“PETS CORNER APP UING ANDROID”

Initial Status Report

Submitted To

PROF.VIJAYKUMAR G

Submitted By

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Master of Computer Applications (MCA)

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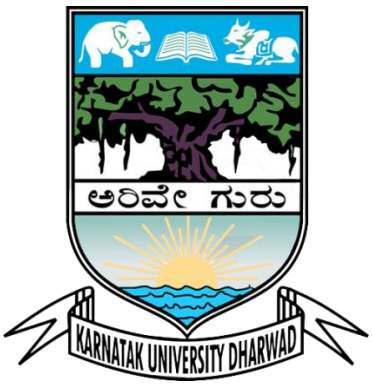

Department of Computer Science

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KARNATAK UNIVERSITY, DHARWAD

Department of Computer Science

Proposed Project Title: "Pets Corner App Using Android"

Student Details:

Name: Pooja Pattar **Exam Seat No:** 20S11028

Branch: MCA **Semester:** 4th Semester

Front End: Android XML, HTML, JavaScript

Back End: Java, PHP

Facilities required: Android Studio

Proposed Project Abstract:

This "**PETS CORNER**" using android application was designed to manage the pet information such to produce the pet breed, age, location, vaccination details and few other descriptions. It is also performed in systematic through its function requirement.

The pet must be registered before having any services. Any piece of information about the pets must be correct and organised to avoid any problem to be in countered like the bad feedback from the customer. The purpose of this system is to transact and deals with a nice and easier way by simply gathering information from the customer. It also helps to every individual by searching for the information needed.

INTRODUCTION:

We are now living in the computer age. Now the computer is controlling all the important tasks in our routine life. Android devices are also versatile because they are indispensable in the present day. To do some specific tasks, Android needs applications. Thus, to create an Android application, I took up a project named "Pets Corner."

To use this application, all of its users will have a valid user id and password associated with it. A user will be able to enter the pet's details, including its price, breed, age, location, vaccination details, and a few other descriptions, and upload it. Thus, by uploading, other users find it easy to search for pets, and if interested, they can contact that person and proceed further. Thus, it creates a user-friendly application for pet lovers. The additional benefit that users can take advantage of is that they can get information about events or competitions conducted for pets and can take part in them. This would help pet lovers purchase or sell their pets in a more interactive way.

Our application "pet's corner" is a platform for buying and selling different categories of pets. Our project also allows users to purchase street dogs uploaded by various non-governmental organizations. Through our project, users can directly contact the buyer or seller so that they can benefit by removing the commission fee paid to agents while buying their favoured pets. Our project also promotes a mission to reduce the number of street dogs in public places as users have an option to buy them through non-government organizations.

SRS (Software Requirement Specification):

A Software requirement specification (SRS) is a description of a software system to be developed. It lays out Functional and Non-Functional Requirements, and may include a set of use cases that describe user interactions that the software must provide.

The production of the requirements stage of the software development process is Software Requirements Specifications (SRS) (also called a requirements document). This report lays a foundation for software engineering activities and is constructing when entire requirements are elicited and analyzed. SRS is a formal report, which acts as a representation of software that enables the customers to review whether it (SRS) is according to their requirements. Also, it comprises user requirements for a system as well as detailed specifications of the system requirements.

The SRS is a specification for a specific software product, program, or set of applications that perform particular functions in a specific environment. It serves several goals depending on who is writing it. First, the SRS could be written by the client of a system. Second, the SRS could be written by a developer of the system. The two methods create entirely various situations and establish different purposes for the document altogether. The first case, SRS, is used to define the needs and expectation of the users. The second case, SRS, is written for various purposes and serves as a contract document between customer and developer.

FUNCTIONAL REQUIREMENT:

Functional Requirements: These are the requirements that the end user specifically demands as basic facilities that the system should offer. All these functionalities need to be necessarily incorporated into the system as a part of the contract. These are represented or stated in the form of input to be given to the system, the operation performed and the output expected. They are basically the requirements stated by the user which one can see directly in the final product, unlike the non-functional requirements. Some of the functional requirements regarding the user are as follows.

- All users will be able to access their accounts using a valid login credentials.
- The system will allow users to create a profile for use in the system.
- The system will take the information given by the user and match it to potential animal matches in the system.
- The system will display all animals in the system for a user.

NON-FUNCTIONAL REQUIREMENT:

Non-functional requirements: These are basically the quality constraints that the system must satisfy according to the project contract. The priority or extent to which these factors are implemented varies from one project to other. They are also called non-behavioural requirements.

- Performance requirements: The response time should not vary with the increasing the size of the data storage.
- Security requirements: This application should not modify any details.
- Validation and verification: Checks all the fields are filled and validate.

SOFTWARE REQUIREMENTS:

This table describes the software requirements.

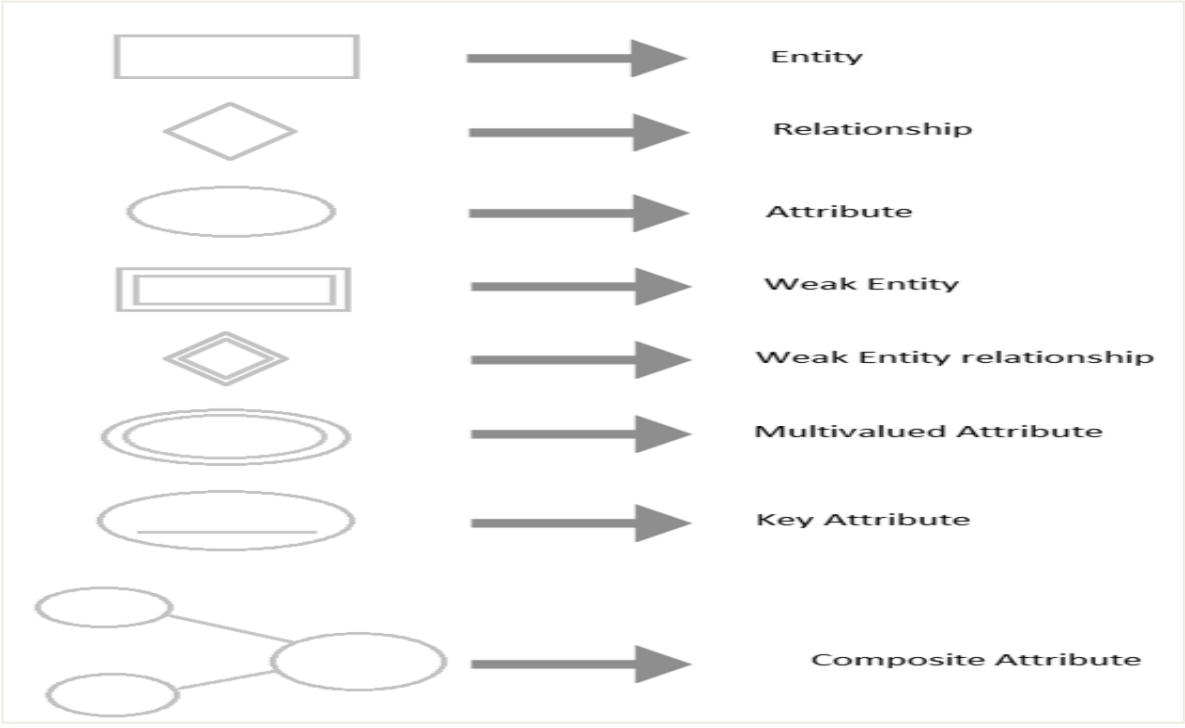
Operating System	Windows XP and above.
Coding language	Java 2
Database	Wamp Database
Browser	Any of Mozilla, Opera, Chrome etc
Web Server	Wamp Server
Software Development Kit	Android Studio

HARDWARE REQUIREMENTS:

This table describes the hardware requirements,

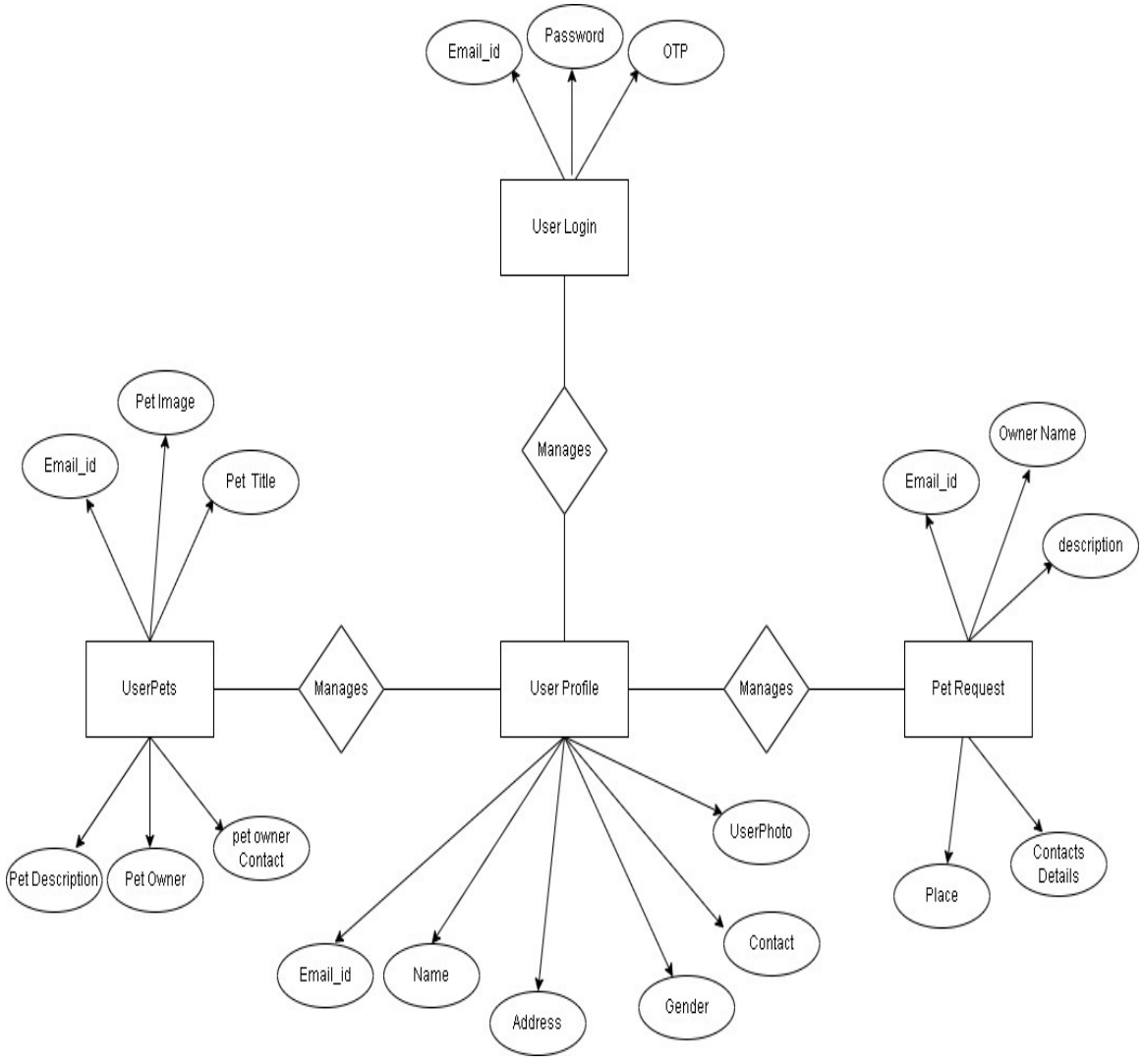
Name of Component	Specification
Processor	Pentium core i3 and above.
RAM	4GB
Hard Disk	20GB

ENTITY-RELATIONSHIP DIAGRAM SYMBOLS:



ENTITY-RELATIONSHIP DIAGRAM:

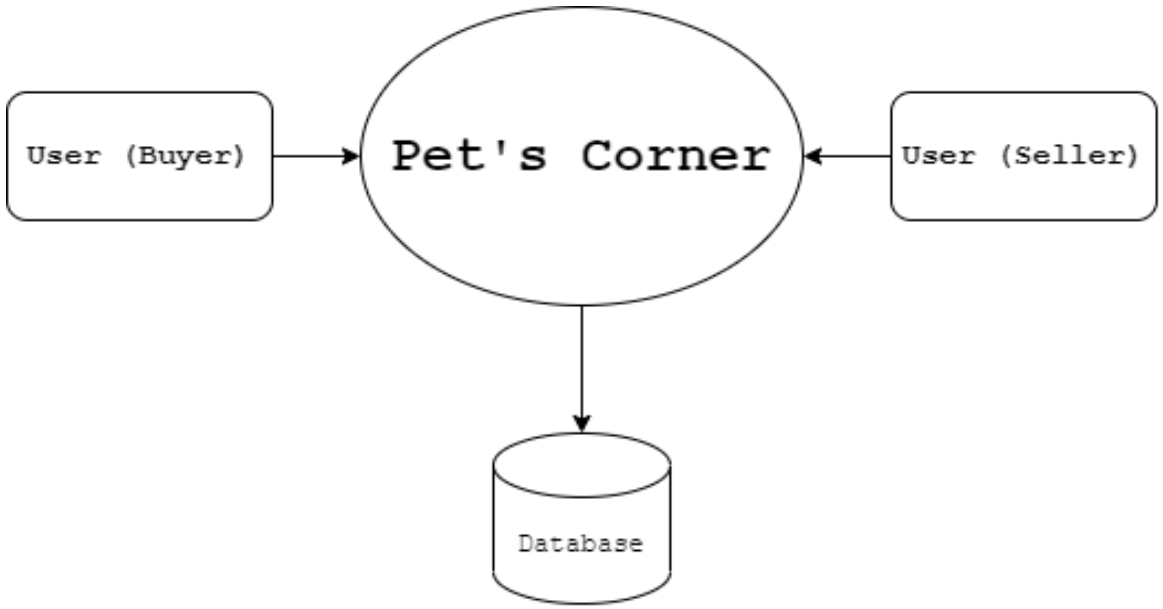
In software engineering, an Entity-Relationship Model (ER model for short) is an abstract and conceptual representation of data. Entity-Relationship modelling is a database modelling method, used to produce a type of conceptual schema or semantic data model of a system, often a relational database, and its requirements in a top-down fashion. Diagrams created by this process are called Entity-Relationship Diagrams or ER Diagrams. An entity may be defined as a thing which is recognized as being capable of an independent existence and which can be uniquely identified. An entity may be a physical object such as a house or car, an event such as a house sale or a car service, or a concept such as customer transaction or order. An entity- type is a category. An entity, strictly speaking, is an instance of a given entity type. There are usually many instances of an entity–type.



DATA FLOW DIAGRAM:

The data flow diagram (DFD) is one of the important modelling tools. It shows the user the flow of the data pictorially. DFD represents the flow of the data between different transformations and processes in the system. The data flow diagram shows logical flow of the data. It represents the functional dependencies within a system. It shows output values in a computation are derived from input values. It is a simple pictorial representation or model for system behaviour. It specifies, “What is to be done but not how is to be done”. It describes the logical structure of the system. It relates data information to various processes of the system. It follows top-down approach.

DFD DIAGRAM FOR ZERO LEVEL:



PROJECT MODULES:

1. USER (Seller) :
    - Can register his/her account to access the services of pets store application.
    - Can upload/post pets which are available for sale.
    - Can response about particular pet to other user request.
    - Can update and view other profiles.

2. USER (Buyer) :
    - Can register his/her account to access the services of pets store application.
    - Can upload/post pets which are available for sale.
    - Can post request about particular book and get response from other user.
    - Can update and view other profiles.

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- Book Referred
    - (Software Engineering) Microsoft Word - v2.p1-SE (rutgers.edu)