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Created 3/10/2018

Modified 3/14/2018

Project

Model

Company

Author

Version

Database Oracle 10g

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-- Create Types section

-- Create Tables section

Create table "MEMBER" (

"MEM\_ID" Number(20,0) NOT NULL ,

"MEM\_NAME" Varchar2 (50) NOT NULL ,

"MEM\_UNAME" Varchar2 (50) NOT NULL ,

"MEM\_PW" Number(38,0) NOT NULL ,

"MEM\_ADDRESS" Varchar2 (200),

"MEM\_EMAIL" Varchar2 (100),

"MEM\_PHONE" Number(30,0) NOT NULL ,

primary key ("MEM\_ID")

)

/

Create table "STAFF" (

"STAFF\_ID" Number(20,0) NOT NULL ,

"STAFF\_UNAME" Varchar2 (50) NOT NULL ,

"STAFF\_PW" Number(38,0) NOT NULL ,

"STAFF\_STATUS" Varchar2 (20) NOT NULL ,

"MEM\_ID" Number(20,0) NOT NULL ,

"STAFF\_PHONE" Varchar2 (30),

"STAFF\_EMAIL" Varchar2 (100),

"STAFF\_ADDRESS" Varchar2 (200),

"STAFF\_TYPE" Varchar2 (20),

primary key ("STAFF\_ID")

)

/

Create table "REWARD" (

"REWARD\_ID" Number(20,0) NOT NULL ,

"REWARD\_ReqStar" Number(10,0) NOT NULL ,

"REWARD\_STOCK" Number(30,0) NOT NULL ,

"REWARD\_NAME" Varchar2 (20),

primary key ("REWARD\_ID")

)

/

Create table "REDEEM" (

"REWARD\_ID" Number(20,0) NOT NULL ,

"MEM\_ID" Number(20,0) NOT NULL ,

"REDEEM\_ID" Number(20,0) NOT NULL ,

"REDEEM\_DATE" Date NOT NULL ,

"REDEEM\_QUANTITY" Number(10,0) NOT NULL ,

"STAFF\_ID" Number(20,0) NOT NULL ,

primary key ("REWARD\_ID","MEM\_ID","REDEEM\_ID")

)

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Create table "ORDERS" (

"ORDERS\_ID" Number(20,0) NOT NULL ,

"ORDERS\_DATE" Date NOT NULL ,

"ORDERS\_TIME" Timestamp(6) with local time zone NOT NULL ,

"ORDERS\_STATUS" Varchar2 (30) NOT NULL ,

"STAFF\_ID" Number(20,0) NOT NULL ,

primary key ("ORDERS\_ID")

)

/

Create table "PRODUCT" (

"PRODUCT\_ID" Number(20,0) NOT NULL ,

"PRODUCT\_DESCRIPTION" Varchar2 (100),

"PRODUCT\_STATUS" Varchar2 (20) NOT NULL ,

"PRODUCT\_PRICE" Number(5,0),

"PRODUCT\_NAME" Varchar2 (30) NOT NULL ,

primary key ("PRODUCT\_ID")

)

/

Create table "INVENTORY" (

"INVENTORY\_ID" Number(20,0) NOT NULL ,

"INVENTORY\_NAME" Varchar2 (30) NOT NULL ,

"INVENTORY\_QUANTITY" Number(20,0) NOT NULL ,

"INVENTORY\_COST" Number(20,0) NOT NULL ,

"INVENTORY\_STATUS" Varchar2 (20) NOT NULL ,

primary key ("INVENTORY\_ID")

)

/

Create table "DETAIL" (

"ORDERS\_ID" Number(20,0) NOT NULL ,

"PRODUCT\_ID" Number(20,0) NOT NULL ,

"DETAIL\_ID" Number(20,0) NOT NULL ,

"DETAIL\_QUANTITY" Number(20,0) NOT NULL ,

"DETAIL\_SWEETNESS" Varchar2 (20) NOT NULL Check (0%, 30%, 50%, 70%, 100% ) ,

"DETAIL\_COLDNESS" Varchar2 (20) NOT NULL Check (0%, 30%, 50%, 70%, 100% ) ,

"DETAIL\_ADDPARTS" Varchar2 (30) NOT NULL ,

"DETAIL\_STATUS" Varchar2 (30) NOT NULL ,

primary key ("ORDERS\_ID","PRODUCT\_ID","DETAIL\_ID")

)

/

Create table "INGREDIENT" (

"INVENTORY\_ID" Number(20,0) NOT NULL ,

"PRODUCT\_ID" Number(20,0) NOT NULL ,

"ING\_ID" Number(20,0) NOT NULL ,

"ING\_NAME" Varchar2 (30) NOT NULL ,

"ING\_QUANTITY" Number(30,0) NOT NULL ,

primary key ("INVENTORY\_ID","PRODUCT\_ID","ING\_ID")

)

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-- Create section for PKs, AKs and Unique constraints, which have to be generated after Indexes

-- Create Foreign keys section

Alter table "STAFF" add foreign key ("MEM\_ID") references "MEMBER" ("MEM\_ID")

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Alter table "REDEEM" add foreign key ("MEM\_ID") references "MEMBER" ("MEM\_ID")

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Alter table "REDEEM" add foreign key ("STAFF\_ID") references "STAFF" ("STAFF\_ID")

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Alter table "ORDERS" add foreign key ("STAFF\_ID") references "STAFF" ("STAFF\_ID")

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Alter table "REDEEM" add foreign key ("REWARD\_ID") references "REWARD" ("REWARD\_ID")

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Alter table "DETAIL" add foreign key ("ORDERS\_ID") references "ORDERS" ("ORDERS\_ID")

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Alter table "DETAIL" add foreign key ("PRODUCT\_ID") references "PRODUCT" ("PRODUCT\_ID")

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Alter table "INGREDIENT" add foreign key ("PRODUCT\_ID") references "PRODUCT" ("PRODUCT\_ID")

/

Alter table "INGREDIENT" add foreign key ("INVENTORY\_ID") references "INVENTORY" ("INVENTORY\_ID")

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-- Create Object Tables section

-- Create XMLType Tables section

-- Create Functions section

-- Create Sequences section

-- Create Packages section

-- Create Synonyms section

-- Create Table comments section

-- Create Attribute comments section