Every order has one sales Josh's Landscaping Assistant and sales assistants handle many orders Nicholas, Nicole, Steven, Yehya | April 5, 2019 Service Every invoice can have multiple services, and services can be Sales Assistant carried out on many invoices GENERATED AS Store Invoice Service Invoice Sales IDENTITY NUMBER(6,0) Services Assistant ID GENERATED AS FK, NOT NULL, PRIMARY KEY Invoice Invoice ID | IDENTITY PRIMARY NUMBER(6.0) REFERENCES NUMBER(6, 0) Service Code PK CHAR(2) ID VARCHAR(15) First Name NOT NULL Invoice(Invoice ID) Customer can either shop at VARCHAR(20) Description Last Name NOT NULL VARCHAR(15) FK, NOT NULL FK, NOT NULL, NULL the store or order a service Customer ID REFERENCES NUMBER(6,0) Service REFERENCES CHAR(2) Hourly Charge NULL Customer(Customer ID) Code Services(Service NUMBER(4,2) This table refers to one Code) FK, NOT NULL, item in a single order Customer Team ID RERFERENCES NUMBER(6, 0) Work NUMBER(4,2) NOT NULL GENERATED Team ID(Team) Duration Orders Customer ID AS IDENTITY NUMBER(6, 0) DATE DEFAULT Order/Item Invoice Date NOT NULL PRIMARY KEY GENERATED SYSDATE FK, NOT NULL, AS IDENTITY VARCHAR(10) NOT NULL Firstname Order ID NUMBER(6.0) Order ID REFERENCES NUMBER(6,0) PRIMARY NOT NULL VARCHAR(15) Lastname Equipment/Service Order(Order ID) KEY VARCHAR(30) Street Field FK. NOT NULL. A service may require more DATE FK. NOT NULL NUMBER(6.0) REFERENCES than one piece of equipment Item ID NOT NULL DEFAULT REFERENCES Order date Postal Code Field CHAR(6) Serivce CHAR(2) Item(Item ID) (or none at all) and each SYSDATE Code Services(Service CHAR(10) Phone number NOT NULL piece of equipment could be Code) Amt. Ordered NOT NULL NUMBER(2,0) FK, NOT used on many services (or VARCHAR(20) City Field A team handles many NULL, FK, NOT NULL, NUMBER(4,2) none at all) Quoted price NOT NULL invoices and a invoice has Customer ID REFERENCES NUMBER(6,0) Equip ID REFERENCES NUMBER(4,0) CHECK('ON'. CHAR(2) Province only one team involved Equipment(Equip ID) Customer An order has many Items (Customer ID) and a particular item can be VARCHAR(35) Email Field purchased many times FK. NOT Zip CHAR(5) Field NULL. GENERATED AS REFERENCES Team ID | IDENTITY PRIMARY | NUMBER(6, 0) Sales NUMBER(6,0) Sales assistant ID Assistant Equipment Description NOT NULL VARCHAR(25) (Sales GENERATED Assistant ID) A specific skill may be very long AS IDENTITY NUMBER(4,0) Equip ID GENERATED AS to describe. Thus, putting it in its A team has many PRIMARY KEY Item ID IDENTITY PRIMARY NUMBER(3, 0) own table will not allow it to be Look-up table for classification employees but an employee repeated. Only a code will be Description NOT NULL VARCHAR(20) information is only assigned to one repeated NOT NULL VARCHAR(25) NUMBER(3,0) description team. Amount NOT NULL Skill Codes Classification NOT NULL, CHECK NUMBER(2, 0) Contains all skills an employee BETWEEN 1 AND 20 CHAR(2) CHAR(2) Code PK Code Employees can possibly have FK, NOT NULL, VARCHAR(20) Description NOT NULL VARCHAR(20) Description NOT NULL OHIP Unique, NOT NULL VARCHAR(9) Supplier_ID REFERENCES NUMBER(2) Markup NOT NULL NUMBER(4,2) VARCHAR(10) Firstname NOT NULL Suppliers(Supplier_ID) Lastname NOT NULL VARCHAR(15) Stock NOT NULL NUMBER(2, 0) Markup appears to be the same for all FK. NOT NOT NULL, FK, Classification items with the same classification code Skills Team ID NULL, REFERENCES NUMBER(2) REFERENCES CHAR(2) according to the example given. Thus, it Code Team(Team ID) Classification(Code) FK, NOT NULL, was placed in the classification table. A specific position type may be REFERENCES NUMBER(4) FK, NOT NULL, NUMBER(5, 2) NOT NULL Cost ID Position very long to describe. Thus, REFERENCES Employees(Emp ID) CHAR(2) putting it in its own table will not Code Positions(Code) allow it to be repeated. Only a FK, NOT NULL. Skill code will be repeated REFERENCES CHAR(3) GENERATED AS code Employees(Emp ID) Emp ID | IDENTITY PRIMARY | NUMBER(4) Positions Suppliers KFY CHAR(2) Code PK Supplier_ID PK NUMBER(2) A specific supplier name may be Phone NOT NULL CHAR(10) very long. Thus, putting it in its Description | NOT NULL | VARCHAR(20) An employee can have many number NOT own table will not allow it to be VARCHAR(30) Description skills and different employees NULL repeated. Only an ID will be DATE, may have the same skill repeated DEFAULT Start date SYSDATE