Erratum

Papazoglou, M.; Kraamer, B.

Published in:
Very Large Database Journal

Publication date:
1997

Erratum

A database model for object dynamics

M.P. Papazoglou[1], B.J. Krämer[2]

[1]Tilburg University, INFOLAB, P.O. Box 90153, 5000 LE Tilburg, The Netherlands; e-mail: mikep@kub.nl
[2]FernUniversität Hagen, D-58084 Hagen, Germany; e-mail: bernd.kraemer@fernuni-hagen.de

Due to a technical error, some figures of the above paper were not reproduced satisfactorily. They are printed again below:
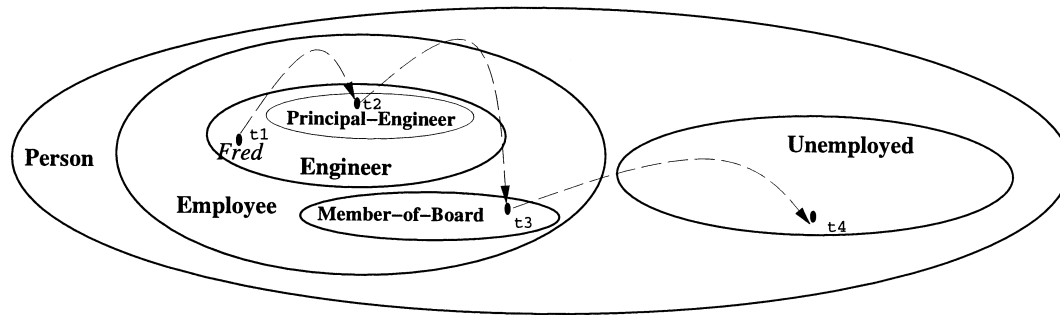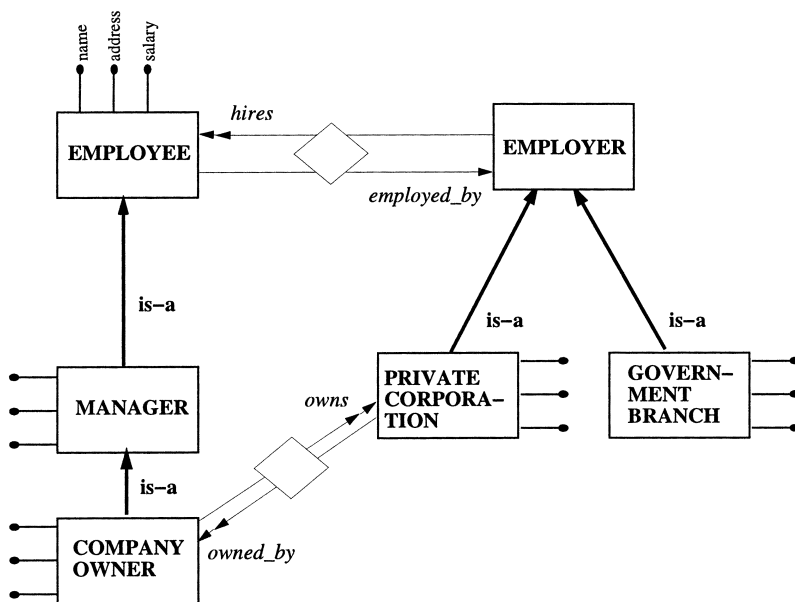

Fig. 1. Life cycle of the Fred object

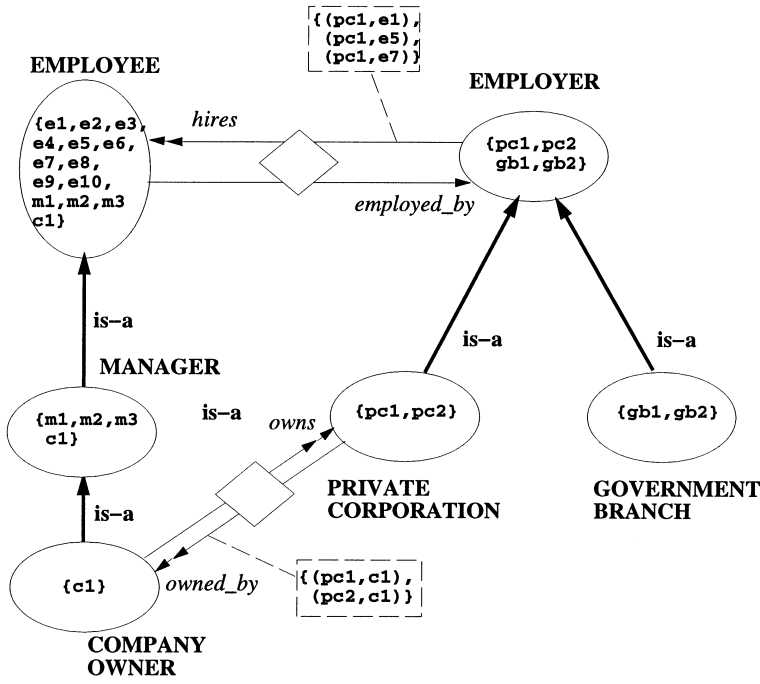**Fig. 2.** A portion of the type DAG for an `employee-employer` object base

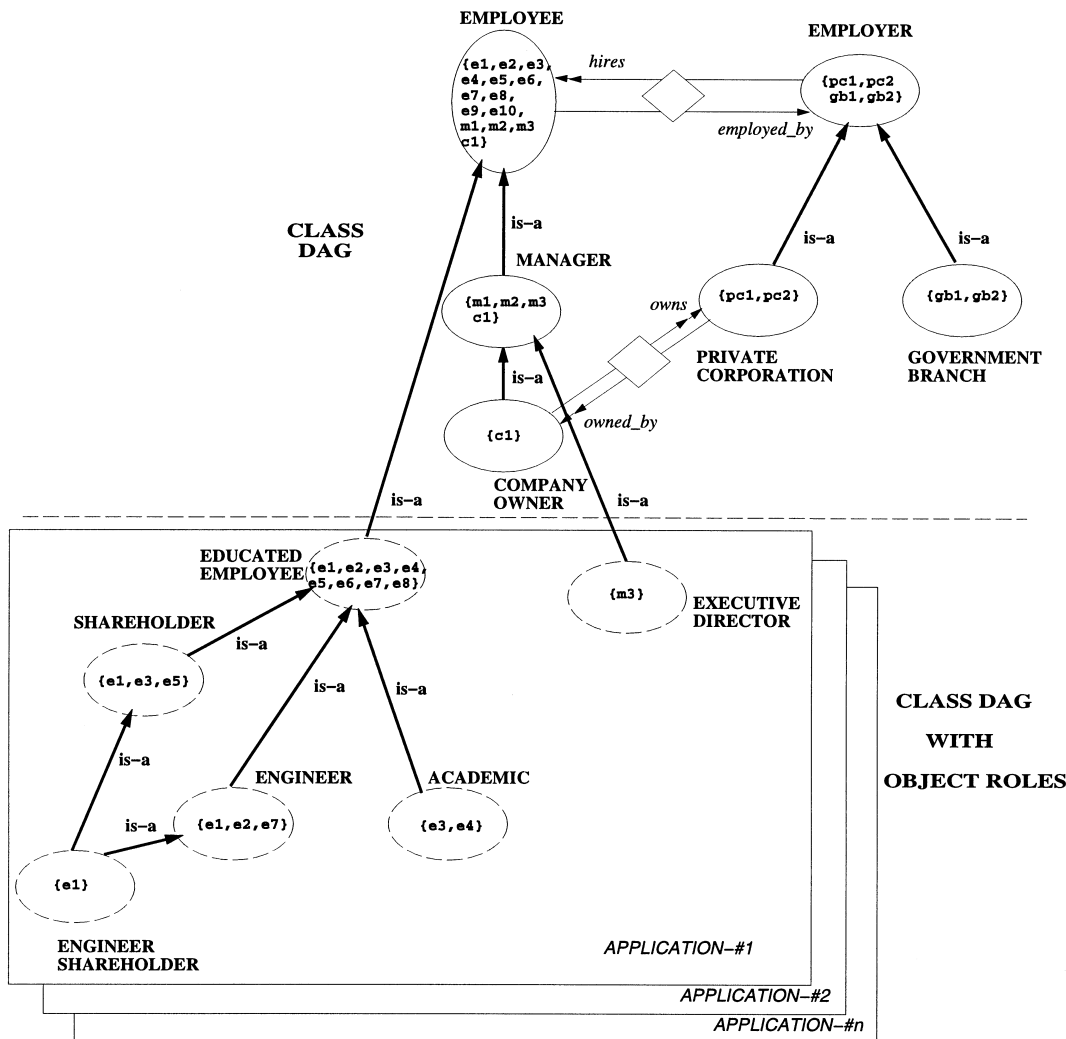**Fig. 3.** The class hierarchy for the type schema in Fig. 2

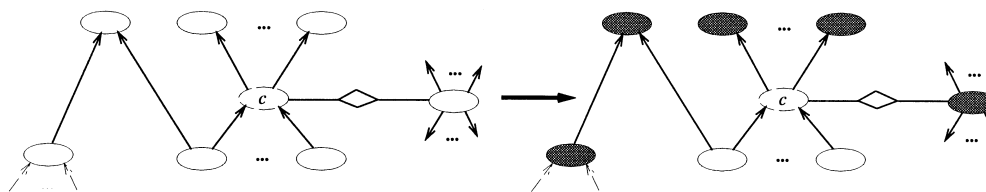**Fig. 4.** The class hierarchy for the type schema in Fig. 2 evolved with roles

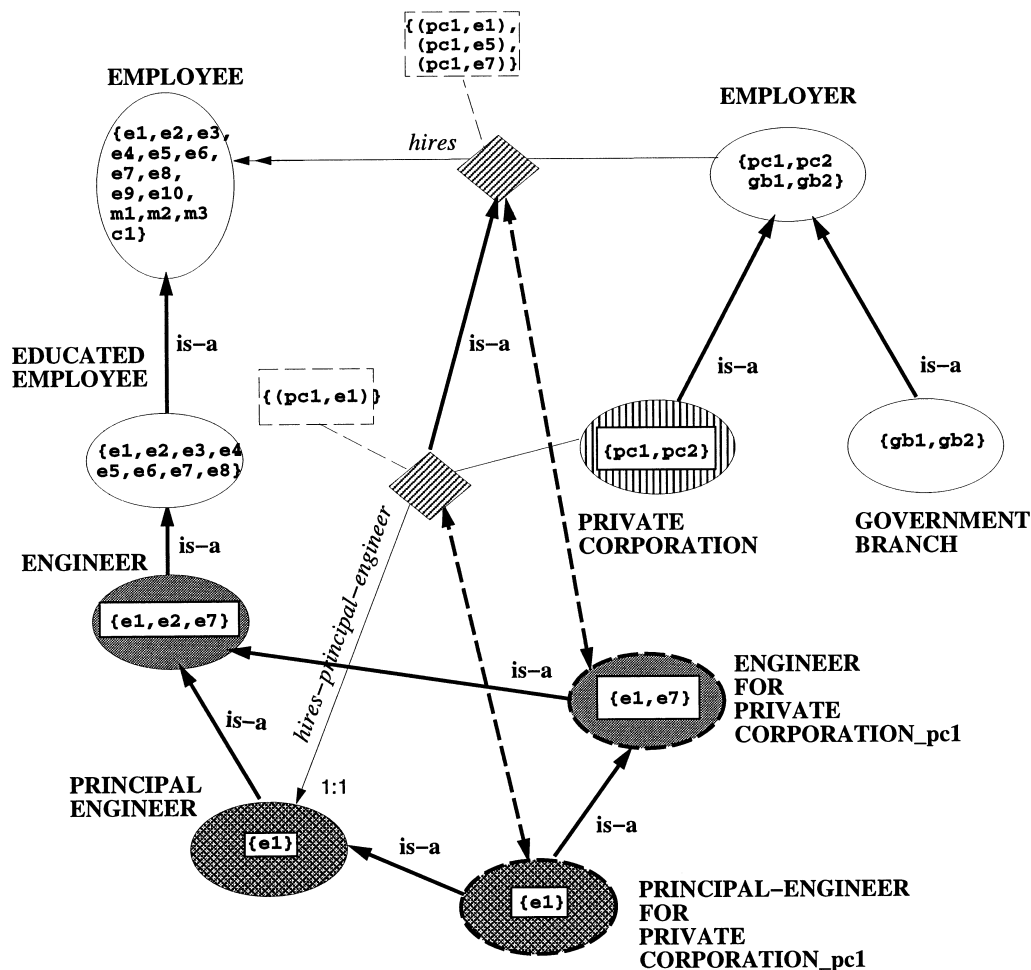**Fig. 5.** Effect of deleting a role class *c* and the remaining shadow DAG

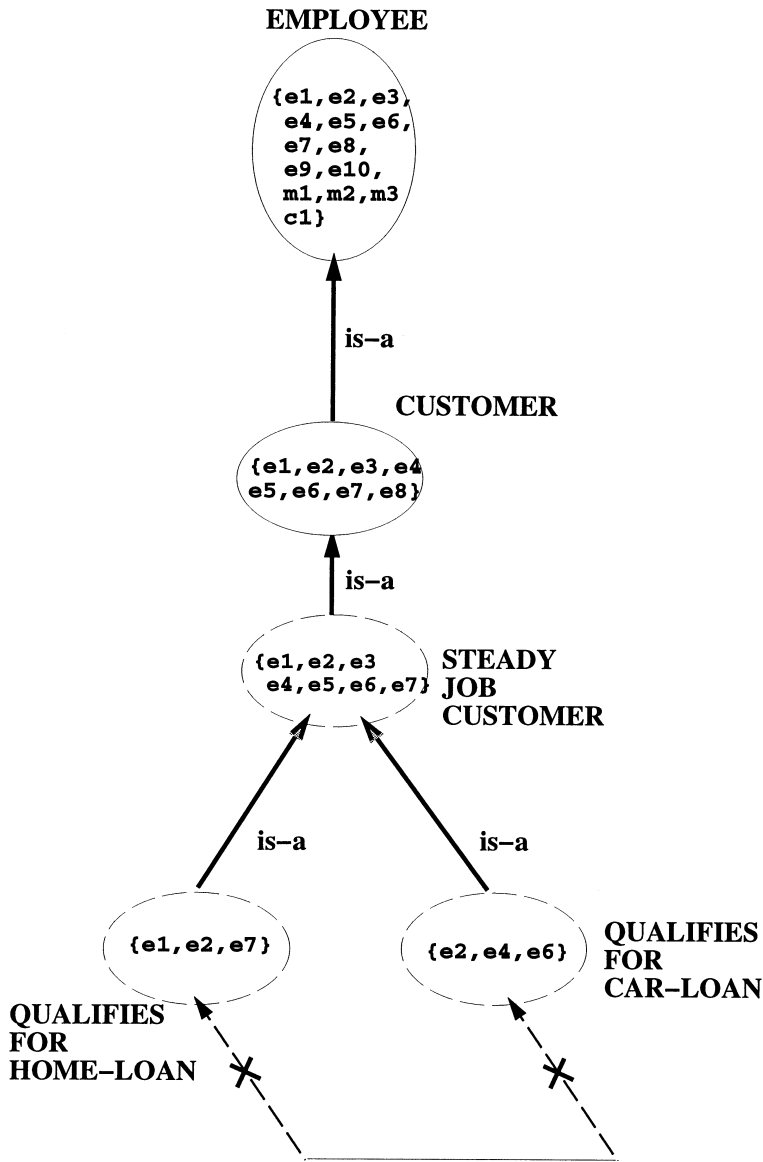**Fig. 10.** Defining dynamic object roles via the use of relationships

EMPLOYEE

{e1,e2,e3,
e4,e5,e6,
e7,e8,
e9,e10,
m1,m2,m3
c1}

is–a

CUSTOMER

{e1,e2,e3,e4
e5,e6,e7,e8}

is–a

{e1,e2,e3
e4,e5,e6,e7} **STEADY
JOB
CUSTOMER**

is–a   is–a

{e1,e2,e7}   {e2,e4,e6} **QUALIFIES
FOR
CAR–LOAN**

**QUALIFIES
FOR
HOME–LOAN**

Fig. 11. Defining dynamic object roles via reasoning

**EDUCATED
EMPLOYEE** {e1,e2,e3,e4
e5,e6,e7,e8}   **CASUAL
LECTURER**

is–a

{e6}

is–a

is–a   is–a

**SOCIAL
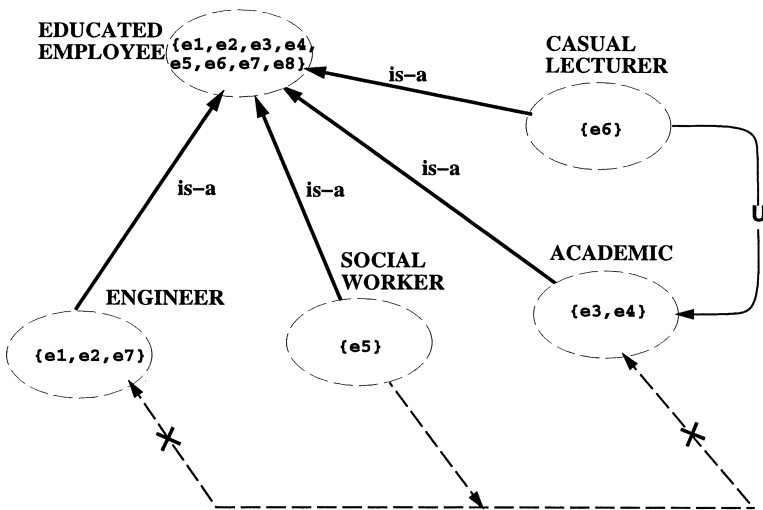WORKER**   **ACADEMIC**

ENGINEER

U

{e1,e2,e7}   {e5}   {e3,e4}

Fig. 12. Role delay and transformation