Design Normalise Challenge Business Narrative

Swinny Vet Service

Swinny VET service operated a veterinary clinic in Hawthorn Victoria. They have been running for about 6 years. The organisation plans to increase marketing and build its client base over the next year.

SVS currently store all of their data in a spreadsheet (a sample is provided).

To assist the SVS, it is believed they need a database solution developed for them.
SVS would like you to create an ERD, Relational Schema and Database for them along with some sample queries to demonstrate the databases ability to serve their needs.

In the future, other students will develop a web interface to the database, a rich user experience, analytical data tools and

SVS offer a number of different veterinary procedures to pets. Each procedure has a procedure id and a description.

Each pet is given an id number, has a name, a type (e.g. dog or cat) and a gender. It is important to SVS that only the following gender values are allowed into the database: M, F or D (for a desexed animal) so the database design needs to enforce this constraint.

A pet may over time receive many different procedures and even in some cases the same procedure on more than one occasion. Each time a pet receives a procedure it is called a treatment, and when a treatment is provided, the vet delivering it records the date, any relevant notes and the price charged for that treatment.

Each pet has an owner, whom in turn has a first name, surname and phone number recorded. Swinny Vet service want to ensure that no customer record is ever created without a phone number, so the database design needs to enforce this constraint.