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| **Data Modeling Report**  Data Model - Oracle  Version 1.0 ● Proposed |
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# **D****ata Model - Oracle**

*Package «DataModel» in package 'Model'*

Data Model - Oracle

Version 1.0 Phase 1.0 Proposed

EA created on 2017/5/20. Last modified 2014/6/19

Alias

## **Data Model - Oracle diagram**

*Data Modeling diagram in package 'Data Model - Oracle'*

Data Model - Oracle

Version 1.0

EA created on 2017/5/20. Last modified 2017/5/20



1. Data Model - Oracle

## **O****racle**

*Package «Database» in package 'Data Model - Oracle'*

Oracle

Version 1.0 Phase 1.0 Proposed

EA created on 2017/5/20. Last modified 2017/5/20

Alias

### **Oracle diagram**

*Data Modeling diagram in package 'Oracle'*

Oracle

Version 1.0

邱依强 created on 2017/5/20. Last modified 2017/5/20



1. Oracle

### **F****unctions**

*Package in package 'Oracle'*

Functions

Version 1.0 Phase 1.0 Proposed

EA created on 2017/5/20. Last modified 2017/5/20

Alias

#### **Functions diagram**

*Data Modeling diagram in package 'Functions'*

Functions

Version 1.0

邱依强 created on 2017/5/20. Last modified 2017/5/20



1. Functions

### **Packages**

*Package in package 'Oracle'*

Packages

Version 1.0 Phase 1.0 Proposed

EA created on 2017/5/20. Last modified 2017/5/20

Alias

#### **Packages diagram**

*Data Modeling diagram in package 'Packages'*

Packages

Version 1.0

邱依强 created on 2017/5/20. Last modified 2017/5/21



1. Packages

#### **D****iscountPkg**

*Package in package 'Packages'*

DiscountPkg

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

Alias

### **Procedures**

*Package in package 'Oracle'*

Procedures

Version 1.0 Phase 1.0 Proposed

EA created on 2017/5/20. Last modified 2017/5/20

Alias

#### **Procedures diagram**

*Data Modeling diagram in package 'Procedures'*

Procedures

Version 1.0

邱依强 created on 2017/5/20. Last modified 2017/5/20



1. Procedures

### **Sequences**

*Package in package 'Oracle'*

Sequences

Version 1.0 Phase 1.0 Proposed

EA created on 2017/5/20. Last modified 2017/5/20

Alias

#### **Sequences diagram**

*Data Modeling diagram in package 'Sequences'*

Sequences

Version 1.0

邱依强 created on 2017/5/20. Last modified 2017/5/21



1. Sequences

#### **Seq\_Order**

*Database «dbsequence» in package 'Sequences'*

Order Auto Increment Sequence

Seq\_Order

Version 1.0 Phase 1.0

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

|  |
| --- |
|  |

#### **Seq\_Payment**

*Database «dbsequence» in package 'Sequences'*

Payment Auto increment Sequence

Seq\_Payment

Version 1.0 Phase 1.0

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

|  |
| --- |
|  |

### **Tables**

*Package in package 'Oracle'*

Tables

Version 1.0 Phase 1.0 Proposed

EA created on 2017/5/20. Last modified 2017/5/20

Alias

#### **Tables diagram**

*类 diagram in package 'Tables'*

Tables

Version 1.0

邱依强 created on 2017/5/21. Last modified 2017/5/21



1. Tables

#### **Cash\_Side\_Employees**

*Database table in package 'Tables'*

Cash\_Side\_Employees

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| Em\_ID | VARCHAR2(64) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_Cash\_Side\_Employees | Em\_ID |  |

#### **Cash\_Side\_Roles**

*Database table in package 'Tables'*

Cash\_Side\_Roles

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| Em\_Role | VARCHAR2(64) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Em\_ID | VARCHAR2(64) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_Cash\_Side\_Roles | Em\_Role, Em\_ID |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_Em\_play\_Roles\_Cash\_Side\_Employees | Em\_ID | Cash\_Side\_Employees(Em\_ID) |

#### **Discount\_Goods**

*Database table in package 'Tables'*

Discount\_Goods

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| Rule\_UUID | CHAR(32) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Good\_ID | VARCHAR2(64) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_Discount\_Goods | Rule\_UUID, Good\_ID |  |

|  |  |  |
| --- | --- | --- |
| **TYPE / NAME** | **COLUMNS** | **COMMENTS** |
| «index» IXFK\_Discount\_Goo\_Discoun01 | Rule\_UUID |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_Rules\_have\_Goods | Rule\_UUID | Discount\_Rules(Rule\_UUID) |

#### **Discount\_Rules**

*Database table in package 'Tables'*

Discount\_Rules

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| Rule\_UUID | CHAR(32) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Rule\_Type | VARCHAR2(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Em\_ID | VARCHAR2(64) | True |  |
| Rule\_Name | VARCHAR2(50) | True |  |
| Discount\_Rate | NUMBER(8,2) | False |  |
| Free\_Money | NUMBER(8,2) | False |  |
| Sprcial\_Price | NUMBER(8,2) | False |  |
| Condition\_Value | NUMBER(8,2) | False |  |

|  |  |  |
| --- | --- | --- |
| **TYPE / NAME** | **COLUMNS** | **COMMENTS** |
| «index» PK\_Discount\_Rules | Rule\_UUID |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_Em\_Create\_Rules\_Discount\_Rules | Em\_ID | Cash\_Side\_Employees(Em\_ID) |

#### **ERD\_naryAssociation1**

*Database table in package 'Tables'*

ERD\_naryAssociation1

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

#### **Orders**

*Database table in package 'Tables'*

Orders

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| Order\_ID | CHAR(32) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Order\_Sum | NUMBER(8,2) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Sum\_Money | NUMBER(10,2) | True |  |
| Order\_Cus\_ID | VARCHAR2(50) | False |  |
| Order\_Status | VARCHAR2(50) | True |  |
| Payment\_ID | CHAR(32) | False |  |
| EM\_ID | VARCHAR2(64) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_Orders | Order\_ID |  |

|  |  |  |
| --- | --- | --- |
| **TYPE / NAME** | **COLUMNS** | **COMMENTS** |
| «index» IXFK\_Payment\_has\_Orders\_P01 | Payment\_ID |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_Em\_Responsible\_Orders | EM\_ID | Cash\_Side\_Employees(Em\_ID) |

|  |  |  |
| --- | --- | --- |
| FK\_Payment\_has\_Orders\_Payments | Payment\_ID | Payments(Payment\_ID) |

#### **Payments**

*Database table in package 'Tables'*

Payments

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| Payment\_ID | CHAR(32) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Payment\_Sum | NUMBER(16,2) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| PAYMENT\_CHANNELSIDE\_ID | VARCHAR2(64) | True |  |
| Payment\_Channel | VARCHAR2(64) | True |  |
| EM\_ID | VARCHAR2(64) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_Payments | Payment\_ID |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_Em\_Responsible\_Payments | EM\_ID | Cash\_Side\_Employees(Em\_ID) |

#### **Presents**

*Database table in package 'Tables'*

Presents

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| Present\_UUID | CHAR(32) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Present\_Type | VARCHAR2(64) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Present\_Condition\_Value | NUMBER(8,2) | False |  |
| Present\_Discount\_Value | NUMBER(8,2) | False |  |
| Rule\_UUID | CHAR(32) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_Presents | Present\_UUID |  |

|  |  |  |
| --- | --- | --- |
| **TYPE / NAME** | **COLUMNS** | **COMMENTS** |
| «index» IXFK\_Rule\_has\_many\_Presen01 | Rule\_UUID |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_Rule\_has\_many\_Presents\_Discount\_Rules | Rule\_UUID | Discount\_Rules(Rule\_UUID) |

#### **Rules\_Orders**

*Database table in package 'Tables'*

Rules\_Orders

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| Rule\_UUID | CHAR(32) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Order\_ID | CHAR(32) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_Rules\_Orders | Rule\_UUID, Order\_ID |  |

|  |  |  |
| --- | --- | --- |
| **TYPE / NAME** | **COLUMNS** | **COMMENTS** |
| «index» IXFK\_Rules\_Orders\_Discoun01 | Rule\_UUID |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_Rules\_Orders\_Discount\_Rules |  | Discount\_Rules() |

|  |  |  |
| --- | --- | --- |
| FK\_Orders\_Rules\_Orders | Order\_ID | Orders(Order\_ID) |

#### **Saled\_Goods**

*Database table in package 'Tables'*

Saled\_Goods

Version 1.0 Phase 1.0 提议的

邱依强 created on 2017/5/21. Last modified 2017/5/21

DBMS Oracle

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| Good\_ID | VARCHAR2(64) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Date | DATE | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Sum | NUMBER(8,2) | True |  |
| Price | NUMBER(9,2) | True |  |
| Order\_ID | CHAR(32) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_Saled\_Goods | Good\_ID, Date |  |

|  |  |  |
| --- | --- | --- |
| **TYPE / NAME** | **COLUMNS** | **COMMENTS** |
| «index» IXFK\_Order\_has\_many\_Goods01 | Order\_ID |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_Order\_has\_many\_Goods\_Orders | Order\_ID | Orders(Order\_ID) |

### **Views**

*Package in package 'Oracle'*

Views

Version 1.0 Phase 1.0 Proposed

EA created on 2017/5/20. Last modified 2017/5/20

Alias

#### **Views diagram**

*Data Modeling diagram in package 'Views'*

Views

Version 1.0

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1. Views