# amblem, simge, sembol, logo, ticari marka içeren bir resim Açıklama otomatik olarak oluşturuldu

**UNIVERSITY OF TURKISH AERONAUTICAL ASSOCIATION**

**ENGINEERING FACULTY**

**DEPARTMENT OF COMPUTER ENGINEERING**

**CENG 301 LAB Project**

**Project Title:**

Human Resources Management Application

**Project Member(s):**

Fevzi FİDAN

Hikmet ÇATAK

Ömer Faruk AZİLİ

**Project Advisor**

Ahmet Serkan KARATAŞ, Ayşe Beyza ÜNAL

**17.11.2024**

Table of Content

* 1. **Project Introduction  
     1.1 Project Overview**

Briefly describe the purpose and objectives of the database project.

**1.2 Project Team**

**Roles and Responsibilities:**

Fevzi FİDAN: Responsible for creating the user interface and ensuring its usability.

Database Developer: Responsible for designing and implementing the database.

Interface Design Developer: Responsible for creating the user interface and ensuring its usability.

Other Managed Tasks: Specify any additional responsibilities managed by the team.

* 1. **Project Scope**

Clearly define the scope of the database project, including its intended functionalities and limitations.

* 1. **Database Design  
     2.1 Introduction**

Provide an introduction to the database design, highlighting its purpose and significance in the context of the project.

**2.2 Entity-Relationship Diagram (ERD)**

Include a clear and well-labeled ERD that illustrates the entities, relationships, and attributes in the database (e.g., tables, primary keys, foreign keys, etc.).  
(Include an example diagram for clarity.)

metin, ekran görüntüsü, diyagram, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu

* 1. **Data Dictionary**

Provide a detailed data dictionary that defines each table, its columns, data types, and any constraints. Explain all the entities and their relationships as derived from the tables.

* 1. **Database Implementation**  
     3.1 **Database Management System**

Specify the Database Management System (DBMS) used for the project (e.g., MySQL, PostgreSQL, Oracle, etc.).

* 1. **Database Connectivity**

Detail the process for connecting the database with the application or system. Include connection parameters, protocols, and any relevant configurations. Show the code used for establishing the connection and explain how it works.

* 1. **Interface Design**  
     5.1 **User Interface Design**

The interface of the project has been developed in Python. We used PyQt6 GUI toolkit.

Specify the programming languages and tools used to create the interface (e.g., Java, C#, PHP, HTML, CSS, etc.).

* 1. **Interface Overview**

Provide screenshots of each interface page, explaining its purpose and functionality. ( Examples: Login Page, Product Management Page (e.g., Add Product, Delete Product), Customer Information Page, Navigation and Buttons, ect…)

* 1. **Appendices**
* Include all relevant code used for the project, organized by functionality (e.g., database schema, connectivity code, interface design scripts).

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* 1. **System Testing and Validation**

**(No writing here—this section is for live demonstration!!)**

* After presenting all components, test the program in front of your classmates.
* Demonstrate functionalities like adding, deleting, and modifying records through the interface and confirm that the changes are reflected in the database.