



Data and Requirement Analysis Report

- Entities and their definitions.
- Business processes and their definitions.
- Business rules, constraints, etc.
- Other functional & non-functional business requirements.
- Customer-related documents

Elz Cosmetics Database System Prepared By

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Introduction

The goal of this project is to create a database system and integrate it into the website for ELZ Cosmetics. We preferred database system technology is MS SQL.

Overview

Following the development of a database system for ELZ corporation, each customer can see which items are available for the product they wish to purchase. To begin, we will use MSSQL to implement this database. We will construct our database system after we have determined the entities and their relationships. The database will then be integrated with the ELZ Cosmetics website.

A) Entities and their definitions:

- **Company:** An organization that manufactures or sells goods or services.
- **Customer:** Customers buy cosmetic products from our company.
- **Product:** It is the product that our company sells in its stores or marketplaces (n11.com, hepsiburada.com, etc.). It is purchased in bulk from manufacturers.
- **Storage:** Inventories store cosmetic products received from manufacturers.
- **Order:** Sales and shipment information records.
- **Employee:** Employees in our organization. They are classified according to their department.
- **Logistics:** The companies in charge of moving cosmetics between our business and customer.

B) Business processes and their definitions:

- The cosmetic items are manufactured by the producer and delivered to our company by a logistics company.
- The quality control department examines whether the ordered cosmetic items have negative effect on human health, deformed, or have passed their expiration date. If this is the case, they are returned to the producer. The cost of deformed and expired items is refunded to our bank account.
- Ordered cosmetic items are kept in storage and are classified by employees in the operations department.
- The marketing department organizes the shop's demands, while the sales department sells them.
- A sale record is kept for each sale.
- A logistics company delivers cosmetic products to shops.
- If a store or individual consumer requests a return, the logistic business will send the cosmetic item back to inventory. Every request for a refund is kept in a database. The cost of returned cosmetic products is sent to the retailer's bank account.
- The products are returned to storage by the logistic company if a customer requests a modification. Every request for a change is kept in a database.

C) Business rules, constraints, etc.

- The company has a unique tax id, company name, address (composed of country, city, postal code), bank account number, contracted logistics company tax number (it can be more than one). The company manufactures a variety of cosmetic items. Companies may issue many orders.
- Customer has a unique id, name composed of first name and last name, Address (Country, City, Street), BankAccount.
- Customers can buy one too many products.
- Products have a unique product id, name, brand (producer), type, bought price, sold price.
- Department has a unique department number, name, manager ssn, number of workers (derived).
- The department must have many employees and be managed by exactly one employee.
- Employee has a unique ssn, name composed of firstname and lastname, birthdate, derived age, department number, gender, address (composed of country, city, postal code), salary.
- Logistics has a unique id, company name, address (composed of country, city, postal code). Logistics can transport many orders.
- Storage has a unique storage code, address (composed of country, city, postal code)
- Storage can issue many orders. Storage may receive many orders.
- The order has a unique orderID, order date, and total price (derived). The order must be transported exactly by logistics. An order was sent to exactly one store.

An order has been sent to exactly one warehouse. The order must be placed exactly by one warehouse. An order should contain many cosmetic products.

D) Other functional & non-functional business requirements:

a) Functional Requirements:

- Creating, reading, updating and deletion of all entities.
- Filtering of cosmetic items by their attributes.
- Exporting data to excel.
- Return and change features.
- Storage of sale records.

b) Non-Functional Requirements:

- Web interface.
- The database engine will be Microsoft SQL server.
- Meeting at least 1 time a day.
- Submitting a report of each step.

E) Customer-related documents:

8



İL KODU 34

İRSALİYELİ FATURA

Seri A

Sıra **Nº 01143**



**ELZ KOZMETİK SAÇ ve CİLT BAKIM
ÜRN.İTH.İHR.TİC.LTD.ŞTİ**

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Tikveşli Sk. No.:67 TR.34140 Topçular - Eyüp / İSTANBUL

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Fiili Sevk Tarihi :

Düzenleme Tarihi : 09.12.2022

Düzenleme Saati : 09.12.2022

13:14:36

Müşteri V. D.:

Vergi No:

| KOD NO. | AÇIKLAMA | BİRİM | MİKTAR | BİRİM FİYATI | TOPLAM |
|--------------|---|-------|--------|--------------|--------------|
| BH AW-C 50 | COENZYME Q10 SIKILASTIRICI KREM / 50 ML) | ADET | 2 | 55.00 TL TL | 112.00 TL TL |
| QR PTX-S 200 | PEPTIX HAIR LOSS TREATMENT SHAMPOO (200 ML) | ADET | 5 | 98.00 TL TL | 490.00 TL TL |

Yalnız: ALTİYÜZİKİ TL SIFIR Krş'dir.
Son Bakiyeniz : 602.54 TL dir.

KDV HARİC TOPLAM : 602.00

ARA TOPLAM : 510.17

TOPLAM KDV : 91.83

GENEL TOPLAM : 602.00

<http://www.qrcosmetics.com> - info@qrcosmetics.com

BasımYeri:Ekiz matbaacılık - Ali Ekiz Demirkapı Cad. Paşmakçı Sit. No.20/82 Topçular-İST. Tel:(0212) 567 74 85 B.Paşa VD. 26479768302 Anl.Tar.23-02-2021 B.Yılı 2021 İl Kodu:34

* Bu faturanın son ödeme tarihi.....dir.

Geç ödemelerde aylık % 7 vade farkı uygulanır.

Fatura muhatabı bu şartları kabul etmiş sayılır.Fatura itiraz

süresi 7 gündür. 7 gün içinde itiraz edilmeyen fatura

kabul edilmiş sayılır.

* Bu belgenin sevk edilen malla birlikte bulunması
halinde ayrıca Sevk irsaliyesi aranmaz.

BANKA HESAP NUMARALARI

İş Bankası Topçular Şb. Hesap No:1129-254323

IBAN: TR60 0006 4000 0011 1290 2543 23

Garanti Bankası Topçular Şb. Hesap No:311-6296025

IBAN: TR05 0006 2000 3110 0006 2960 25

Eksiksiz Teslim Eden
İmza

Eksiksiz Teslim Alan
İmza

T.C.
EYÜP
8.NOTERLİĞİEYÜP 8. NOTERİ
HÜSEYİN GEDİKRami Kışla Cd.
Yöntem Vaytaş Plaza
K.3 N.61
Eyüp/İstanbul
Tel : 0212-576 86 69

İMZA SİRKÜLERİ

ŞİRKETİN ÜNVANI.....: ELZ KOZMETİK SAÇ VE CİLT BAKIM ÜRÜNLERİ
İTHALAT İHRACAT TİCARET LIMITED ŞİRKETİ
ŞİRKETİN ADRESİ.....: İstanbul, Eyüp, Topçular Rami Kışla cd.
Tikveşli sk.Emintaş 3.San.Sit.N.67
VERGİ DAİRESİ VE VERGİ NOSU.: Bayrampaşa V.D.627 041 9152
YETKİLİ.....: İSMAIL ELLEZ
TİCARET SİCİL ADI.....: İstanbul
TİCARET SİCİL NO.....: 865654

T.C.İstanbul Ticaret Sicili Müdürlüğünden (Perpa) 149656-2013 sayılı belge ile 25.4.2013 tarihinde tescil edildiği görülen Eyüp 8.Noterliğinden 10.04.2013 tarih ve 4167 yev.no ile tastikli şirket anasözleşmesinin 8.maddesinde:

"Şirketin işleri ve işlemleri genel kurul tarafından seçilecek bir veya birkaç müdür tarafından yürütülür. Şirketin devamı süresince İsmail ELLEZ şirket müdürü seçilmiştir."

9.maddesinde:

"Şirketi müdürler temsil ve ilzam ederler. Şirketi temsil ve ilzam edecek imzalar genel kurul tarafından tespit, tescil ve ilan olunur. Şirketin devamı süresince şirket müdürü seçilen İsmail ELLEZ'e münferit imzası ile temsil ve ilzam yetkisi verilmiştir."

denildiğinden imzalarımın onaylanmasını talep ederim.

ELZ KOZMETİK SAÇ VE CİLT BAKIM ÜRÜNLERİ İTHALAT İHRACAT TİCARET LIMITED ŞİRKETİ adına şirket müdürü: İSMAIL ELLEZ

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Bu Onaylama işlem (N.K.90.md.) altındaki imzanın gösterdiği, Fatih Nüfus Müdürlüğü'nden verilmiş 21.2.2012 tarih, 4374 kayıt, C13 seri ve 241299 numaralı fotoğraflı Nüfus Cüzdanına göre Bilecik ili Pazaryeri ilçesi Doğanlar mahallesi, 4 cilt, 69 aile sıra, 21 sıra numaralarında nüfusa kayıtlı olup, baba adı Mustafa, ana adı Şükriye, doğum tarihi 1.4.1969, doğum yeri Pazaryeri olan ve okur yazar olduğunu söyleyen, 34204059366 T.C. kimlik numaralı İSMAIL ELLEZ adlı kişiye ait olduğunu ve dairede huzurumda imzalandığını onaylarım. İkibinonüç yılı Mayıs ayının ikinci günü 02.05.2013

Dayanak: T.C.İstanbul Ticaret Sicili Müdürlüğünden (Perpa) 149656-2013 sayılı belge ile 25.4.2013 tarihinde tescil edildiği görülen Eyüp 8.Noterliğinden 10.04.2013 tarih ve 4167 yev.no ile tastikli şirket anasözleşmesinin ilgili maddeleri sirküler metnine aynen aktarılmış olup yine aynı belge ile 25.4.2013 tarihinde tescil edildiği görülen Eyüp 8.Noterliğinden 22/47/2013 tarih ve 4608 yev.no ile tastikli düzeltme beyanı görülmüştür.

EYÜP 8. NOTERİ
HÜSEYİN GEDİK
Vekili İmzaya Yetkili
Başkatip GÖNÜL TALTINAR

