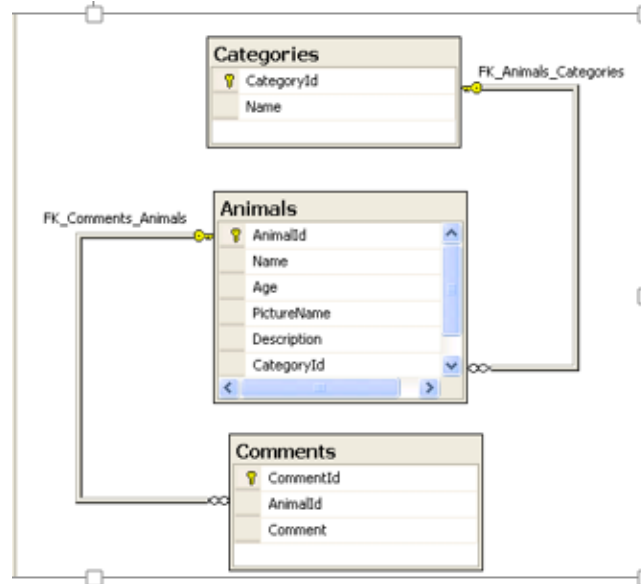# Project - The Pet Shop Application

Introduction

We need to handle simple online catalogue of a pet shop. Customers should be able to browse at the catalogue, look at individual animals and leave comments.

The application breaks down to:

- Home page – welcome, two selected animals (most highly commented upon)
- Catalogue Page – lists the animals by category (Mammal, Reptile, Aquatic)
- Animal Page – shows an individual animal (name, age, picture, short description) as well as a list of comments. This page will also allow to add comments for the animal.
- Admin page – allows to add / edit / remove an animal.

Database Schema

The following screenshot shows the tables and relationships in the PetShop database.

PetShopSite

The Web Site comprises of the following pages:

1. Home

   Contains a table that shows the 2 animals in the shop with the most amount of reviews. It contains a site map which shows the structure of the application.
   The structure is very simple. From the Home page you can either go to Catalogue or to the Administrator page.

2. Catalogue

   Displays all animals in the shop. Customers may select a pet category from a drop down list, and all the animals in that category will be displayed in a table. The information is not very detailed. A button on each row allows the customer to request more information about the animal on that row, and to add comments about the animal. These are handled by the Animal page.

3. Animal

This page shows information from the database about the selected animal. In particular one part of the page shows a JOIN between the Animals table and the Categories table and another part of the page displays all the comments entered for the animal. The customer can also add comments to the database for the animal.

The Best Pet Shop In Town

⊟Home
   Catalog
   Administrator

| Submit Comment | Add your comments here and press Submit |

Name	Eagle	**Comments on this animal**
Age	4	I think her wing span is 2 metres!
Description	Eagles are large birds of prey which inhabit mainly the Old World, with only two species (the Bald Eagle and Golden Eagle) found in North America north of Mexico, a few in Middle and South America, two (the White-bellied Sea Eagle and Wedge-tailed Eagle) in Australia, and the Philippine Eagle in the Philippines. They are members of the bird order Falconiformes (or Accipitriformes, according to alternative classification schemes), family Accipitridae, and belong to several genera which are not necessarily closely related to each other in any sort of way.	This species is almost extinct Her colours are remarkable The eagle can dive at 100 mph The eagle can see a mouse from 2 km
Category Name	Bird	

4. Administrator

On this page a drop down list and a table present the Categories and the animals in those categories of all animals in the shop. This page also allows the Administrator to edit, insert, delete animals in the shop.

The Best Pet Shop In Town

⊦Home
   Catalog
   Administrator

Please select a category [Bird ⌄]   [Add New]

My Portrait	Name	Age	Description		
	Eagle	4	Eagles are large birds of prey which inhabit mainly the Old World, with only two species (the Bald Eagle and Golden Eagle) found in North America north of Mexico, a few in Middle and South America, two (the White-bellied Sea Eagle and Wedge-tailed Eagle) in Australia, and the Philippine Eagle in the Philippines. They are members of the bird order Falconiformes (or Accipitriformes, according to alternative classification schemes), family Accipitridae, and belong to several genera which are not necessarily closely related to each other in any sort of way.	Edit	Delete
	African Hoopoe	1	Found in open and bushy habitats below 2000m, mostly S of 2°NThere is a lot of debate about the status of the Hoopoe. Some authorities place all members of the family Upupidae into a single species, Upupa epops, with various subspecies recognised, others separate the African Hoopoe into a separate species, Upupa africana.The African Hoopoe is distinguished from the Eurasian Hoopoe by the colouring of the male (the females are similar). The male African Hoopoe is a richer cinnamon colour above, lacks the subterminal white band on the crest and has all black primaries. Habits and vocalisations are the same in both species.	Edit	Delete

5. NewAnimal

This page implements the insertion of a new animal, as follows:
a. The Add New button on Administrator page causes a server transfer to the NewAnimal page.
b. When the Insert button is pressed, the new animal is inserted into the database and control is returned to the Adminstrator page.

Additional Requirements:
- Bootstrap for styling
- Form validation
- SQL or SQLite database
- Configuration for database connection