

Reasoning with Conceptual Models and Derivation Rules

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#SSOW2019

Visitor-1.orm - Microsoft Visual Studio

File Edit View Project Debug Team Tools Test Analyze Window Help

Toolbox

ORM Designer

Pointer

Entity Type

Value Type

Objectified Fact Type

Unary Fact Type

Binary Fact Type

Ternary Fact Type

Role Connector

Subtype Connector

Internal Uniqueness Cons...

External Uniqueness Cons...

Equality Constraint

Exclusion Constraint

Inclusive Or Constraint

Exclusive Or Constraint

Subset Constraint

Frequency Constraint

Ring Constraint

Value Comparison Constr...

Constraint Connector

Model Note

Model Note Connector

General

There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.

Visitor-1.orm

Visitor-2.orm

Visitor-3.orm

Visitor-4.orm

Visitor-5.orm

Visitor-6.orm

ORM Model Browser

Diagrams

Object Types

Document

Document_code

IDCard

Person with ID

Person with ID_Id

SomeVisitor

Visa

Fact Types

DocumentHasDocumentCode

IDCardIsASubtypeOfDocument

PersonWithIDHasPersonWithIDId

PersonWithIDIsIdentifiedByDocument

SomeVisitorCarriesVisa

SomeVisitorIsASubtypeOfPerson with ID

VisalsASubtypeOfDocument

External Constraints

ExclusiveOrConstraint1

SubsetConstraint1

Groups

Person with ID (.Id)

Document (.code)

SomeVisitor

Visa

IDCard

is identified by / identifies

carries

Server Explorer

Toolbox

VisitorsModel

ORM Mode...

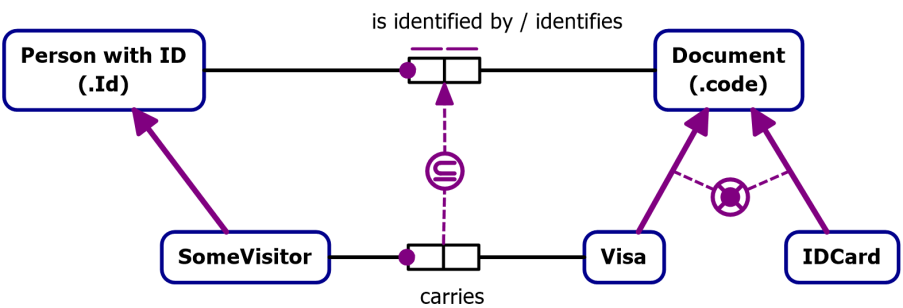
Solution Ex...

Team Explorer

Class View

Ready

Publish



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Fact Types

DocumentHasDocumentCode

IDCardIsASubtypeOfDocument

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Server Explorer

Toolbox

VisitorsModel

ORM Mode...

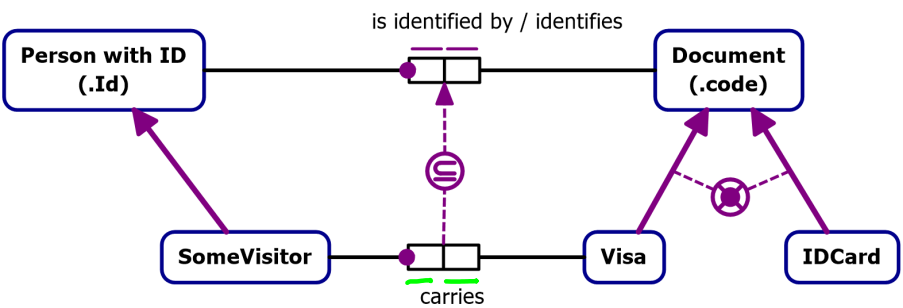
Solution Ex...

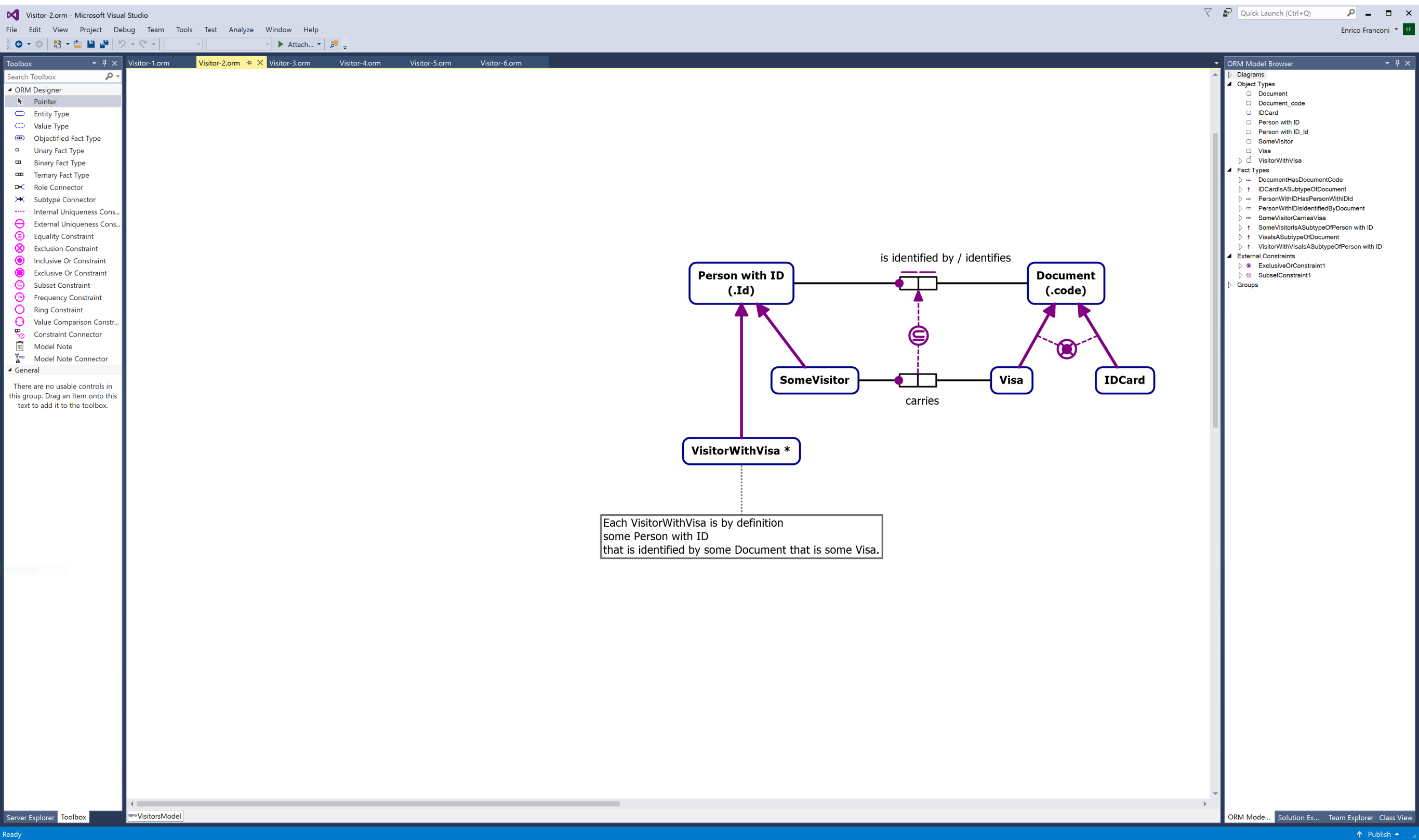
Team Explorer

Class View

Ready

Publish





Visitor-2.orm - Microsoft Visual Studio

File Edit View Project Debug Team Tools Test Analyze Window Help

Visitor-1.orm Visitor-2.orm Visitor-3.orm Visitor-4.orm Visitor-5.orm Visitor-6.orm

ORM Designer

Pointer

Entity Type

Value Type

Objectified Fact Type

Unary Fact Type

Binary Fact Type

Ternary Fact Type

Role Connector

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ORM Model Browser

Diagrams

Object Types

Document

Document_code

IDCard

Person with ID

Person with ID_Id

SomeVisitor

Visa

VisitorWithVisa

Fact Types

DocumentHasDocumentCode

IDCardsASubtypeOfDocument

PersonWithIDHasPersonWithIDId

PersonWithIDIsIdentifiedByDocument

SomeVisitorCarriesVisa

SomeVisitorIsASubtypeOfPerson with ID

VisalsASubtypeOfDocument

VisitorWithVisalsASubtypeOfPerson with ID

External Constraints

ExclusiveOrConstraint1

SubsetConstraint1

Groups

Person with ID (.Id)

Document (.code)

SomeVisitor

Visa

IDCard

VisitorWithVisa *

is identified by / identifies

carries

Each VisitorWithVisa is by definition some Person with ID that is identified by some Document that is some Visa.

Server Explorer

Toolbox

VisitorsModel

ORM Mode...

Solution Ex...

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