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Database Design Report

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# Functional Requirements

* The Database must store and manage the data required to support all related Front-End application functional & technical requirements.
* The DBMS must integrate with a RESTful API to provide Front-End applications with access to data

# Technical Requirements

-The DBMS must be network/internet accessible

-The DBMS must be secure and be able to support multiple database user accounts

-The DBMS must support the settings of permissions, specific to each user account

-The DBMS must support automated backup functionality

-The DBMS must support recovery manager functionality to support recovery from backup / logs in the event of failure

-The DBMS must support the post deployment alteration of database structure in response to changing / evolving requirements.

# ERD

Diagram

Description automatically generated

# Relational Schema

* Procedure (Procedure\_ID, Description)

PK (Procedure\_ID)

* Pet (Pet\_ID, Name, Type, Gender)

PK (Pet\_ID)

* Treatment (Treatment\_ID, Date, Notes, Price)

PK (Treatment\_ID)

* Owner (Owner\_ID, First\_Name, Last\_Name, Phone\_Number)

PK (Owner\_ID)

# Data Dictionary