

ANDROID BASED PET CARE APPLICATION

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Abstract—This project “Pet Care Application” gives information about all the pets how they are maintained. Some of them were interested in maintaining the pets, currently there is no separate application for maintaining the pets. The user will not get the clear knowledge about the maintenance, vaccination and their life time in the single web page. This application will give the details about all the pets like birds, aquatics and animals with different varieties and also include their maintenance, their vaccination details, then how long they live, their food habits and doctor details around some districts. Doctor details are more useful for the user to take the proper treatments for their pets and recover their pets from the dangerous diseases or when the pets are injured these doctor details are more useful to the user.

Keywords— Birds, Animals, Vaccination details, Doctor Details.

I. INTRODUCTION

Kids school Management System is like a popular Enterprise Resource Planning (ERP) system which integrates all data and processes of an educational institution into a unified system. With support of technical expertise, this system has been developed by working closely with Kids school System. This system is developed to tackle and replace existing historical bookkeeping system with much awaited SMS.

It is designed for better interaction between kids , teachers, parents & management. This management software very gracefully handles all the requirements for easy kids school management. The kids school management system being web based can be accessed from anywhere in the world, which enables the kids , teachers, parents & the management be in touch with each other at all times.

ERP connects all departments of a school and campuses of a group of institutions on a single integrated platform. This eliminates repetitive

processes such as entering the same information on different platforms and manual intervention to sort information. Thus, it enhances productivity and saves time.

In effective communication between teachers, parents and kids. Complete automation of all operations. Centrally stored information with zero redundancy. Frequent interaction with teachers. Reliable update on child's attendance, progress report and fee payment. Tracking of homework assigned by teacher to their child. Prior information about kids school events and holidays. Automated kids attendance. Computerized management of marks and grades. Homework assignment to kids and approval.

A school management software is a system which is designed to manage & simplify the day-to-day administrative & non-administrative tasks of a school. School management software enables schools to monitor daily activities like daily attendance, timetable management, etc. from a single centralized platform

Enhanced interaction with teachers, parents. Online submission of homework. Access to attendance, timetable, marks, grades and examination schedule. Prior information about kids school events and holidays.

II. SYSTEM STUDY

System Study is a problem solving technique that decomposes a system into its component pieces for the studying how well those component parts work and interact to accomplish their purpose. It is a reduction of entire system by studying the various operations performed a relationship with in the system.

1. Existing System:

There is no specific application for maintaining the pets. Every information should be searched separately. The user should spend more time on searching the required data and follow the given

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information in the internet. The user will not get the clear knowledge about the maintenance, vaccination and their life time in the single web page. When the user search for the maintenance the doctor details are not specified in the preferred web page. There will be the separate search for the doctor details and they would also search for the surrounding veterinary doctor to treat affected pets.

Drawbacks:

In the current system the information are displayed separately, so every time the user needs to search for the information separately.

- During the searching process the user may take more time to get the desired information.
- It would be less efficient while searching information through web.
- The user feels burden if too many pages were used.

2. Proposed System:

Pet care application includes maintenance of pets, vaccination details, life time of each pet, food habits and doctor details around some districts. This will be more useful for the user to know about the pets in single application. Some of the suggested doctor details are more useful for the user to take the proper treatments and recover from the diseases and also when they are injured these doctor details are more useful.

Advantages of Proposed System:

- On using this application the user can save their time by viewing details in a single application.
- By using this application the user can get simple and efficient details regarding maintenance of the pets.

III. SYSTEM DEVELOPMENT

a) Description of Modules:

The project consists of following modules

- Pet info
- Doctor info

b) Pet Info:

In this module pet info gives the details about animal, bird, fish how they are maintained. Their

vaccination and their life time also described in each module.

- Animal- This module gives the detail description about the varieties of dog, cat, horse, rabbit and goat.
- Bird- This module gives the detail description about the different kind of birds, which are maintained as pets.
- Fish- This module gives the detail description about the different varieties of aquatics that were maintained at home.

c) Doctor Info:

This module gives the description about the veterinary doctors around some districts are Erode, Coimbatore, Namakkal, Tirupur and Salem. This will help the user to get the treatment for their pets

d) System Implementation:

Implementation includes all those activities that take place to convert from the old system to the new. The old system consists of manual operations, which is operated in a very different manner from the proposed new system. A proper implementation is essential to provide a reliable system to meet the requirements of the organizations. An improper installation may affect the success of the computerized system.

The implementation plan consists of the following steps.

- List all files required for implementation.
- Identify all data required to build new files during the implementation.

The implementation plan should anticipate possible problems and must be able to deal with them. The usual problems may be missing documents; mixed data formats between current and files, errors in data translation, missing data etc.

e) Coding:

Coding is the process of the physical design specification created by the analysis team turned into working computer code by the programming team.

f) Testing:

Once the coding process is begin and proceed in parallel, as each program module can be tested.

g) Installation:

Installation is the process during which the current system is replaced by the new system. This includes conversion of existing data, software, and documentation and work procedures to those consistent with the new system.

h) Document:

It is result from the installation process, user guides provides the information of how the use the system and its flow.

i) Training and Support:

Training plan is a strategy for training user so they quickly learn to the new system. The development of the training plan probably began earlier in the project. The best-suited application package to develop the system is Android Studio under windows 7 environment.

IV. TESTING METHODS

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionality of components, sub assemblies, assemblies and/or a finished product. It is the process of exercising software with the intent of ensuring that the Software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of test. Each test type addresses a specific testing requirement.

Types of Testing:

This application has undergone the following testing procedures to ensure its correctness.

- Unit testing
- Integration testing
- Validation testing
- Verification Testing
- System testing

1) Unit Testing:

All modules were tested individually as soon as they were completed and were checked for their correct functionality. Unit testing focuses on individual modules.

Login:

In this module, the admin should able to login and add the required fields for the user knowledge and to know the details about the pets.

2) Integration Testing:

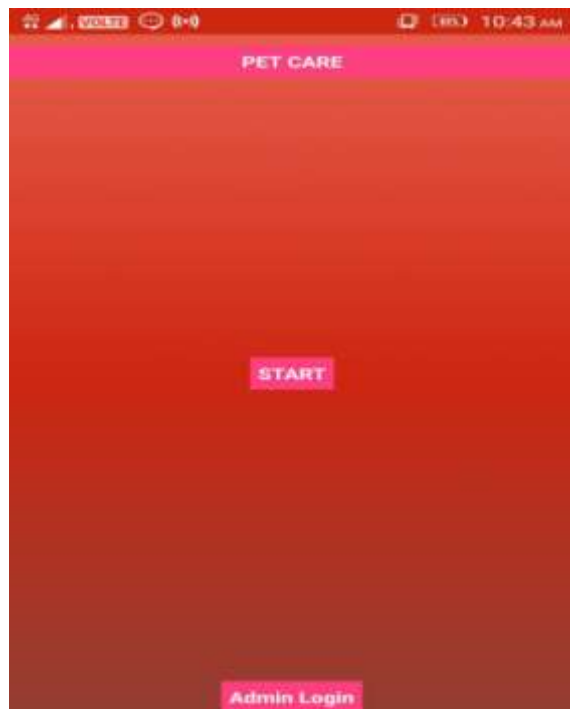
Integration testing indulges in the individual software modules that are combined and tested as a group. In this application, all the modules are combined and then the entire program is tested as whole. In this application, login form has been designed separately and tested individually, and then these forms are combined together for executing.

3) System Testing:

System testing is testing conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements. After the source code has been completed, documented as related data structures. Completed application has to undergo testing and validation where there is subtitle and definite attempt to get errors. The main objective of testing is to uncover errors from the system. The application developer is always responsible for testing the individual units i.e. modules of the program. In many cases developer also conducts integration testing. A quality output is one, which meets the requirements of the end user and presents the information clearly. In any system results of processing are communicated to the users and to other system through outputs. It is the most important and direct source information to the user. Efficient and intelligent output design improves the system's relationship to help user decision-making.

V. OUTPUT SCREENS

1) Login Page:



2) Menu Page:



3) Pet Info Page:



4) Animal Screen:



5) Animal Details:

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Animal Details



Food :	persian dry food
Caring :	Daily grooming
Vaccine	Feline Leukemia
LifeTime :	9 to 15 years

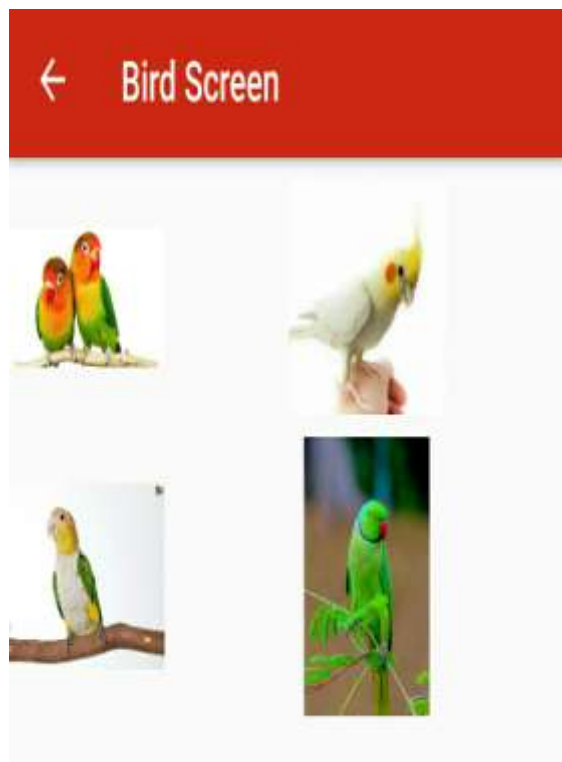
7) Bird Details:

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Bird Details

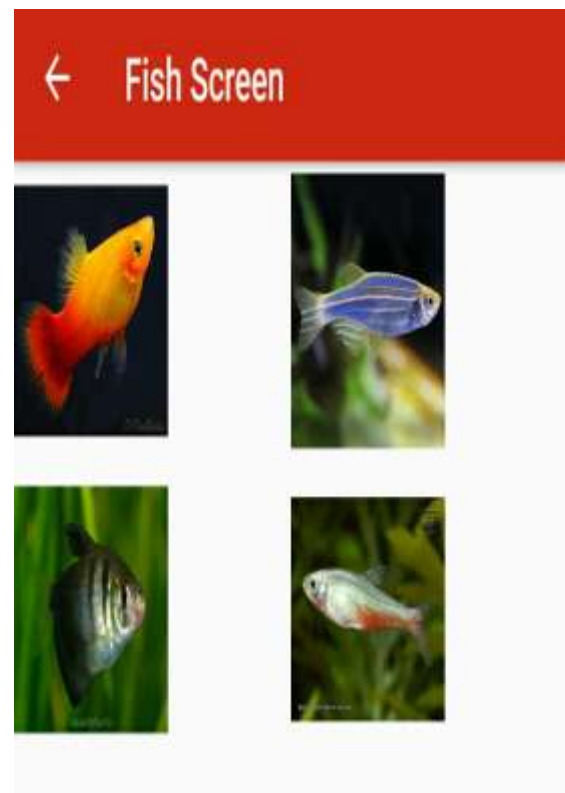


Food :	Seeds,Fruits,Vegetables
Caring :	Spend a lot of time
Vaccine	polymavirus
LifeTime :	5 to 15 years

6) Bird Screen:



8) Aquatics Screen:



VI. CONCLUSION

This application gives the details about the pets, vaccination and their lifetime. It also include the doctor details for the user. This will be more useful for user who loves their pets and they can maintain their pets properly by the given instructions. This application will give the details about all the pets like birds, aquatics and animals with different verities and also include their maintenance, their vaccination details, then how long they live, their food habits and doctor details around some districts. Doctor details are more useful for the user to take the proper treatments for their pets and recover their pets form the dangerous diseases or when the pets are injured these doctor details are more useful to the user.

SCOPE FOR FUTURE ENHANCEMENT

Doctor details are more useful for the user to take the proper treatments for their pets and recover their pets form the dangerous diseases or when the pets are injured these doctor details are more useful to the user. In future , this can be enhanced by giving the details about how the newly born baby have to be taken care and how mother should take proper food diet and vaccination before and after the pregnancy time and also for newly born baby. In future details of all breeds in all over the world can be listed and customers can also order and adopt animals of any breed through online.

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