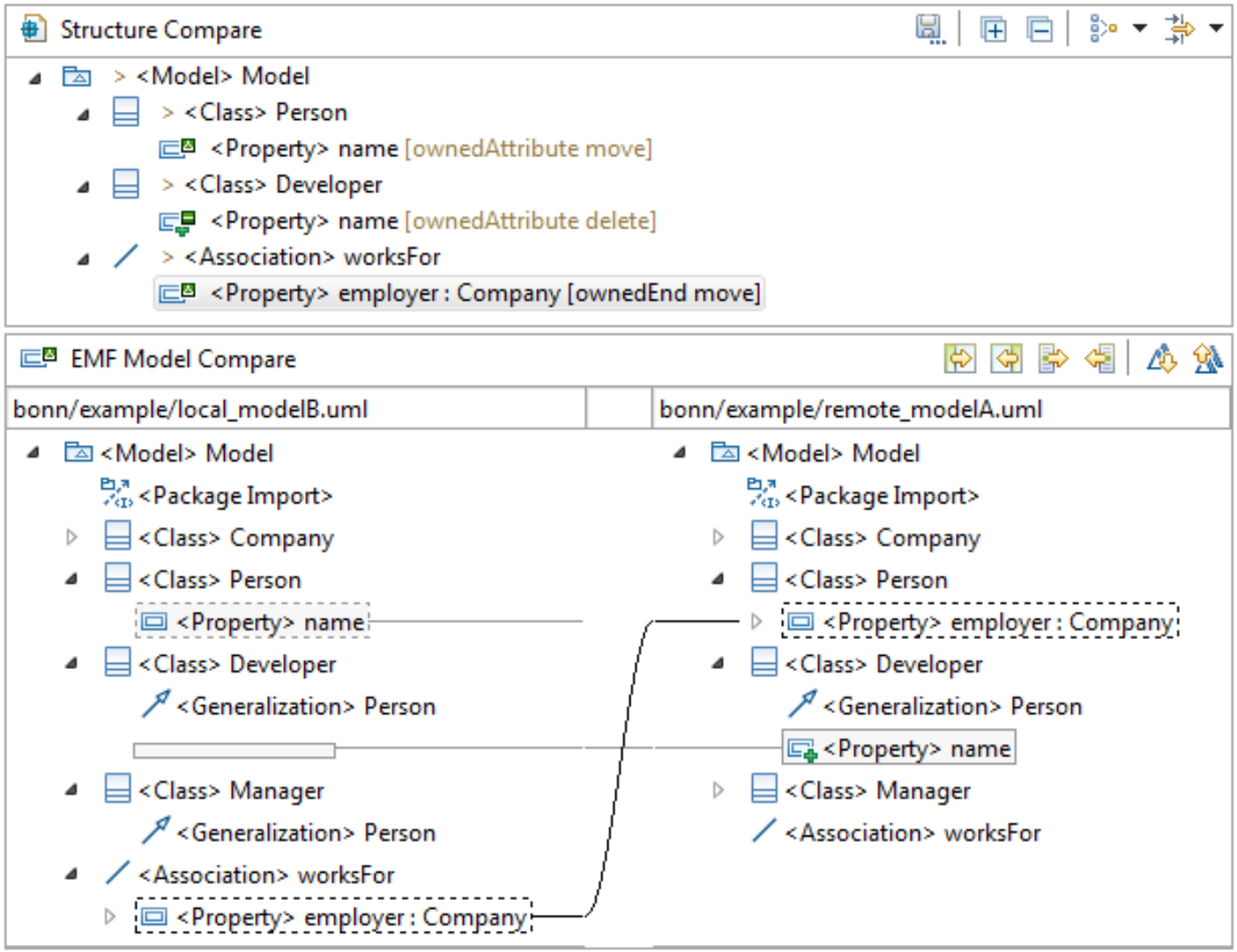
Model Evolution



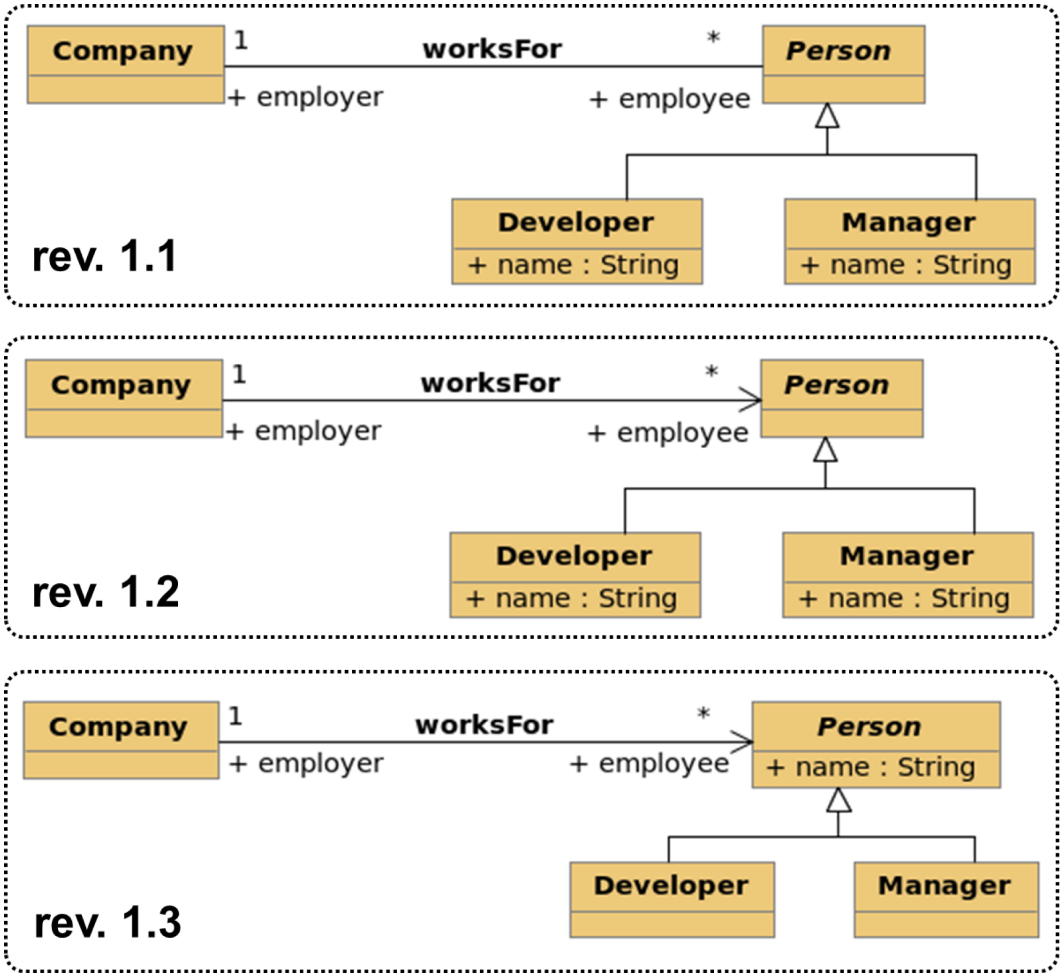
What textual difference tools report. . .



What EMFCompare reports. . .



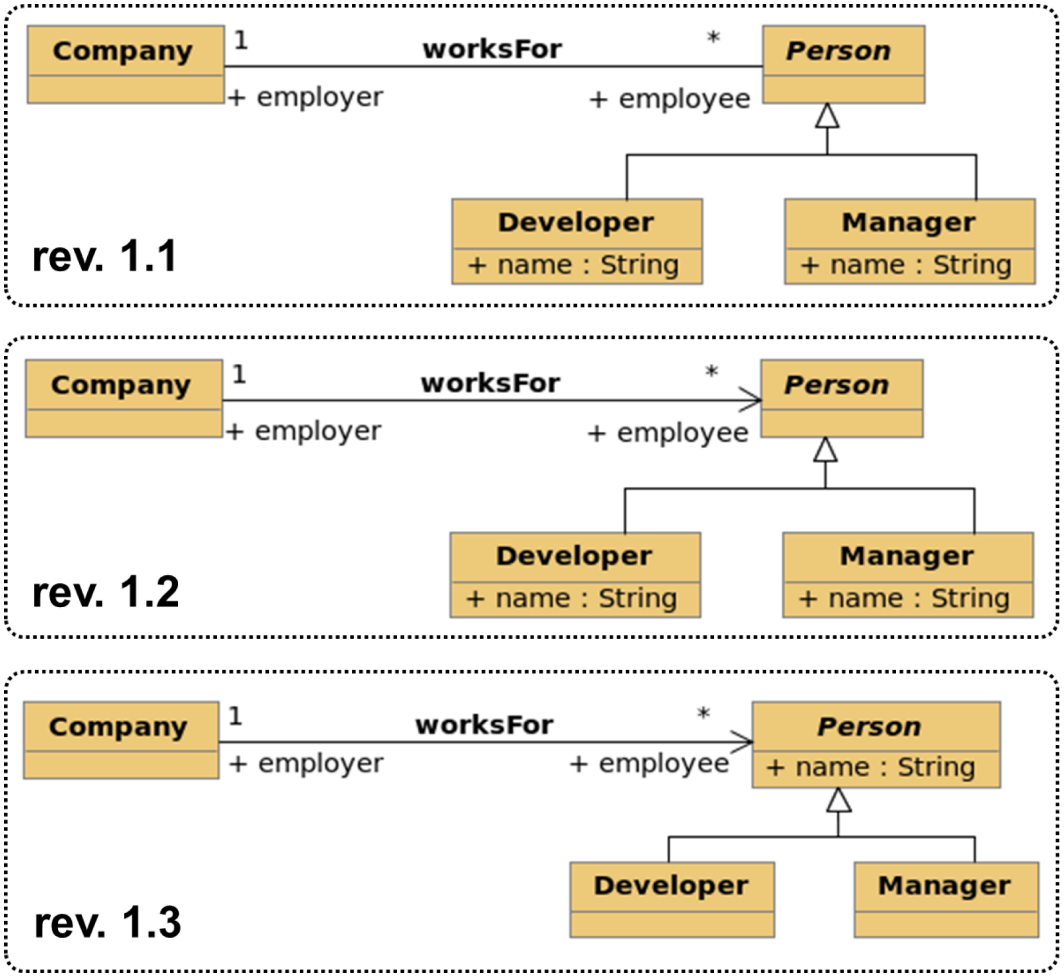
Model Evolution



Design Decision:
Restrict association navigability

Refactoring:
Pull up attribute

Model Evolution



Design Decision:
Restrict association navigability

Edit Operation

Refactoring:
Pull up attribute

Edit Operation

Section 2

Motivation

Motivation

Section 3

Example

Example

Section 4

Tool Demo

Tool Demo

Section 5

Summary

Summary

SiLift Tools

Support for High-level model-based

- Differencing
- Patching
- Merging

Contact/More information

Web

- `http://pi.informatik.uni-siegen.de/Projekte/SiLift`

Email

- `dreuling@informatik.uni-siegen.de`
- `mohrndorf@informatik.uni-siegen.de`

Personal

- Now ;-)