

PHASE ONE

COP 2937 Database Concepts

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Country Doctor's
Database Project

Identifying Important Information

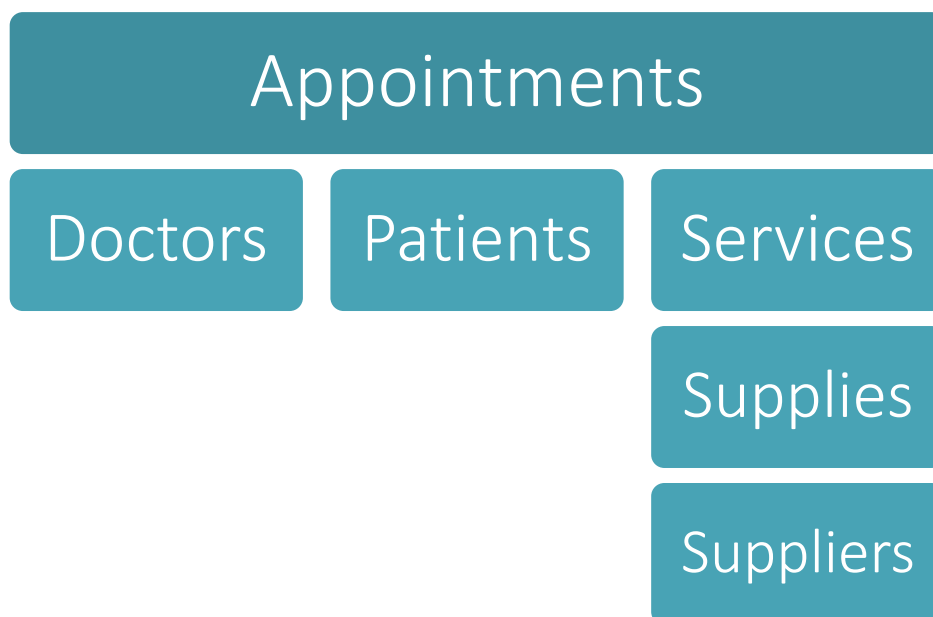
There are many different pieces of information that is important to the Client's business operations. Below is a list of the different items that will be stored in the Country Doctor's Database. Items are sorted into relevant categories: Doctors, Patients, Appointments, Services, Supplies, and Suppliers.

Doctors	Patients	Appointments	Services	Supplies	Suppliers
<ul style="list-style-type: none"> •First & Last Names •Medical Titles •Contact Information 	<ul style="list-style-type: none"> •First & Last Names •Billing Information •Contact Information •Insurance Number •Primary Physician 	<ul style="list-style-type: none"> •Patient •Doctor Who Performed Service •Service Performed •Appointment Date & Time •Appointment Notes •Appointment Cost 	<ul style="list-style-type: none"> •Service Name •Service Description •Supplies Required •Service Cost (Expenses) •Service Price (Customer Cost) 	<ul style="list-style-type: none"> •Supply Name •Supply Description •Supply Cost •Supplier 	<ul style="list-style-type: none"> •Supplier Name •Supplier Address •Supplier Email •Supplier Phone Number

Creating Relationships

In order to make the database useful, we need to establish relationships between each category. Relationships will help the Client retrieve information quickly and track the costs of their business.

For this database Doctors, Patients, and Services will share a relationship with an Appointment. Every Appointment has a Doctor who performs a Service, and a Patient who receives and pays for the Appointment. Every Service requires several Supplies, who come from a Supplier. A more detailed and technical illustration of these relationships are demonstrated in the Entity Relationship Diagram (ERD) on page four.



Entity Relationship Diagram

