PET SHOP

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# Abstract

This project is basically a pet store management application.it will help in easy and systematic management of everyday task related to pet stores such as sale management, maintaining information about pets, product details, sale details, etc.

# Introduction

* The objective of the project is to provide web-based interface to a pet shop owner to
* manages his pet shop activities.
* To provide an option for storing and managing the basic information about pets and pet
* products in the shop.
* To provide an option for storing and managing the sales details of the shop.
* To provide an option for storing and managing the basic information about the customer
* To track the information about sold pets and products to a customer.

# Proposed System

The proposed system helps with efficient maintenance of all records. It uses different algorithms for organized display of data. It processes entered data quickly thus saving time for users. The information displayed is absolutely accurate, humanly possible. It also prevents users from inserting flawed data thus saving the system from becoming less accurate.

# Advantages/Benefits of Proposed System

Write down the advantages and benefits of the system you are developing. In other words, you have

to mention here the advantage of your proposed solution to the existing problem.

* Easy maintenance of record
* Storage of data in systematic manner
* Less time for data retrieving.
* Fast and accurate
* Easy to add new data or update existing data.

# Scope

The pet store management system will allow user to store all information regarding pets and employees on a database. It will allow the user to view all the stored information. The development of this Petshop Management System is a great improvement over the manual system which uses lots of manual work and paper. The computerization of the system speeds up the process. The Petshop Management System is fast, efficient, and reliable, Avoids data redundancy and inconsistency. It contains all the functional features described in the objective of the project.

# Modules

Module 1: profile management

This module will allow profile management allowing admin to change his/her password or add new users who could access the system. This will contain login, change password, reset password, or add new users sub modules.

Module 2: pet’s management

This module will handle all information related to pets. New pets could be added updated or out of stock with the help of this module. It will contain insert update delete sub modules for handling and maintaining pet’s information.

Module 4: sales management

This module will handle sales-related information. All the sales occurring will be saved to database with the help of this module. All the information related to sales could be displayed using this module. Sales could be added update deleted in database with this module.

Module 5: information and services

This module contains all information related to pets including pets available, their breed, prices, product details, sales details, etc.

# System Limitations/Constraints

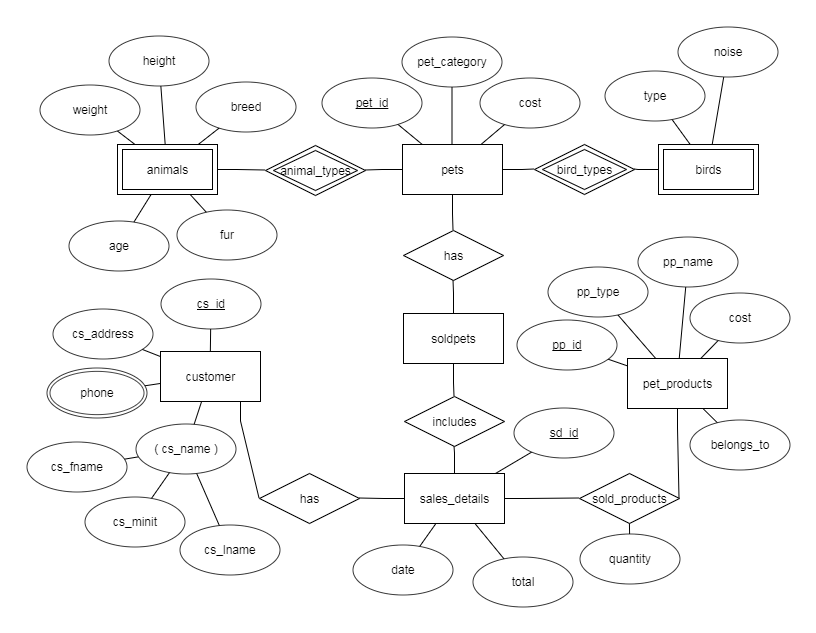
* Only works on desktop.
* Requires internet connection If data is to be stored online.
* App only works for windows platform.

# Tools and Technologies

Table 1 Tools and Technologies for Proposed Project

|  |  |  |  |
| --- | --- | --- | --- |
| **Tools**  **And**  **Technologies** | **Tools** | **Version** | **Rationale** |
| Visual Studio |  | IDE |
| Xampp |  | DBMS |
| MS Word | 2015 | Documentation |
| **Technology** | **Version** | **Rationale** |
| Php | 8.0 | Programming language |
| SQL | 2013 | Query Language |
| Html | 5 | Web Development |

# ER diagram

s

# Script and Insertion Queries:

-- phpMyAdmin SQL Dump

-- version 4.8.3

-- https://www.phpmyadmin.net/

--

-- Host: 127.0.0.1

-- Generation Time: May 22, 2019 at 04:02 PM

-- Server version: 10.1.36-MariaDB

-- PHP Version: 7.2.11

SET SQL\_MODE = "NO\_AUTO\_VALUE\_ON\_ZERO";

SET AUTOCOMMIT = 0;

START TRANSACTION;

SET time\_zone = "+00:00";

/\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;

/\*!40101 SET NAMES utf8mb4 \*/;

--

-- Database: `petshop\_management`

--

DELIMITER $$

--

-- Procedures

--

CREATE DEFINER=`root`@`localhost` PROCEDURE `calculations\_for\_pets` (IN `pid` VARCHAR(9), IN `sid` VARCHAR(9)) NO SQL

BEGIN

DECLARE

cpid ,csid int DEFAULT 0;

set cpid=(select cost from pets where pet\_id=pid);

set csid=(select total from sales\_details where sd\_id=sid);

set csid=csid+cpid;

update sales\_details set total=csid where sd\_id=sid;

end$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `calculations\_for\_product` (IN `ppid` VARCHAR(9), IN `sid` VARCHAR(9), IN `qnty` INT(11)) NO SQL

BEGIN

DECLARE

cppid ,csid int DEFAULT 0;

set cppid=(select cost from pet\_products where pp\_id=ppid);

set csid=(select total from sales\_details where sd\_id=sid);

set csid=csid+qnty\*cppid;

update sales\_details set total=csid where sd\_id=sid;

end$$

DELIMITER ;

-- --------------------------------------------------------

--

-- Table structure for table `animals`

--

CREATE TABLE `animals` (

`pet\_id` varchar(9) NOT NULL,

`breed` varchar(30) NOT NULL,

`weight` float NOT NULL,

`height` float NOT NULL,

`age` int(11) NOT NULL,

`fur` varchar(15) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

--

-- Dumping data for table `animals`

--

INSERT INTO `animals` (`pet\_id`, `breed`, `weight`, `height`, `age`, `fur`) VALUES

('pa01', 'labrador', 11.3, 30, 2, 'white'),

('pa02', 'parsian', 3.6, 20, 2, 'white'),

('pa03', 'golden retriever', 12.5, 40, 2, 'gloden'),

('pa04', 'boxer', 11.5, 45, 3, 'black'),

('pa05', 'rag doll', 2.6, 20, 5, 'white'),

('pa06', 'st bernard', 10.8, 35, 3, 'brownish yellow'),

('pa07', 'bulldog', 8, 25, 3, 'white');

-- --------------------------------------------------------

--

-- Table structure for table `birds`

--

CREATE TABLE `birds` (

`pet\_id` varchar(9) NOT NULL,

`type` varchar(25) NOT NULL,

`noise` varchar(10) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

--

-- Dumping data for table `birds`

--

INSERT INTO `birds` (`pet\_id`, `type`, `noise`) VALUES

('pb01', 'grey parrot', 'moderate'),

('pb02', 'black cheeked', 'low'),

('pb03', 'grey headed', 'moderate'),

('pb04', 'lilian', 'moderate'),

('pb05', 'white cockatoo', 'moderate');

-- --------------------------------------------------------

--

-- Table structure for table `customer`

--

CREATE TABLE `customer` (

`cust\_id` varchar(9) NOT NULL,

`cust\_fname` varchar(10) NOT NULL,

`cust\_minit` varchar(10) NOT NULL,

`cust\_lname` varchar(10) NOT NULL,

`cust\_address` varchar(30) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

--

-- Dumping data for table `customer`

--

INSERT INTO `customer` (`cust\_id`, `cust\_fname`, `cust\_minit`, `cust\_lname`, `cust\_address`) VALUES

('cust01', 'Sana', 'Ali', 'Khan', 'Islamabad'),

('cust02', 'Ahsan', '-', 'Ali', 'Lahore'),

('cust03', 'Maira', '-', 'Baig', 'Sargodha'),

('cust04', 'Kumail', '', 'Khan', 'Hunza'),

('cust05', 'hafeez', 'ur', 'Rehman', 'Karachi');

-- --------------------------------------------------------

--

-- Table structure for table `pets`

--

CREATE TABLE `pets` (

`pet\_id` varchar(9) NOT NULL,

`pet\_category` varchar(15) NOT NULL,

`cost` int(11) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

--

-- Dumping data for table `pets`

--

INSERT INTO `pets` (`pet\_id`, `pet\_category`, `cost`) VALUES

('pa01', 'dog', 8000),

('pa02', 'cat', 3000),

('pa03', 'dog', 8500),

('pa04', 'dog', 15000),

('pa05', 'cat', 3500),

('pa06', 'dog', 10500),

('pa07', 'dog', 12000),

('pb01', 'parrot', 2000),

('pb02', 'birds', 800),

('pb03', 'birds', 600),

('pb04', 'birds', 800),

('pb05', 'cockatoo', 10000);

--

-- Triggers `pets`

--

DELIMITER $$

CREATE TRIGGER `check\_sold` BEFORE UPDATE ON `pets` FOR EACH ROW BEGIN

DECLARE

checking int;

set checking=(select count(\*) from sold\_pets where pet\_id=old.pet\_id);

if (checking > 0) then

signal sqlstate '45000' set message\_text = 'cannot update sold pet';

end if;

END

$$

DELIMITER ;

-- --------------------------------------------------------

--

-- Table structure for table `pet\_products`

--

CREATE TABLE `pet\_products` (

`pp\_id` varchar(9) NOT NULL,

`pp\_name` varchar(30) NOT NULL,

`pp\_type` varchar(20) NOT NULL,

`cost` int(11) NOT NULL,

`belongs\_to` varchar(20) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

--

-- Dumping data for table `pet\_products`

--

INSERT INTO `pet\_products` (`pp\_id`, `pp\_name`, `pp\_type`, `cost`, `belongs\_to`) VALUES

('p\_prod01', 'dog collar', 'accesories', 500, 'dog'),

('p\_prod02', 'chain', 'accesories', 100, 'cat'),

('p\_prod03', 'pedigree', 'food', 1500, 'dog'),

('p\_prod04', 'mouth mask', 'accesories', 250, 'dog'),

('p\_prod05', 'food bowl', 'accesories', 250, 'dog '),

('p\_prod06', 'bird feeds', 'food', 300, 'birds');

-- --------------------------------------------------------

--

-- Table structure for table `phone`

--

CREATE TABLE `phone` (

`cust\_id` varchar(9) NOT NULL,

`cust\_phone` bigint(10) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

--

-- Dumping data for table `phone`

--

INSERT INTO `phone` (`cust\_id`, `cust\_phone`) VALUES

('cust01', 03134549393),

('cust01', 03329485839),

('cust03', 03459284849),

('cust04', 03523348343),

('cust05', 03485949494);

-- --------------------------------------------------------

--

-- Table structure for table `sales\_details`

--

CREATE TABLE `sales\_details` (

`sd\_id` varchar(9) NOT NULL,

`cust\_id` varchar(9) NOT NULL,

`date` date NOT NULL,

`total` int(11) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

--

-- Dumping data for table `sales\_details`

--

INSERT INTO `sales\_details` (`sd\_id`, `cust\_id`, `date`, `total`) VALUES

('sales\_d01', 'cust03', '2018-10-26', 9500),

('sales\_d02', 'cust01', '2018-11-01', 3000),

('sales\_d03', 'cust03', '2018-11-08', 500),

('sales\_d04', 'cust04', '2018-11-15', 12250),

('sales\_d05', 'cust02', '2018-11-17', 9350),

('sales\_d06', 'cust05', '2018-11-20', 1900),

('sales\_d07', 'cust03', '2018-12-08', 10000);

-- --------------------------------------------------------

--

-- Table structure for table `sold\_pets`

--

CREATE TABLE `sold\_pets` (

`sd\_id` varchar(9) NOT NULL,

`pet\_id` varchar(9) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

--

-- Dumping data for table `sold\_pets`

--

INSERT INTO `sold\_pets` (`sd\_id`, `pet\_id`) VALUES

('sales\_d01', 'pa01'),

('sales\_d02', 'pa02'),

('sales\_d04', 'pa07'),

('sales\_d05', 'pa03'),

('sales\_d06', 'pb02'),

('sales\_d06', 'pb04');

-- --------------------------------------------------------

--

-- Table structure for table `sold\_products`

--

CREATE TABLE `sold\_products` (

`sd\_id` varchar(9) NOT NULL,

`pp\_id` varchar(9) NOT NULL,

`quantity` int(11) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

--

-- Dumping data for table `sold\_products`

--

INSERT INTO `sold\_products` (`sd\_id`, `pp\_id`, `quantity`) VALUES

('sales\_d01', 'p\_prod03', 1),

('sales\_d03', 'p\_prod01', 1),

('sales\_d04', 'p\_prod04', 1),

('sales\_d05', 'p\_prod05', 1),

('sales\_d05', 'p\_prod06', 2),

('sales\_d06', 'p\_prod06', 1);

--

-- Indexes for dumped tables

--

--

-- Indexes for table `animals`

--

ALTER TABLE `animals`

ADD PRIMARY KEY (`pet\_id`);

--

-- Indexes for table `birds`

--

ALTER TABLE `birds`

ADD PRIMARY KEY (`pet\_id`);

--

-- Indexes for table `customer`

--

ALTER TABLE `customer`

ADD PRIMARY KEY (`cust\_id`);

--

-- Indexes for table `pets`

--

ALTER TABLE `pets`

ADD PRIMARY KEY (`pet\_id`);

--

-- Indexes for table `pet\_products`

--

ALTER TABLE `pet\_products`

ADD PRIMARY KEY (`pp\_id`);

--

-- Indexes for table `phone`

--

ALTER TABLE `phone`

ADD PRIMARY KEY (`cust\_id`,`cust\_phone`);

--

-- Indexes for table `sales\_details`

--

ALTER TABLE `sales\_details`

ADD PRIMARY KEY (`sd\_id`,`cust\_id`),

ADD KEY `cs\_id` (`cust\_id`);

--

-- Indexes for table `sold\_pets`

--

ALTER TABLE `sold\_pets`

ADD PRIMARY KEY (`pet\_id`),

ADD KEY `sd\_id` (`sd\_id`);

--

-- Indexes for table `sold\_products`

--

ALTER TABLE `sold\_products`

ADD PRIMARY KEY (`sd\_id`,`pp\_id`),

ADD KEY `sold\_products\_ibfk\_2` (`pp\_id`);

--

-- Constraints for dumped tables

--

--

-- Constraints for table `animals`

--

ALTER TABLE `animals`

ADD CONSTRAINT `animals\_ibfk\_1` FOREIGN KEY (`pet\_id`) REFERENCES `pets` (`pet\_id`) ON DELETE CASCADE;

--

-- Constraints for table `birds`

--

ALTER TABLE `birds`

ADD CONSTRAINT `birds\_ibfk\_1` FOREIGN KEY (`pet\_id`) REFERENCES `pets` (`pet\_id`) ON DELETE CASCADE;

--

-- Constraints for table `phone`

--

ALTER TABLE `phone`

ADD CONSTRAINT `phone\_ibfk\_1` FOREIGN KEY (`cs\_id`) REFERENCES `customer` (`cs\_id`) ON DELETE CASCADE;

--

-- Constraints for table `sales\_details`

--

ALTER TABLE `sales\_details`

ADD CONSTRAINT `sales\_details\_ibfk\_1` FOREIGN KEY (`cs\_id`) REFERENCES `customer` (`cs\_id`) ON DELETE CASCADE;

--

-- Constraints for table `sold\_pets`

--

ALTER TABLE `sold\_pets`

ADD CONSTRAINT `sold\_pets\_ibfk\_1` FOREIGN KEY (`pet\_id`) REFERENCES `pets` (`pet\_id`) ON DELETE CASCADE,

ADD CONSTRAINT `sold\_pets\_ibfk\_2` FOREIGN KEY (`sd\_id`) REFERENCES `sales\_details` (`sd\_id`) ON DELETE CASCADE;

--

-- Constraints for table `sold\_products`

--

ALTER TABLE `sold\_products`

ADD CONSTRAINT `sold\_products\_ibfk\_1` FOREIGN KEY (`sd\_id`) REFERENCES `sales\_details` (`sd\_id`) ON DELETE CASCADE,

ADD CONSTRAINT `sold\_products\_ibfk\_2` FOREIGN KEY (`pp\_id`) REFERENCES `pet\_products` (`pp\_id`) ON DELETE CASCADE;

COMMIT;

/\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;

# Conclusion

The pet store management system will be an easy-to-use application and will allow its users to handle and store data more efficiently. All information will be stored on a database and can be accessed within few seconds just by clicks. It will save a lot of time and minimize everyday errors occurring in sales management and will also prevent the entry of invalid data thus maximizing the accuracy of data stored.

# References

Google, Wikipedia, Books

**------------------------------------------**