A Project Report On

"Adopt Us"

Submitted in partial fulfilment of the Requirements for the award of the Degree of

BACHELOR OF SCIENCE (COMPUTER SCIENCE)

SEM VI Examination

Submitted by

MISS. ARCHANA SHETIYAR

ROLL NUMBER: 2025021

Under the esteemed guidance of:

Prof. JAIRAM MULCHANDANI

Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE

SEVA SADAN's R. K. Talreja College

of Arts, Science and Commerce,

Ulhasnagar-421 003

(Affiliated to University of Mumbai)

A.C. 2020-2021

R. K. Talreja College,
(Affiliated to University of Mumbai)
Ulhasnagar, Maharashtra 421003

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

This is to certify that the project entitled,

"**Adopt Us**"

is bonafied work of <u>***Archana Shetiyar***</u> bearing Seat. No:
2025021
submitted in partial fulfilment of the requirements for the award
of degree of **BACHELOR OF SCIENCE in
COMPUTER SCIENCE** from University of Mumbai.

Prof JAIRAM MULCHANDANI   **Prof. (Mrs.) Kiran Gurbani**

Internal Guide   Coordinator

Date:

Preface

Today is a significant day in the history of the Internet. On 6 August 1991, exactly thirty years ago, the World Wide Web took over the world and became publicly available. Over more than a million users use internet per second from buying products to rent items or from entertainment to encouragement.

Moving along with this generation we are introducing "adopt us" application. This application helps to reconnect the love between animals and humans. It helps the people to find a good partner(animal) and adopt them.

This documentation contains details of about the project like objective, cope limitations, process model, primary requirements, team development, possible project risks, project schedule and finally monitoring and reporting mechanisms.

Acknowledgment

The development of a project needs good support from many people. The contributions of the people, who made this project a success, are largely acknowledgment. We agreed that the project guide is competitive. We thank our project guide to be competitive.

I am equally grateful to my project guide Prof. Jairam Mulchandani, who gave me moral support and guided me in different matters and solution throughout the project.

I feel immensely proud in extending our heartiest thanks to Prof. Kiran Gurbani, HOD of B.Sc. (Computer Science) in Seva Sadan's R.K. Talreja College for providing platform to improve my skills.

And, at last, my sincere thanks to my colleagues for their Moral support during our project. We are also thankful to every person who involved us in the project; their encouragement and support enabled the project to materialize and contributed to its success.

Index

Chapter 1:

Preliminary Investigation

Organizational Overview

"Adopt us" application is managed by "adopt us" shelter. This shelter is genuine and located in Kerala and use to help stary animals and provide a home for them with in Kerala.

Once they thought "why not to connect with people all places over India and let them find a good animal for adoption?" in this way "adopt us" in introduced.

Currently this organization connect with one lakh people per year for adoption or surrendering purpose and rescues animals and provide them home.

Configuration System

- **Internet**
- **"Adopt Us" application**
- **Android version 2.0+**

Software Specification

- **OS:** android
- **Database:** Google firebase.
- **Programming Language:** H Java, Xml.

Limitation of the Present System

The adoption is only available to India and rest surrender application form will be rejected outside India.

Several process will be taken to check the authentication of person needs to adopt. If a single process proves that you are not authenticated person for will be rejected.

For surrendering an animal, it is compulsory to have a good health of pet.

Android 2.0+ version is needed to use this application.

Proposed System

The proposed system helps people to a good animal as a partner in their life.

Objective:

- The main objective of this application is make realize that stray animals is not less than any expensive breed animals, it will be loyal till the end of life.

Limitation:

- The adoption is only available to India and rest surrender application form will be rejected outside India.
- Several process will be taken to check the authentication of person needs to adopt. If a single process proves that you are not authenticated person for will be rejected.

Advantages:

- Easy to use.
- Fast service.
- No disturbing popup ads.
- User privacy.

Feasibility Study

- **Feasibility:** A measure of how beneficial or practical the development of an information system would be to an organization can be termed as Project Feasibility.
- Feasibility analysis is the process by which feasibility s measured.
- Feasibility should be measured throughout the life cycle. The scope and complexity of a feasible project can change after the initial problem and opportunities are fully analyzed and after the system has been designed. Thus, a project that is feasible at one point may become infeasible later.
- The objective of assessing feasibility is to determine whether a development project has a reasonable chance of success. The team assesses the original assumptions and identifies other risks that could jeopardize the project's success.
- Generally, there are following areas of risks for a new system that are considered when confirming project feasibility:
    1. **Operational Feasibility** is measure of how well the solution will work in the organization. It is also a measure of how people feel about the system or project.
    2. **Technical Feasibility** is a measure of how the practice of a specific technical solution and the availability of technical resources and expertise.
    3. **Schedule Feasibility** is a measure of how responsible the project timetable is.
    4. **Economic Feasibility** is a measure of the cost-effective of a project or solution. This is often called a cost-benefit analysis.

Methodology Used

This project is depending on Agile Methodology, which is an iterative, incremental method of managing the design and build activities that aim to provide new product or services development in a highly flexible and interactive manner.

Highly changing requirements present in android mobile apps require adaptive software development methods that are adaptive. Agile is ideal for projects with a high level of uncertainty or variability and is appropriate for mobile apps development.

What is Agile Methodology?

This method assists the team is responsible for the unpredictability of construction software. It uses incremental, iterative work sequences that are commonly known as sprints. Both testing and development activities are concurrent, unlike the Waterfall Model.

The agile software development emphasizes on four core values

- Individual and team interaction over processes and tools.
- Working software over comprehensive documentation
- Customer collaboration over contract negotiation
- Responding to change over following a plan.

Stake Holders

The Stakeholder is those people who have an interest in the success of the new system. i.e. successful implementation of the new system
The end-users: Who uses the system daily

One of the most important first steps in determining the system a requirement is to identify the various system stakeholders.

The types of system user should be identified in two dimensions:
Horizontal and **Vertical**

A horizontal dimension means the analyst must look for information flows across the business department or functions.
The horizontal dimension is an indication that many different departments, even those that may appear unrelated to the system must be included in the definition of the requirements.

The vertical dimension means the information needs of clerical staff (operational staff), middle management, and the senior executive (top management). Each of these stakeholders will have different information requests for the system that must be included in the design.

Chapter 2:

System Analysis

User Case Diagram

Install application

Can adopt

Can surrender

Can contact

User

Install application

Can see adoption form

Can change adoption list

Can see surrender list

Can see contact list

Admin
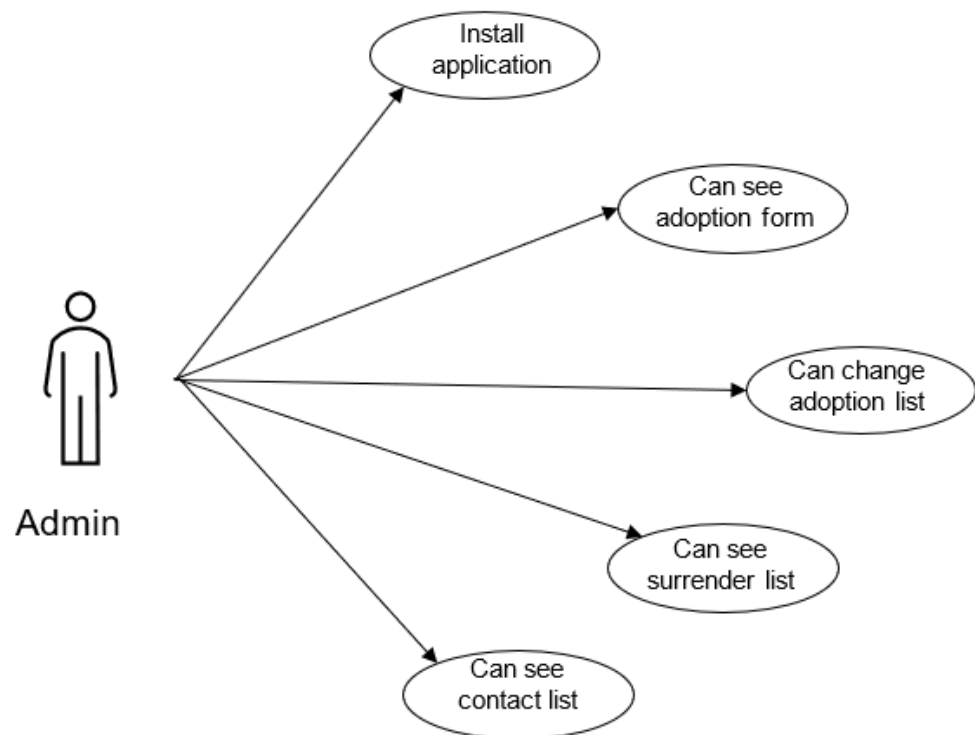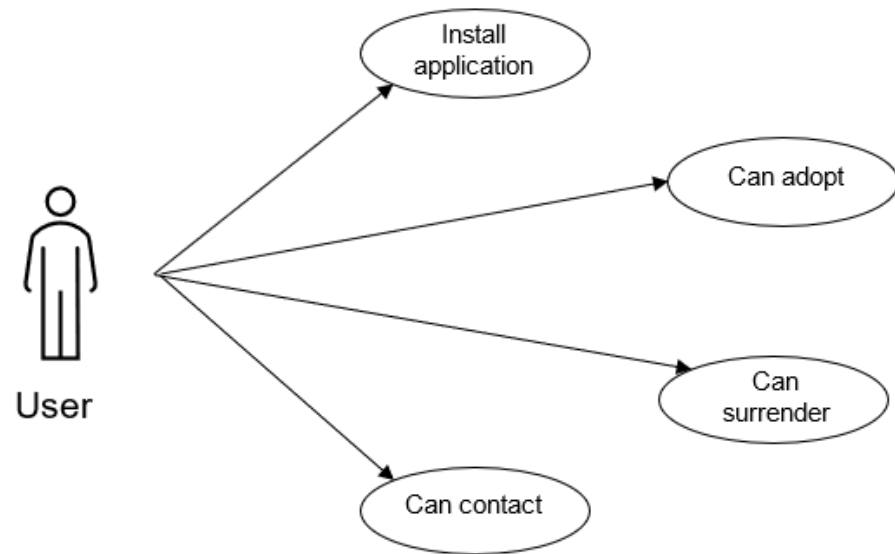
Entity Relationship Diagram
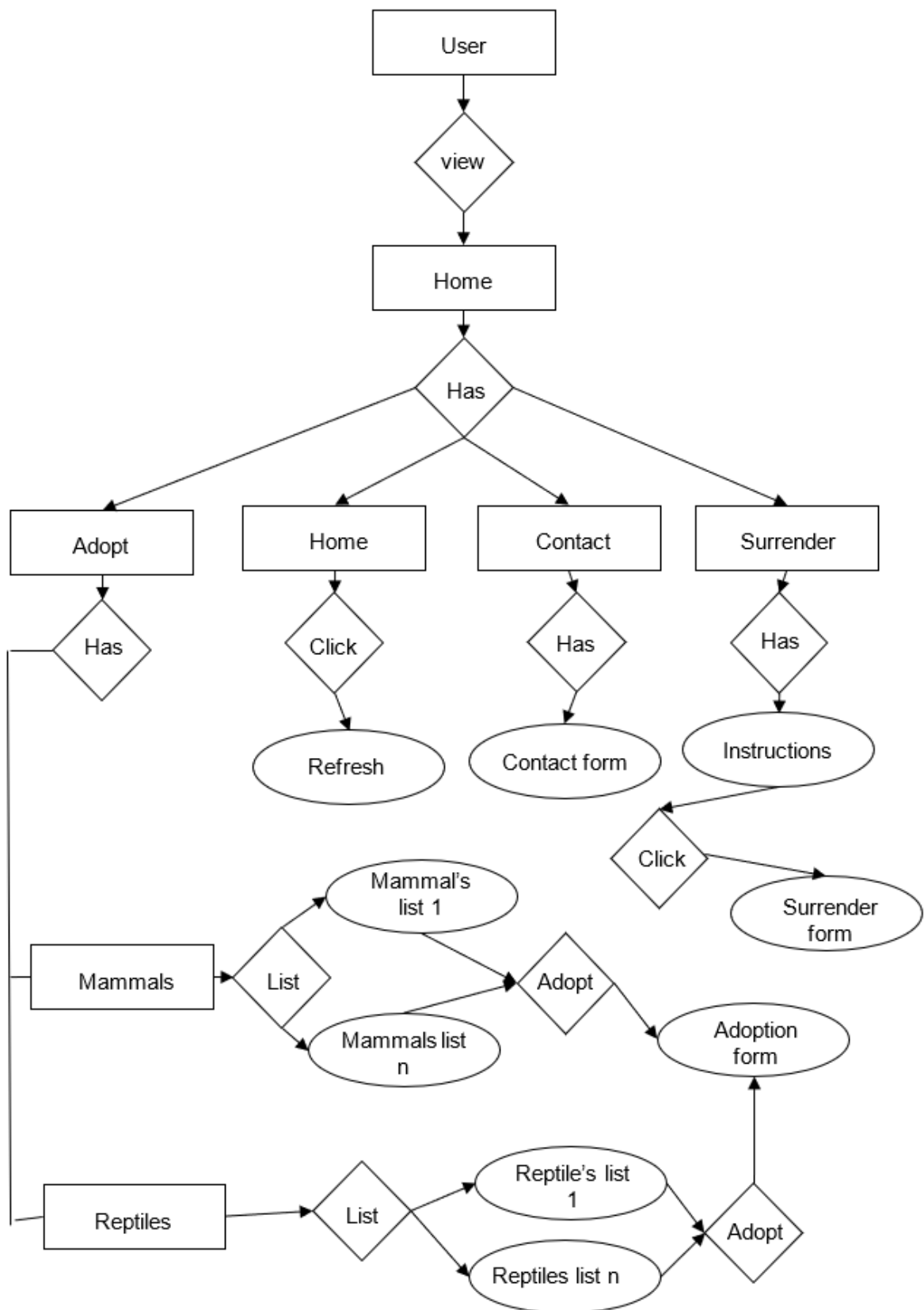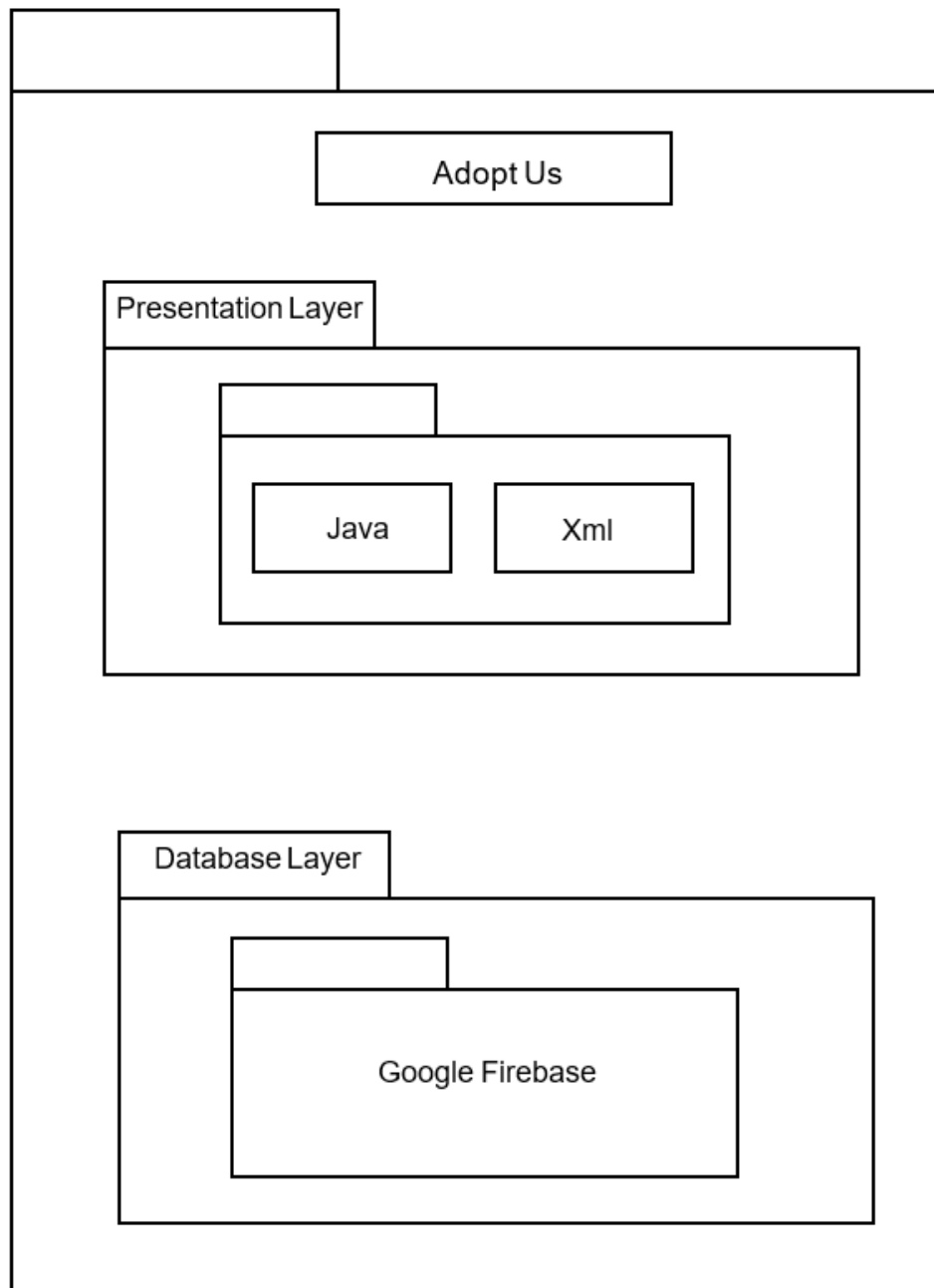
Sequence Diagram
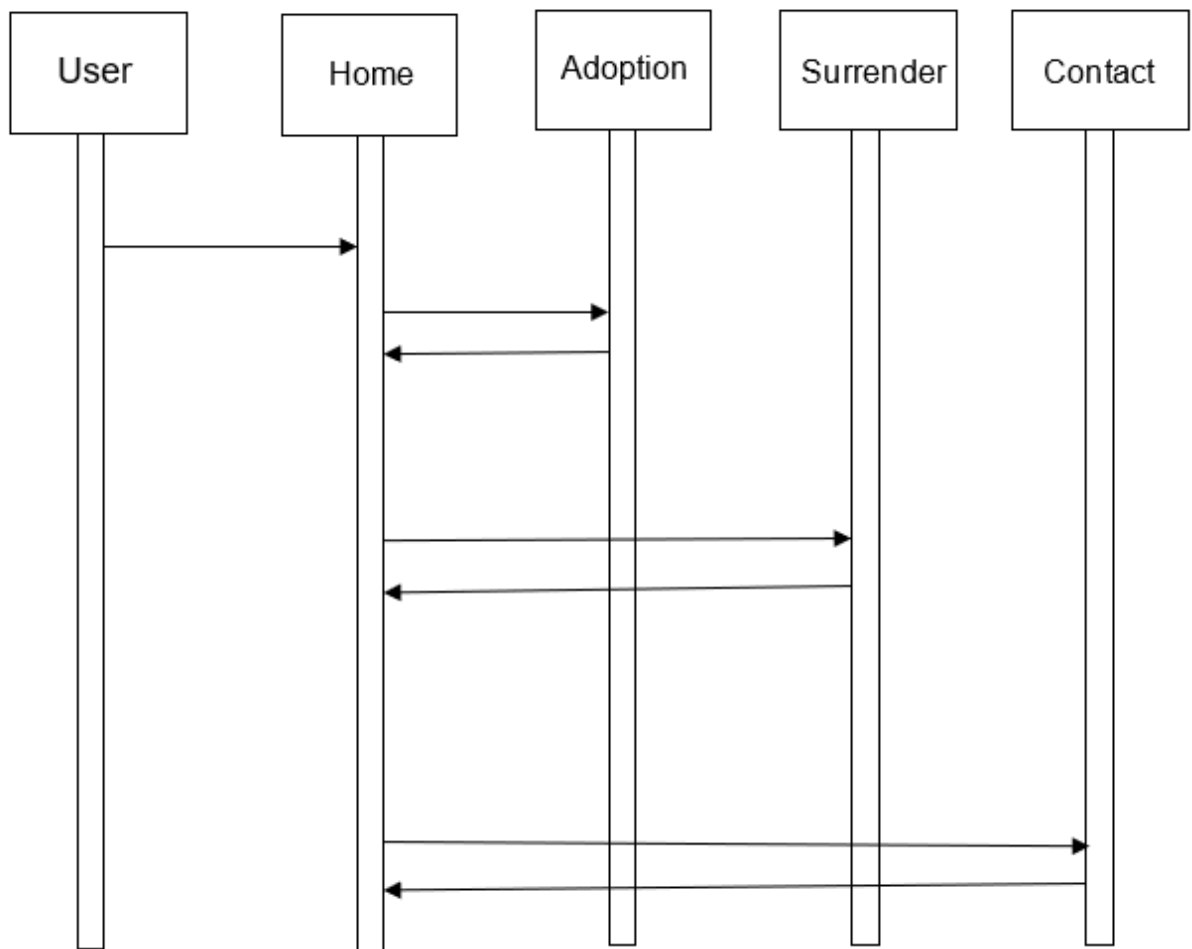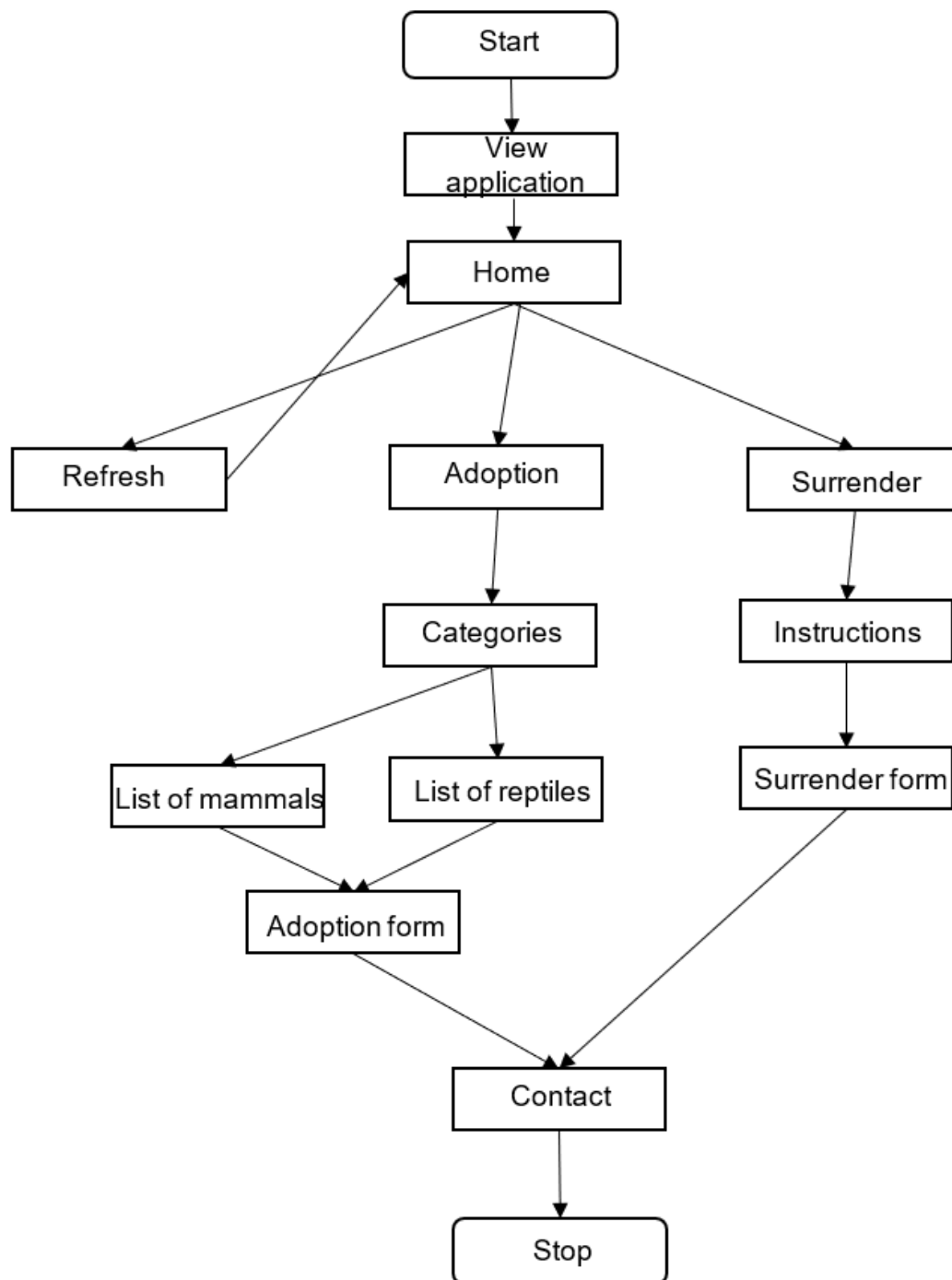
Chapter 3:

System Design

Component Diagram
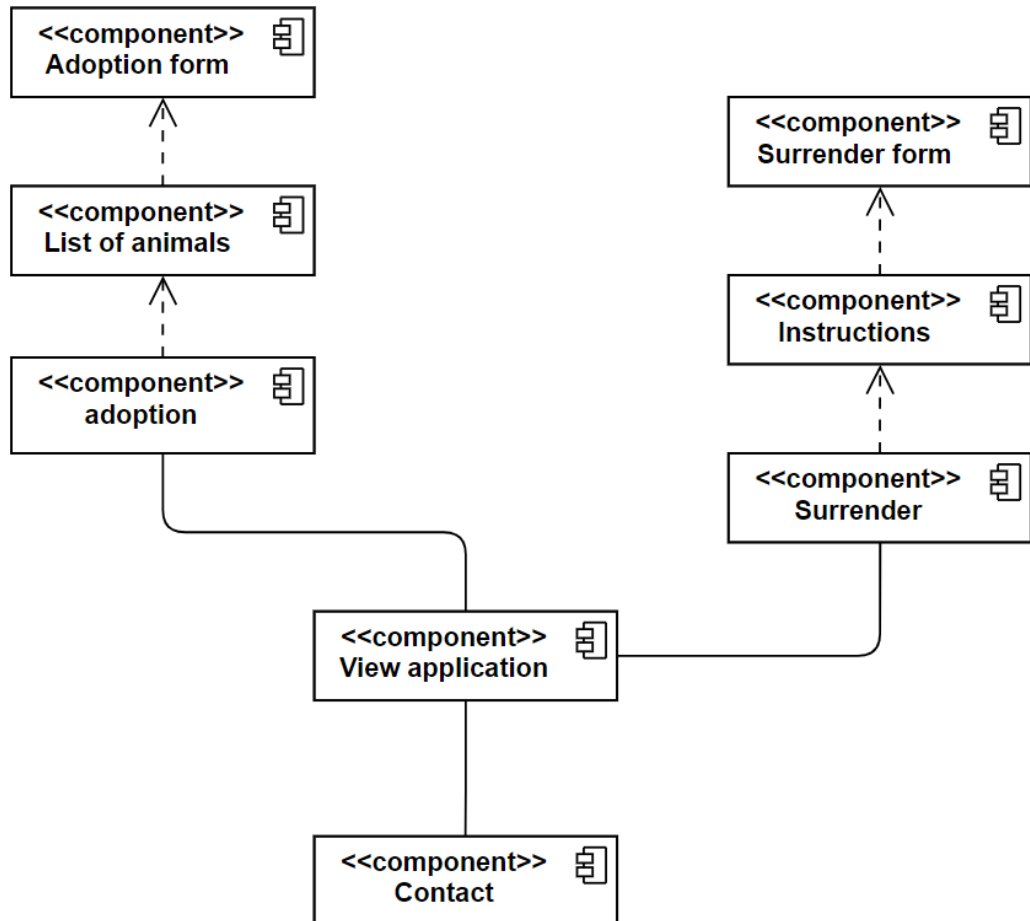
Deployment Diagram
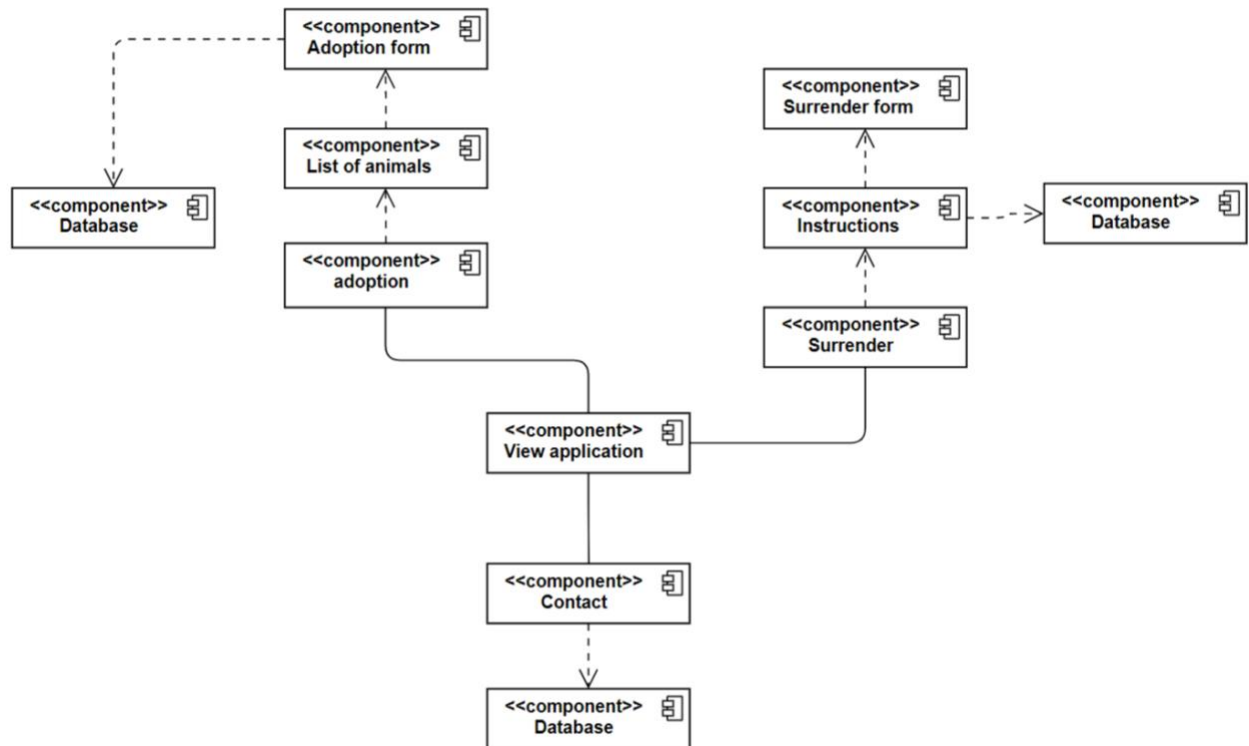
Package Diagram

System Flowchart

```
                    ┌──────────┐
                    │  Start   │
                    └──────────┘
                         │
                    ┌──────────┐
                    │   View   │
                    │application│
                    └──────────┘
                         │
                    ┌──────────┐
                    │  Home    │
                    └──────────┘
            ┌────────────┼────────────┐
       ┌─────────┐  ┌─────────┐  ┌──────────┐
       │ Refresh │  │Adoption │  │Surrender │
       └─────────┘  └─────────┘  └──────────┘
                         │             │
                   ┌──────────┐  ┌────────────┐
                   │Categories│  │Instructions│
                   └──────────┘  └────────────┘
              ┌────────┴──────┐        │
     ┌──────────────┐ ┌──────────────┐ ┌──────────────┐
     │List of mammals│ │List of reptiles│ │Surrender form│
     └──────────────┘ └──────────────┘ └──────────────┘
              └────────┬──────┘            │
                 ┌──────────────┐          │
                 │Adoption form │          │
                 └──────────────┘          │
                       └──────────┬────────┘
                             ┌──────────┐
                             │ Contact  │
                             └──────────┘
                                  │
                             ┌──────────┐
                             │  Stop    │
                             └──────────┘
```

Data Structure

Adoption:

Column Name	Datatype	Size	Attribute
First name	Varchar (20)	20	None
Last name	Varchar (20)	20	None
Phone number	Integer		Unique
Country	Varchar(10)	10	None
Address	Varchar(50)	50	None
Name (of adoption)	Varchar(10)	10	None
Race (of adoption)	Varchar(10)	10	None

Surrender:

Column Name	Datatype	Size	Attribute
First name	Varchar(20)	20	None
Last name	Varchar(20)	20	None
Address	Varchar(50)	50	Unique
Age	Integer(3)	3	Unique
Race	Varchar(10)	10	Unique
Health	Varchar(10)	10	None

Contact:

Column Name	Datatype	Size	Attribute
Full name	Varchar(50)	50	None
Email Id	Varchar()		Unique
Subject	Varchar(50)	50	None
Message	Varchar(150)	150	None

Chapter 4:

System Implementation

Splash screen

This screen will appear for 1 minute with some animations.

Home page
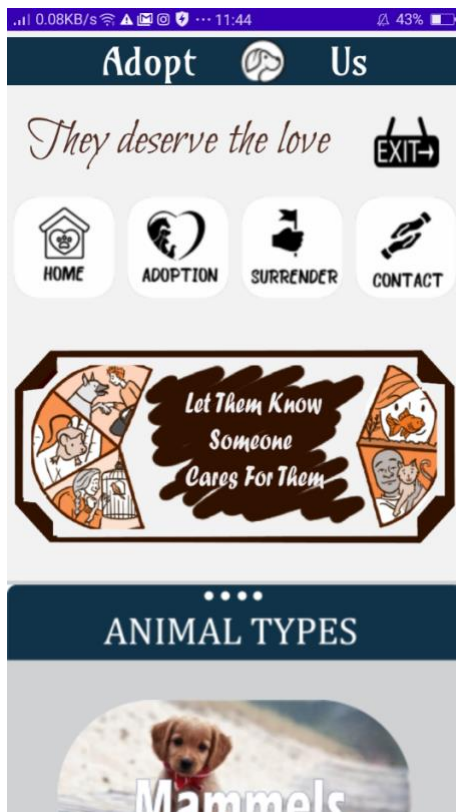
Below home page has animal types will will straitly lead us to the list of animals available.
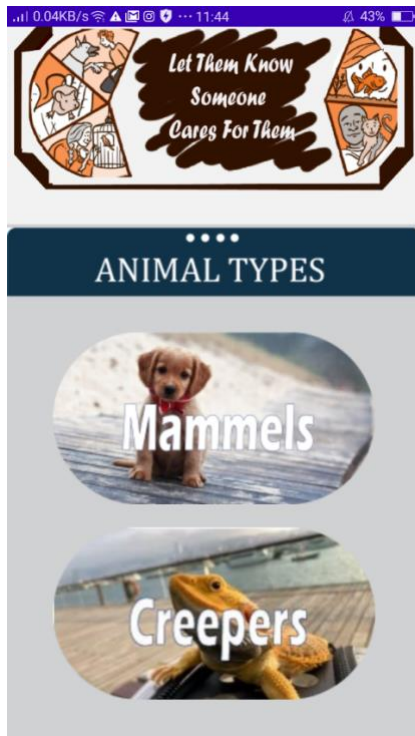
Adoption

When we click adopt option below picture will be displayed

Mammals

When we click mammals button it will display the list of mammals available for adoption
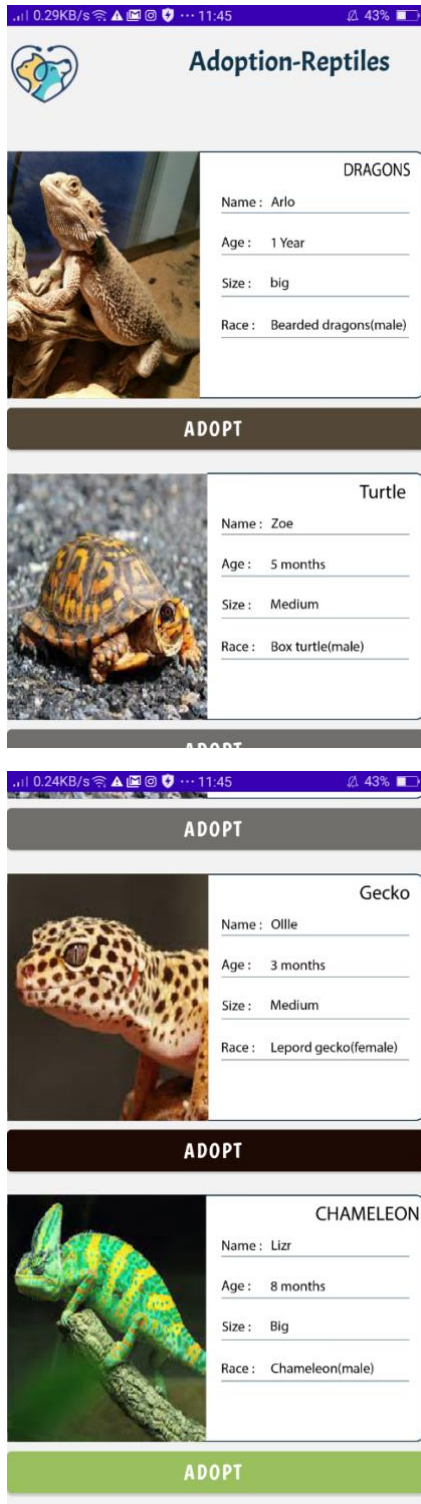
Reptiles

When we click reptile option it will display the reptiles available for adoption

After clicking adopt option it will take us to adopt form

Adoption form

When we want to adopt, we will click the adopt button which will take us to adoption form with some restrictions
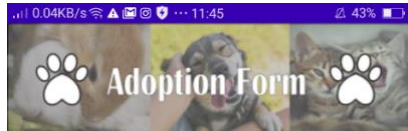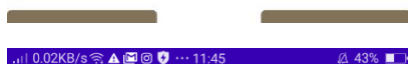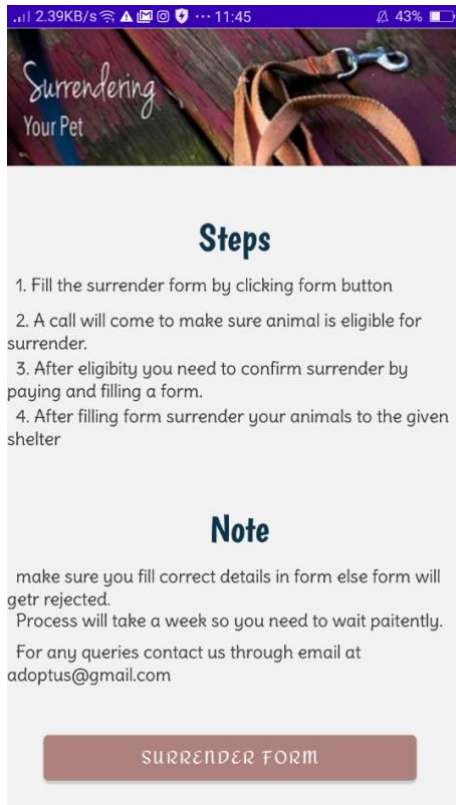
After clicking send button it will submit form and we will be in home page and reset button is used to reset the form.

Surrender

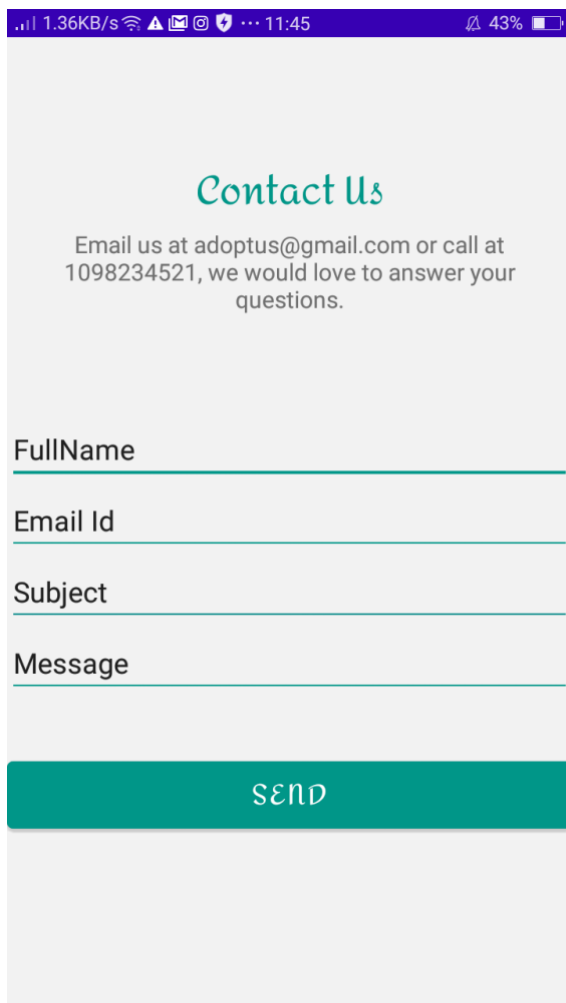When we click surrender in home page it will take us to below page with some restrictions.

After clicking "surrender form" button it will take us to surrender form. Reset button will reset page and submit button will submit form and take us to home page.

Contact

If any query, complaints, updates, glitches or message they can contact through contact

Chapter 5:

System Testing

System Testing

Objective:
The main objective of the testing is finding the defects, increase the quality of software, prevent defects, and ensure that the result meets the business and user requirements.

In System Testing the system is tested as a whole and the interaction between the components, software, and hardware is checked.

Description
In Android, System Testing normally includes
- GUI tests
- Usability tests
- Performance Tests
- Stress Test

In the above list, Performance Testing is given more focus. You can use tools like TraceView to conduct a performance test on Android. This tool can help you debug your application and profile its performance.

Testing is being carried out to check the overall accuracy, performance, and volatility of the system.

These tests are carried out to test and maintain the accuracy of data in the system.

This test report assures that the ChatSquare is being fully tested and error and bugs have been fixed, however, some issues and bugs are still found and can be removed in a future update.

This test document ensures the overall test of the system has been done and all the bugs have been removed or fixed.

Modules

User Panel:

- Adoption: making sure the list is updated day to day and there is no issues in filling and submitting adoption form.
- Surrender: making sure that people don't face any issues on surrendering animals.
- Installation: making sure that there is no problem in installation from our side.

Admin panel:

- Form : we made sure that any form is submitted will be saved in database through which we can contact people.
- Information: made sure that information people enter is safe from any attacks.

Chapter 6:

Results

Validation Testing

- **Email Fields:**

  The email fields had enabled validation to ensure the entered data is valid and accurate.

- **Password Fields:**

  The password requires one number, one or more symbol, one or more capital letters and small letters, Ex Ex@mple!.

- **Submitting :**

  On submitting form it will produce a toast to confirm that the form is successfully submitted.

- **Rejection:**

  If the country is not India then form will automatically reject to avoid unwanted storage.

Chapter 7:

Conclusion and future scope

Future Scope

- This application will be updates along with the generations
- In future if possible, we will add a feature where outside country people can also interact and find their animal partner.
- Since our organization is trustworthy so we ensure you that your data will be safe with high secured algorithms.
- There will be an option for donation where you can also help organization through donation.
- We also will come up with website where you can interact with us with the same features.
- There will be an update of latest animals for adoption through emails.

Conclusion

As technology will increase, we ensure you that to give you good satisfaction about "Adopt us" application with a good update with a good security

Chapter 8:

Reference

Reference

- www.w3schools.com

- www.stackoverflow.com

- www.icon8.com

- Photoshop is applied on images.

- www.codepen.com

- www.fontawesom.com

- animal's pictures taken from google.