

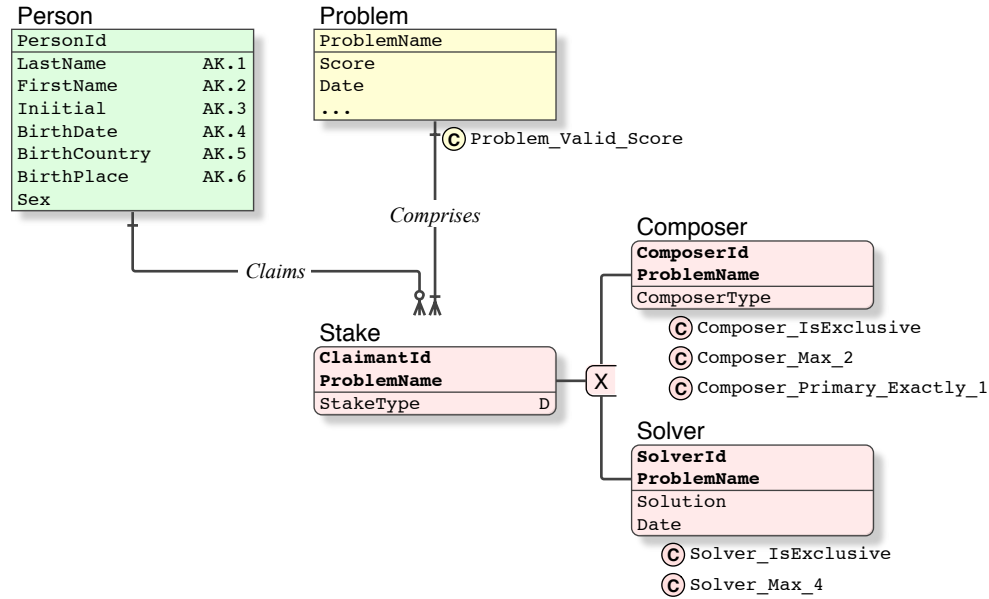
History

Increment 1

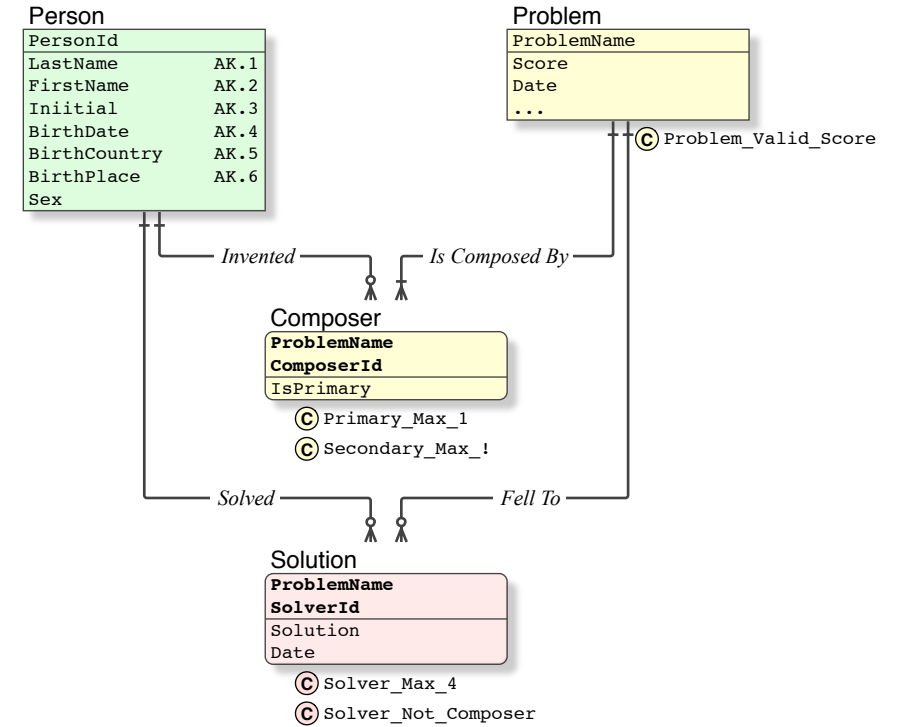
Increment 2

This is Increment 3.

Vitacolonna Model



Asirvadem Model



Resolution

Role ranges over {primary, secondary, solver}.

The Discriminator is then lost. Resolved by:

- adding StakeType{Composer|Solver}.
- adding ComposerType{Primary|Secondary}.

Naming

I have taken liberties, based on my naming standard. The benefits may be obvious. Reading the Predicates should entertain.

RoleName

The cumbersome <role.pk> is replaced with <role>. That which it is a RoleName of, is obvious.

ConstraintName

For brevity the standard prefix of TableName, which is also obvious, is omitted. The content is a name, not a condition, which should be in the expansion below.

Constraint

One constraint per condition, rather than per table, allows each to be enabled discretely.

```

    (C) Composer_Primary_Max_1
    CHECK Composer.IsPrimary[ @ProblemName ] NOT EXISTS
    (C) Composer_Secondary_Max_1
    CHECK Composer.IsPrimary[ @ProblemName ] EXISTS AND
    CHECK ( Composer.IsPrimary[ @ProblemName ] = 0 ) NOT EXISTS
    (C) Solver_Max_4
    CHECK COUNT( Solution[ @ProblemName ] ) < 4
    (C) Solver_Not_Composer
    CHECK Composer[ @ProblemName, @SolverId ] NOT EXISTS
    
```

Entity Type

Identifying Entity

Transaction

TransactionDetail

IDEFIX Notation

