



Tribhuvan University
Faculty of Humanities and Social Sciences

**Pet Adoption System
A Project Report**

Submitted to:
Department of Computer Application
Padmashree International College

In partial fulfilment of the requirements for the Bachelor in Computer Application

Submitted by:
Shekhar Ghimire
Registration No:6-2-622-38-2018
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Under the Supervision of
Basanta Chapagain



Tribhuvan University
Faculty of Humanities and Social Sciences
Padmashree International College

SUPERVISOR'S RECOMMENDATION

I hereby recommend that this project prepared under my supervision by **Shekhar Ghimire** entitled "**Pet Adoption System**" in partial fulfillment of the requirements for the degree of Bachelor of Computer Application is recommended for the final evaluation.

.....
Mr. Basanta Chapagain
Project Supervisor
Department of Computer Application
Padmashree International College



Tribhuvan University
Faculty of Humanities and Social Sciences
Padmashree International College

LETTER OF APPROVAL

This is to certify that this project prepared by **Shekhar Ghimire** entitled "**Pet Adoption System**" in partial fulfillment of the requirements for the degree of Bachelor in Computer Application has been evaluated. In our opinion it is satisfactory in the scope and quality as a project for the required degree.

..... Mr. Basanta Chapagain Project Supervisor Department of Computer Application Padmashree International College Mr. Ramesh Kumar Pudasaini BCA Coordinator Department of Computer Application Padmashree International College
..... Mr. Prajwal Rai Internal Examiner Mr. Shree Krishna Maharjan External Examiner

ABSTRACT

The Pet Adoption System is a web-based platform designed to facilitate the adoption of pets, employing a combination of HTML, CSS, JavaScript, and Core PHP technologies. This system leverages advanced algorithms, including Binary Search Trees and age-based recommendations (Junior, Adult, Senior), to enhance the pet adoption experience. In a world where pet adoption is on the rise, shelters and rescue organizations accumulate vast amounts of data on animals in their care. Manually managing this data and aiding potential adopters in finding the perfect pet can be a daunting task. The Pet Adoption System aims to simplify this process by providing a user-friendly interface that allows users to search for and adopt pets seamlessly. The system utilizes a Binary Search Tree algorithm to efficiently organize and retrieve pet information based on various attributes such as breed, size, and temperament. Moreover, it incorporates an age-based recommendation system, categorizing pets as Junior, Adult, or Senior, depending on their age. This feature enhances the matchmaking process, ensuring that potential pet owners find a companion that suits their lifestyle and preferences. By employing HTML, CSS, JavaScript for the front-end, and Core PHP for the back-end, the system offers a responsive and intuitive user interface. The adoption process becomes more accessible, with users able to browse, filter, and select pets with ease. In conclusion, the Pet Adoption System is a valuable tool for both animal shelters and potential pet owners, streamlining the adoption process and promoting responsible pet ownership. It harnesses the power of modern web technologies and advanced algorithms to provide an efficient and enjoyable experience for all parties involved in the pet adoption journey.

Keyword: Pet Adoption, Binary Search Tree, Age-based Recommendation System.

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LIST OF ABBREVIATION

CSS	Cascading Style Sheet
HTML	Hypertext Markup Language
PHP	Hypertext Pre-processor

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CHAPTER 1: INTRODUCTION

1.1 Introduction

In an era marked by an increasing trend in pet adoption, the need for efficient and user-friendly systems to connect potential pet owners with their future furry companions has never been more pressing. Shelters and rescue organizations find themselves entrusted with a wealth of data concerning the animals in their care. Yet, the task of manually managing this data and assisting prospective adopters in their quest to find the perfect pet remains a daunting endeavour.

The Pet Adoption System emerges as a web-based solution, ingeniously crafted to simplify and enhance the pet adoption experience. This system harnesses the capabilities of HTML, CSS, JavaScript, and Core PHP technologies, seamlessly integrating them into a cohesive platform. At its core lies a sophisticated fusion of algorithms, including Binary Search Trees, and an age-based recommendation system that classifies pets into categories such as Junior, Adult, or Senior, based on their age and characteristics.

In a world where pets have become cherished members of countless households, the Pet Adoption System recognizes the imperative of connecting deserving animals with loving homes. This platform offers a user-friendly interface that empowers individuals to effortlessly explore and adopt pets that align with their preferences and lifestyles.

The utilization of the Binary Search Tree algorithm ensures efficient organization and retrieval of pet information, allowing users to filter and search based on attributes like breed, size, and temperament. The age-based recommendation system adds an extra layer of sophistication, aiding in the matchmaking process, and ensuring that pets are paired with owners who can provide them with the care and environment they need to thrive.

The Pet Adoption System combines the best of modern web technologies, with HTML, CSS, and JavaScript enhancing the front-end user experience, and Core PHP powering the backend for seamless functionality. The result is a responsive and intuitive interface that simplifies the adoption process, making it accessible to all, and ultimately promoting responsible pet ownership.

In summary, the Pet Adoption System stands as a valuable tool for both animal shelters and prospective pet owners. Its mission is to streamline the pet adoption process, foster responsible pet ownership, and provide an efficient and enjoyable experience for all participants in the journey of finding the perfect furry companion.

1.2 Problem Statement

The pet adoption system in Nepal is facing several challenges that hinder its effectiveness in addressing the problem of stray animals and pet abandonment. One of the primary issues is the lack of awareness and education regarding responsible pet ownership. Many people in Nepal are unaware of the proper care and maintenance required for pets, leading to neglect and abandonment.

Another significant problem is the limited resources and infrastructure available for animal shelters and rescue organizations. These organizations often struggle to provide adequate care and shelter for the large number of animals in need, leading to overcrowding and unsanitary conditions.

Additionally, the traditional cultural beliefs and practices in Nepal also contribute to the problem. Many people in Nepal believe that animals are meant to roam free, and keeping them in captivity is not natural. This belief often leads to pets being abandoned or left to fend for themselves on the streets.

All these factors have resulted in a high population of stray animals and a limited number of adoptions, making it challenging to address the problem of pet abandonment and overpopulation. Therefore, the pet adoption system in Nepal needs to overcome these challenges to be effective in promoting responsible pet ownership and reducing the number of stray animals on the streets.

1.3 Objectives

- **To Facilitate Pet Adoption:** To Develop a user-friendly web application facilitating the process of adopting pets, making it more accessible and convenient for potential adopters.
- **To Leverage Advanced Algorithms:** To Implement advanced algorithms such as binary search and age-based recommendation systems to enhance the efficiency and effectiveness of the pet adoption system.

1.4 Scope and Limitation

1.4.1 Scope

The scope and limitations of a pet adoption system in Nepal can vary depending on various factors, including the resources available, cultural considerations, and legal requirements. The primary scope of a pet adoption system in Nepal is to provide a platform or mechanism for individuals or families to adopt pets in need of homes. This can involve connecting prospective

adopters with available pets, providing information about the pets' characteristics, and facilitating the adoption process. A pet adoption system can contribute to promoting animal welfare in Nepal by encouraging responsible pet ownership, raising awareness about the importance of spaying/neutering, and providing education on pet care and welfare. The system can collaborate with animal shelters, rescue organizations, and foster homes to provide a centralized platform where these entities can showcase pets available for adoption.

1.4.2 Limitation

Nepal may have a relatively limited adoption culture compared to other countries. Some cultural beliefs and practices may discourage pet adoption, and the system may need to address these challenges through awareness campaigns and education. Access to the internet and digital platforms may be limited in certain regions of Nepal. This can pose challenges in reaching a wide audience and implementing an online-centric pet adoption system. Alternative methods such as offline adoption events or partnerships with local organizations may be necessary to overcome this limitation.

In some areas, there may be a lack of proper infrastructure, facilities, and resources for pet adoption, such as animal shelters or veterinary care centres. These limitations can affect the effectiveness of the adoption system and require additional efforts to address. There may be specific legal and regulatory requirements related to pet adoption in Nepal that need to be considered and followed. This includes obtaining necessary permits, complying with animal welfare laws, and ensuring the well-being of adopted pets.

1.5 Development Methodology



Figure 1.1: Agile Methodology

The Agile development methodology is found to be suitable for the Pet Adoption. In Agile, the project is divided into short development cycles called sprints, each lasting a few weeks. Features are developed incrementally, with continuous user feedback and testing. This approach allows for flexibility and early delivery of a minimum viable product. The website evolves over time, integrating the machine learning model step by step. Maintenance and further development continue to meet evolving needs.

1.6 Report Organization

Chapter 1: Introduction

This chapter includes introduction, problem statement, objectives, scope and report organization which identifies and focuses on core ideology of the working system of Pet Adoption System.

Chapter 2: Background Study and Literature Review

This chapter includes the information relating project similar to project that is being developed and mentioning their work as a reference for Pet Adoption System.

Chapter 3: System analysis and Design

This chapter includes the explanation of various diagrams like sequence diagram, class and object diagram, activity diagram, component diagram, deployment diagram providing the information on how the system works after the development of Pet Adoption System.

Chapter 4: Implementation and Testing

This chapter includes the information relating case tools and programming language used to create pet adoption system alongside the test requirement measurement for unit and system testing. Implementation of the algorithm is also described in this chapter with the code.

Chapter 5: Conclusion and Future Recommendations

This chapter includes the information relating the overall summary of the pet adoption system creation and recommendation for the upgrades that can be performed later on.

Chapter 2: Background Study and Literature Review

2.1 Background Study

Pet adoption is a process that involves the transfer of ownership of a pet from an animal shelter or rescue organization to an individual or family who will provide the pet with a permanent home. In Nepal, pet ownership is on the rise, with many people opting to adopt pets instead of buying them from pet shops or breeders. However, the existing pet adoption system in Nepal faces several challenges, including a lack of efficiency, inaccurate matching of pets with potential adopters, and a high rate of returns or re-homing of pets. [1]

The use of machine learning in the pet adoption process has the potential to address some of these challenges and improve the adoption experience for both adopters and animal shelters. Machine learning algorithms can analyse data on the adopter's lifestyle, preferences, and living environment, as well as the pet's characteristics and temperament, to make more accurate matches. This can reduce the number of returns or re-homing of pets and increase the number of successful adoptions. [2]

2.2 Literature Review

In recent years, the pace of people's lives has accelerated significantly, leading to a surge in the number of abandoned pets. This increase in displaced animals has not only affected the natural world but has also had profound repercussions on human lives. Additionally, stray animals pose a hidden yet substantial threat to the environment, public transportation, and public health security within cities. The human effort to rescue these animals is still in its early stages and faces numerous challenges.

One of the primary challenges is the limitations on rescue locations, often located in remote areas. The substantial financial investments required for rescue efforts, coupled with difficulties in updating and disseminating relevant news and information, exacerbate the situation. These circumstances indirectly contribute to both an increase in the number of pets entering animal rescue facilities and a decrease in the number of pets being adopted. This puts immense pressure on rescue teams, forcing them to grapple with economic and logistical issues.

Furthermore, adopting a pet carries profound meaning and implications. Firstly, it heightens people's awareness of the need to care for animals, thereby reducing the occurrence of unethical treatment of pets and cruelty towards animals. Adopting a pet also plays a crucial role in

instilling a sense of responsibility and empathy in children, fostering an understanding of the importance of animal welfare and environmental protection.

In today's world, children are often surrounded by concrete landscapes and high-rise buildings, disconnecting them from the natural world. However, through pet adoption, children can rekindle a sense of love and compassion that may have waned in their urbanized surroundings. It offers them an opportunity to appreciate the beauty of life and rediscover the childlike innocence that is an integral part of growing up.

As society becomes increasingly reliant on e-commerce and online transactions, it becomes evident that the adoption of animals, too, can benefit from the advantages of the internet. The development and design of a web-based pet adoption system are now more relevant than ever, enabling individuals to explore and adopt pets from the comfort of their homes, further promoting responsible pet ownership and animal welfare. [3]

Pet overpopulation has remained a pressing issue for an extended period. Across the nation, there are countless dogs residing in shelters, all in desperate need of loving homes. Unfortunately, when individuals search for these dogs on shelter websites, they often encounter only brief descriptions and low-quality photographs presented within poorly designed web environments. These postings typically lack the depth of information necessary to assist potential pet owners in making well-informed decisions when selecting the right canine companion.

It is clear that dogs in these shelters would have significantly improved chances of being adopted if they were provided with a more prominent and engaging online presence. The objective of this project is to establish a digital shelter dog adoption center that presents adoptable dogs in a more attractive, interactive, and informative manner, with a focus on ensuring an accurate match between the dog and potential owner.

This approach is particularly beneficial for dogs facing greater challenges in finding forever homes, such as older dogs, specific breeds or sizes, physically or mentally challenged dogs, or those with unique special needs. By enhancing the online presence of these dogs, we aim to increase their visibility, improve their chances of finding suitable homes, and contribute to the overall well-being of these wonderful animals. [4]

Cats and dogs are commonly cherished as domesticated companions, fostering mutual psychosocial benefits with their human counterparts. However, the global COVID-19 pandemic and the ensuing social distancing measures, including widespread remote work policies, have brought about a troubling consequence. There have been reports of pet abandonment and instances of animal cruelty during this time, possibly fuelled by unfounded

rumors suggesting that animals could be potential carriers of the virus. These distressing situations have led to the suffering and euthanasia of stray dogs, shedding light on the pervasive issue of animal cruelty, which transcends both developed and developing nations. [5]

Chapter 3: System Analysis and Design

3.1 System Analysis

This project aims to develop an innovative Pet Adoption System. Its primary objective is to initiate pet adoption using different algorithms. The project involves systematic steps, including in-depth system analysis to gather requirements and ensure feasibility. Various modelling techniques, such as object modelling, dynamic modelling, and process modelling, are utilized for a comprehensive understanding of the system's functionality. Component and deployment diagrams are also crafted to meet specific system requirements. The Pet Adoption System aspires to provide an efficient, user-friendly platform that simplifies pet adoption, promotes responsible ownership, and enhances the well-being of both pets and their human companions.

3.1.1 Requirement Analysis

Requirement analysis is a crucial phase in software development where the system's functionalities and user expectations are meticulously examined. This process involves identifying the needs of end-users and creating a Software Requirement Specification (SRS) document. Before embarking on the development of the new system, the following requirements are carefully considered:

i. Functional requirements

Functional requirements for a Pet Adoption System that utilizes algorithms like binary search and age-based recommendation typically include the following:

- User Registration and Authentication:
 - Users must be able to create accounts and log in securely.
 - Authentication mechanisms should be in place to protect user data.
- Pet Listings:
 - The system should allow shelters and individuals to list pets available for adoption.
 - Detailed pet profiles should include information such as name, breed, age, size, temperament, medical history, and photos.
- Advanced Search and Filtering:
 - Users should be able to search for pets using various criteria, including breed, age, size, and temperament.

- Advanced search options like the use of binary search algorithms can facilitate precise results.
- Age-based Recommendation System:
 - Consider age-based recommendations (e.g., Junior, Adult, Senior) to match pets with suitable owners.
- Adoption Application:
 - Users should be able to apply for pet adoption directly through the system.
 - Shelters or individuals must have the ability to review and approve adoption applications.
- User Profiles:
 - Users should have profiles where they can manage their adoption applications, saved pet profiles, and preferences.
 - User profiles can also include adoption history and reviews.
- Admin Panel:
 - Administrators should have access to a secure panel for managing user accounts, pet listings, and applications.
 - They should be able to monitor and moderate user activity.

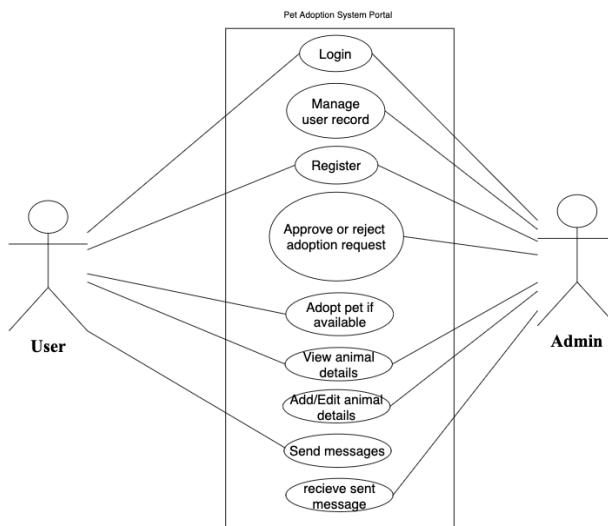


Figure 3.1: Use Case Diagram of Pet Adoption System

In a Pet Adoption System, users can view, search, adopt animals, and edit their information. Administrators, on the other hand, have the capability to create and manage user records, manage pet records, and approve or reject adoption requests. The system facilitates interactions between users and administrators, allowing for the adoption of pets while ensuring administrative control and management of records and requests.

ii. Non-functional requirements

Non-functional requirements for a Pet Adoption System that incorporates algorithms like binary search and age-based recommendations focus on qualities and constraints that are important for system performance, usability, and security. Here are some non-functional requirements for such a system:

- Performance:
 - Response Time: The system should respond to user actions (searches, recommendations, application submissions) within seconds, ensuring a smooth and efficient user experience.
 - Scalability: The system must handle an increasing number of pet listings, users, and simultaneous requests as it grows without a significant drop in performance.
- Usability:
 - User-Friendly Interface: The user interface should be intuitive and easy to navigate, even for individuals with limited technical expertise.
 - Accessibility: The system should comply with accessibility standards to ensure that it is usable by individuals with disabilities.
- Reliability:
 - Availability: The system should be available 24/7 with minimal downtime for maintenance.
 - Data Integrity: Data stored in the system should remain accurate and consistent, with mechanisms in place to prevent data corruption.
- Security:
 - Data Security: User data, including personal information, should be securely stored and transmitted using encryption protocols.
 - Authentication: Ensure robust user authentication to prevent unauthorized access.
 - Authorization: Implement role-based access control, granting specific privileges to administrators, shelters, and adopters as needed.
 - Protection against Attacks: Implement security measures to defend against common web vulnerabilities such as SQL injection and cross-site scripting (XSS).

3.1.2 Feasibility Analysis

For the feasibility analysis, the study of technical, operational, and economic are crucial

i. Technical Feasibility

- From a technical perspective, the Pet Adoption System is well-founded and achievable. The necessary technology stack, including HTML, CSS, JavaScript, Core PHP, and MySQL, is readily available and widely supported within the software development ecosystem.
- Leveraging advanced algorithms such as binary search and age-based recommendation systems is technically feasible, thanks to existing libraries and frameworks that facilitate their implementation.
- The use of open-source and free tools further enhances technical feasibility by minimizing resource constraints and ensuring access to essential software development resources.

ii. Operational Feasibility

- Operationally, the Pet Adoption System aligns with the needs of both adopters and shelters. Its user-friendly interface simplifies pet adoption, making it accessible and convenient.
- The system's operational feasibility extends to shelter administrators who can efficiently manage pet listings, applications, and user interactions through the provided administrative tools.
- Adoption applicants find the system operationally feasible as it streamlines the adoption process and offers transparent communication channels.

iii. Economic Feasibility

- The Pet Adoption System's economic feasibility is supported by its cost-effective development approach. The use of open-source tools and free resources significantly reduces development expenses.
- Furthermore, the economic feasibility extends to shelters and potential pet owners by minimizing adoption costs associated with traditional, non-digital adoption processes.
- The system's potential to increase pet adoption rates can result in cost savings for animal shelters by reducing the long-term care of animals awaiting adoption.

iv. Scheduling Feasibility

Tasks	Week 1-2	Week 3-4	Week 5-6	Week 7-8	Week 9-10	Week 10-12	Week 12-14	Week 15-16
Documentation								
Planning								
Design								
Development								
Testing								
Deployment								

Figure 3.2:Gantt Chart of Pet Adoption System

Based on previous experience, the project was successfully completed within a 4.5-month timeframe (Starting March,2023 until Early July,2023). This timeline demonstrates that the software development project proceeded without any complications and adhered to the established schedule, affirming its timeliness and feasibility.

3.1.3 Object Modelling: Object & Class Diagram

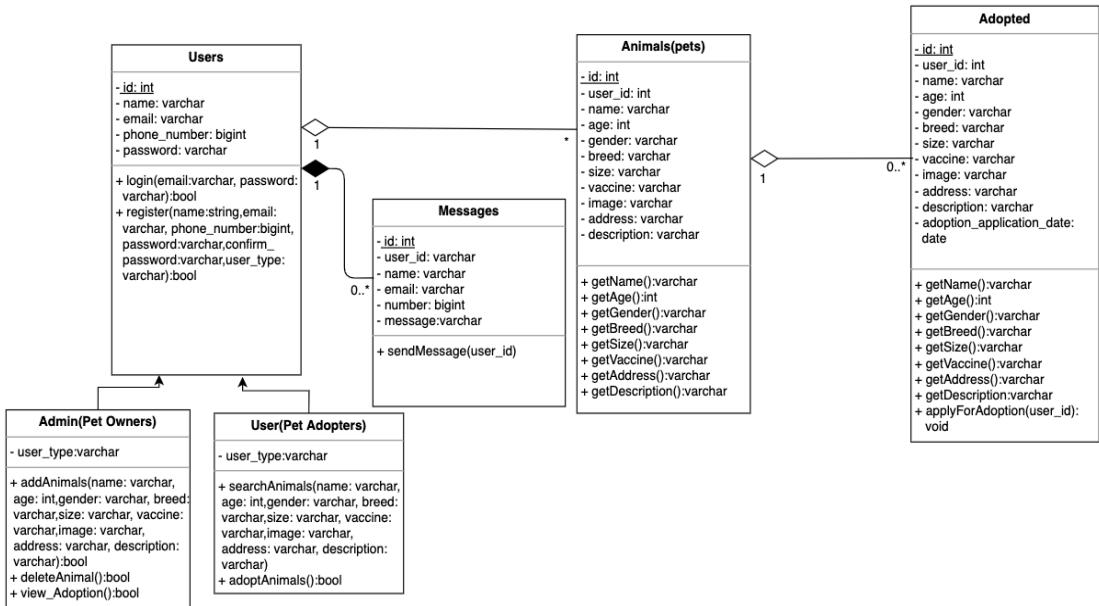


Figure 3.3:Class Diagram of Pet Adoption System

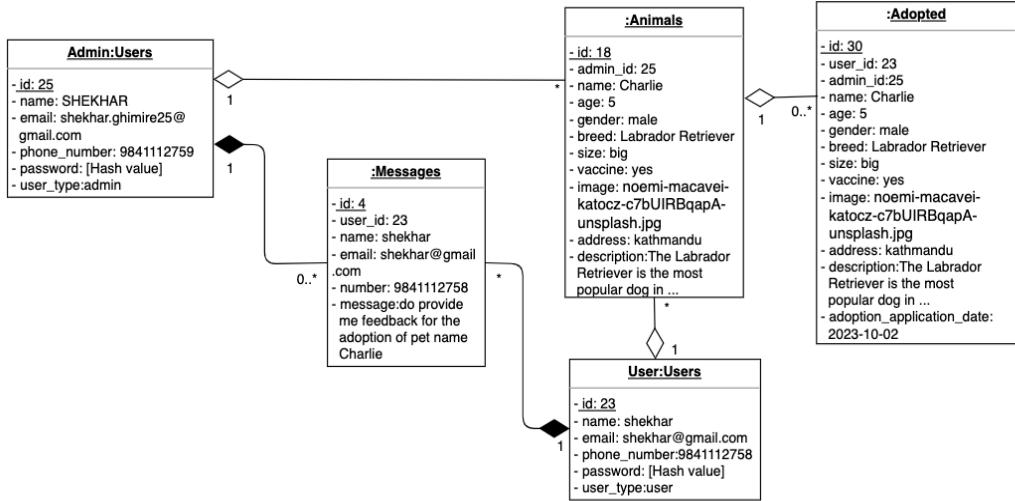


Figure 3.4: Object Diagram showing a single instance of class for Pet Adoption System

3.1.4 Dynamic Modelling: State & Sequence diagram

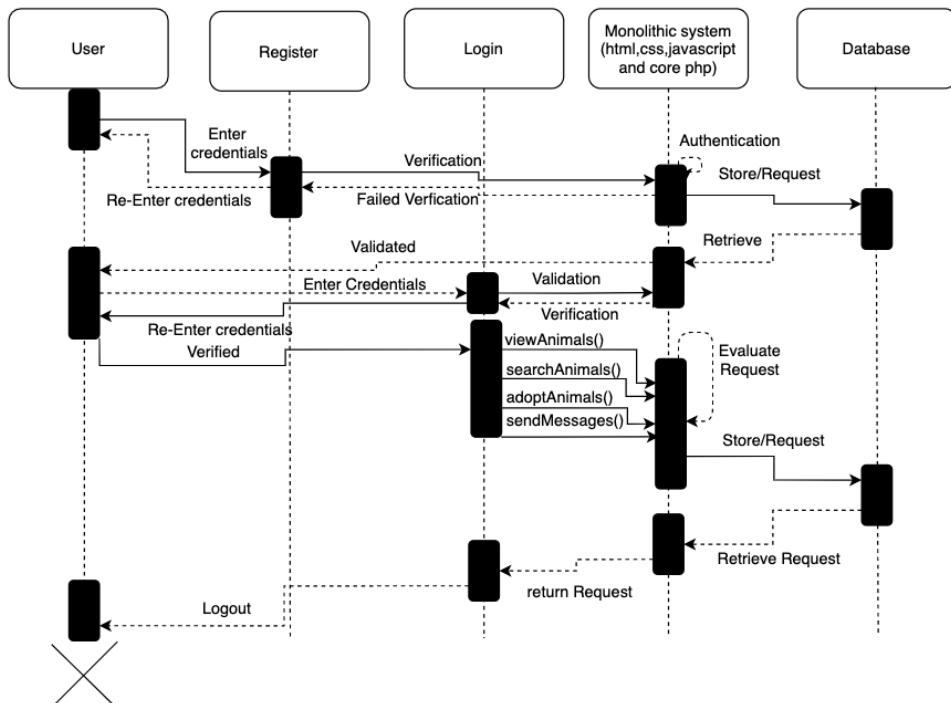


Figure 3.5: Sequence Diagram for User

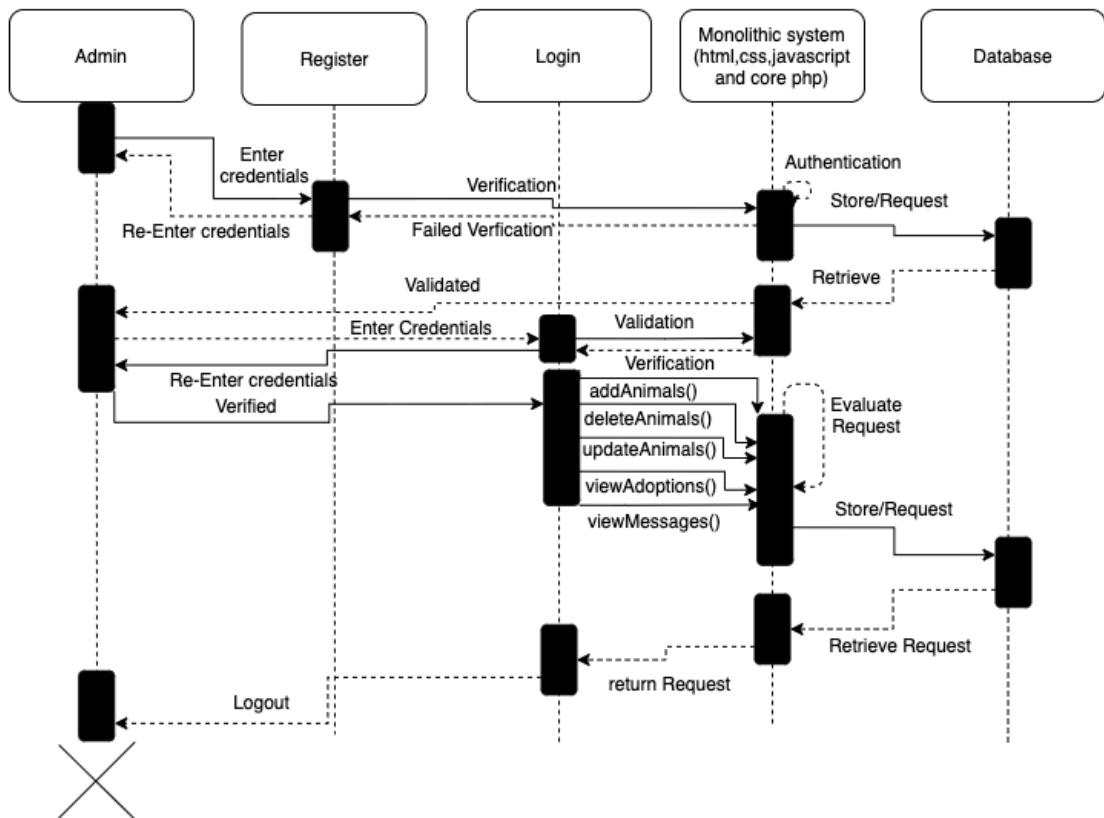


Figure 3.6: Sequence Diagram for Admin

3.1.5 Process modelling: Activity Diagram

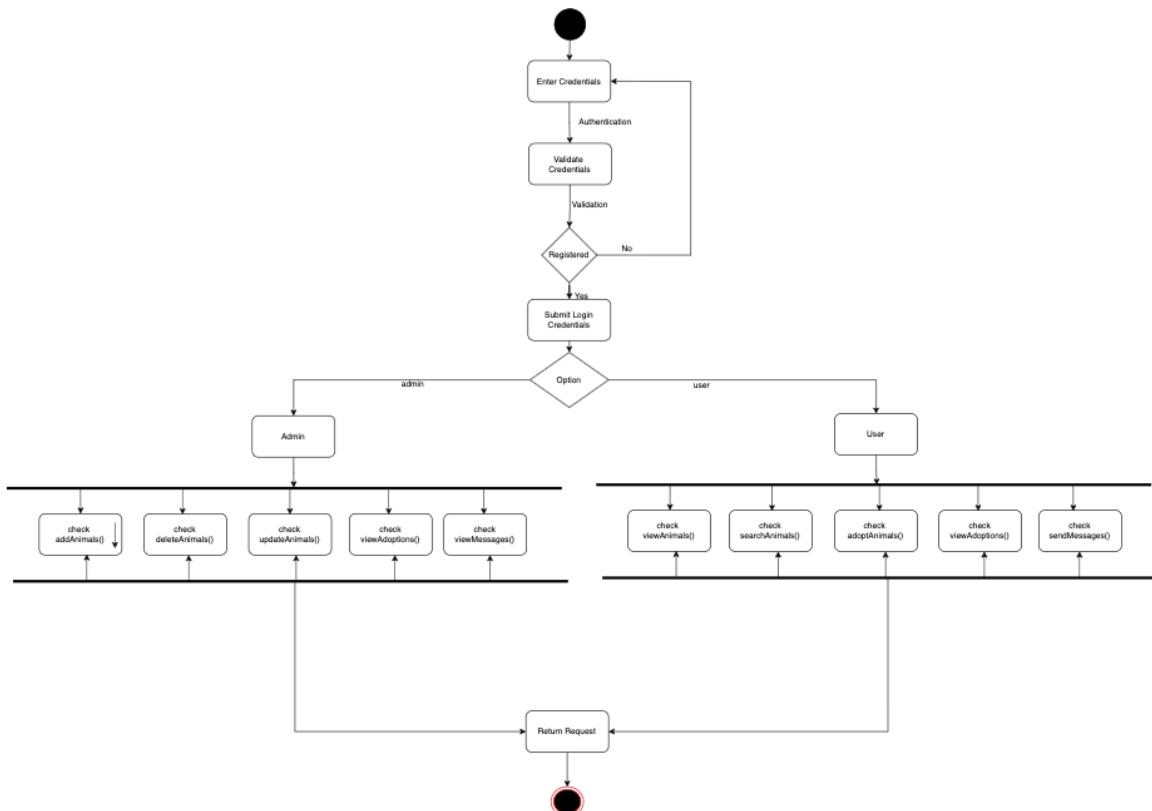


Figure 3.7: Activity Diagram of Pet Adoption System

3.2 System Design (Structured Approach/Object Oriented Approach)

3.2.1 Component diagram

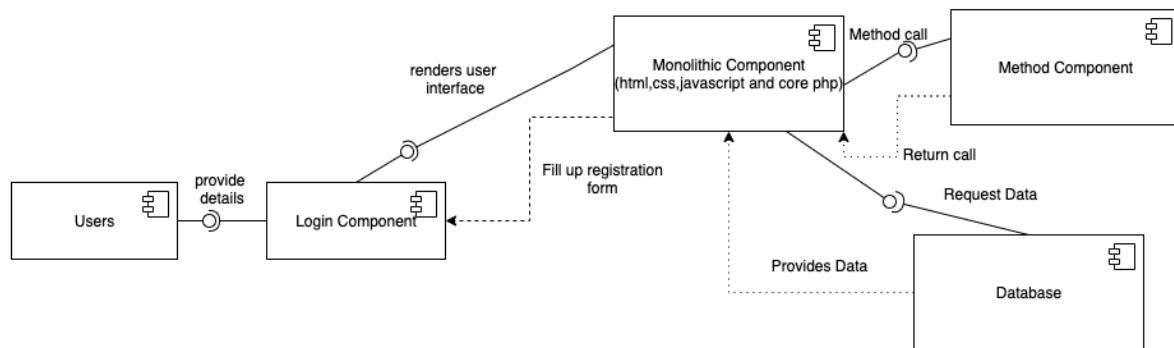


Figure 3.8:Component Diagram of Pet Adoption System

3.2.2 Deployment diagram

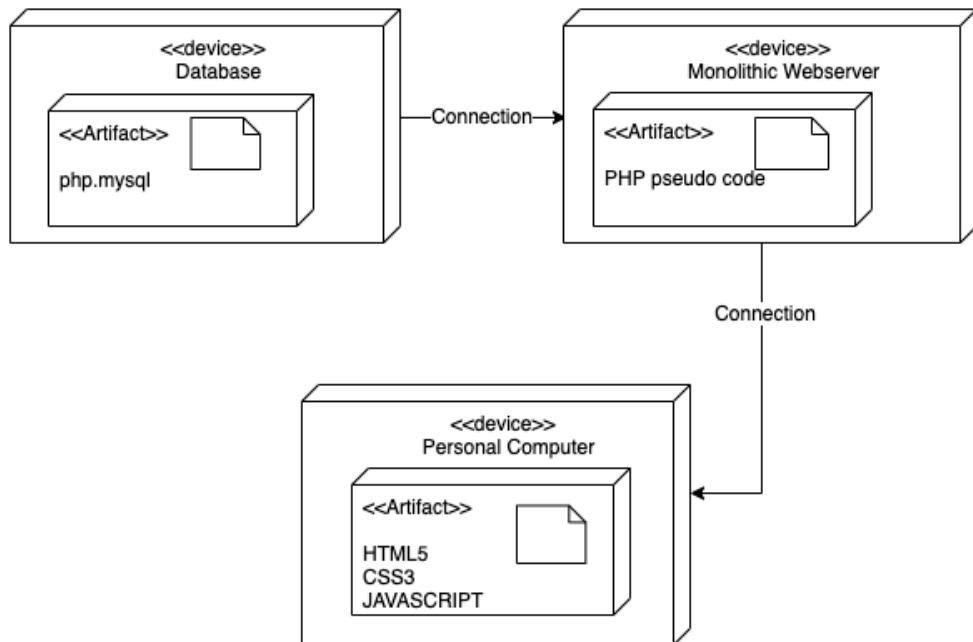


Figure 3.9: Deployment Diagram of Pet Adoption System

3.3 Algorithm details

The binary search algorithm is a fundamental search algorithm used to efficiently locate a specific element within a sorted collection, such as an array or a list. It follows a divide-and-conquer approach, significantly reducing the number of comparisons required to find the target element compared to linear search algorithms. Here are the details of the binary search algorithm:

Algorithm Steps:

- i. **Initialization:**
 - Binary search begins with two pointers, left and right, which represent the range of elements to search within. Initially, left points to the first element, and right points to the last element of the sorted collection.
- ii. **Midpoint Calculation:**
 - Calculate the midpoint of the current range as $\text{mid} = (\text{left} + \text{right}) / 2$. This represents the index of the element in the middle of the current search range.
- iii. **Comparison:**
 - Compare the element at the mid index with the target element you're searching for.
- iv. **Three Possible Outcomes:**
 - If the element at mid matches the target, the search is successful, and you return the index mid.
 - If the element at mid is greater than the target, it means the target is located in the left half of the current range. Update right to mid - 1, narrowing the search range to the left side.
 - If the element at mid is less than the target, it means the target is located in the right half of the current range. Update left to mid + 1, narrowing the search range to the right side.
- v. **Repetition:**
 - Repeat steps 2 to 4 until one of the following conditions is met:
 - The target element is found, and its index is returned.
 - The left pointer exceeds the right pointer, indicating that the element is not in the collection. In this case, the search terminates with a "not found" result.

Binary search is a powerful and efficient algorithm for searching for specific elements within sorted collections. Its ability to quickly narrow down the search range makes it an essential tool in computer science and programming.

Chapter 4: Implementation and Testing

4.1 Implementation

In the Software Development Life Cycle (SDLC), the System Implementation and Testing phase is a critical step in bringing the Pet Adoption System to life. This phase involves the following key steps tailored to the context of the Pet Adoption System:

- **Coding:** Creating the web app, implementing features like age-based recommendations and search.
- **Testing:** Ensuring the system works correctly, is user-friendly, secure, and compatible, fixing any bugs.
- **Installation:** Deploying the system on a web server with optimized configurations.
- **Training:** Educating shelter staff on system management.
- **Documentation:** Creating user guides and admin instructions.
- **Deployment:** Making the bug-free system public-ready, simplifying pet adoption for users.

4.1.1 Tools used (CASE tools, programming languages, database platforms)

4.1.1.1 Case Tools

In the development of the Pet Adoption System, various software tools are employed for different purposes. For object modelling and process modelling, tools like draw.io are utilized. Additionally, Lucid chart comes into play for creating sequence diagrams and component diagrams.

4.1.1.2 Programming Languages:

Front-End Technologies:

HTML: HTML is leveraged for designing the system's user interface and structuring its content.

CSS: CSS is used to style the interface, making it visually appealing by applying various CSS properties.

JavaScript: JavaScript adds interactivity to the system and handles client-side form validation, enhancing the user experience.

Backend Language:

Core PHP: The core PHP language is at the heart of the system's backend development. It is responsible for creating dynamic web applications and interacting with the MySQL database.

4.1.1.3 Database Platform:

MySQL: MySQL serves as the database platform for the Pet Adoption System. It is a robust relational database management system that stores and retrieves data efficiently. The system's data is managed and processed within the MySQL database to ensure smooth and reliable operations.

In summary, the Pet Adoption System utilizes a combination of technologies and tools, including HTML, CSS, JavaScript, Core PHP, and MySQL, to create a user-friendly web application that streamlines the pet adoption process. These technologies and tools enable the system to deliver a seamless user experience and efficient database management.

4.1.2 Implementation details of modules

Binary Search Algorithm:

Binary search is an efficient algorithm used to locate a specific item (in this case, an age) within a sorted list or array. It works by repeatedly dividing the search range in half, eliminating half of the remaining elements each time, until the desired item is found or determined to be absent. Binary search is particularly useful when dealing with sorted data, as it drastically reduces the number of comparisons needed to find an item compared to linear search.

Binary Search Algorithm using PHP:

```
function binarySearch($animalAges, $searchAge) {  
    $left = 0;  
    $right = count($animalAges) - 1;  
    while ($left <= $right) {  
        $mid = $left + floor(($right - $left) / 2);  
  
        if ($animalAges[$mid] == $searchAge) {  
            return $mid; // Element found, return its index  
        }  
        if ($animalAges[$mid] < $searchAge) {  
            $left = $mid + 1;  
        } else {
```

```

    $right = $mid - 1;
}
}

return -1; // Element not found
}

```

Here's how the PHP binary search algorithm works within the code:

- i. It starts with defining two pointers, \$left and \$right, which represent the current search range within the \$animalAges array.
- ii. Inside a while loop, the algorithm calculates the middle index, \$mid, by averaging the values of \$left and \$right.
- iii. It checks if the element at index \$mid in the \$animalAges array matches the \$searchAge. If there's a match, the algorithm returns the index \$mid, indicating that the age has been found.
- iv. If the element at index \$mid is less than the \$searchAge, it means that the desired age is likely in the right half of the search range. Therefore, the \$left pointer is updated to \$mid + 1 to narrow the search range to the right.
- v. If the element at index \$mid is greater than the \$searchAge, it means that the desired age is likely in the left half of the search range. Therefore, the \$right pointer is updated to \$mid - 1 to narrow the search range to the left.
- vi. The loop continues until the search range is exhausted (\$left is greater than \$right). If the element is not found during this process, the algorithm returns -1 to indicate that the age was not found in the sorted list.

This binary search algorithm efficiently locates specific ages in the sorted list of animal ages, reducing the number of comparisons and iterations needed to find a particular age.

4.2 Testing

For the development of the 'Pet Adoption System', testing was performed considering its functionality using data stored in MySQL database. The system underwent comprehensive testing to ensure that all features and functionalities were working as intended. This rigorous testing process was crucial to prepare the system for live usage and to provide a reliable platform for pet adoption.

4.2.1 Test Case Requirement

Table 4.1: Test Case Design

S.NO.	Description	Requirements
1.	Admin Rights	<ul style="list-style-type: none"> -View/Edit/Delete users' details -Add/View/Update/Delete Pet Details -View/Delete Pet Adoptions -View/Delete User Messages
2.	Users Rights	<ul style="list-style-type: none"> -Creating users (Registration) -View Pet Details -View/Adopt Pet -Send Message for Further Enquiry
.	Duplicate Admin Credentials	-Email with Password must be different.
4.	Duplicate User credentials	<ul style="list-style-type: none"> - Email and Phone Number must be different.
5.	Change Password	-User and Admin should be able to change password.

4.2.2 Test cases for Unit Testing

Table 4.2: Test Case for Admin

S.No.	Test Case ID	Test Description	Input Test Data	Expected Result	Actual Result	Test Result
1.	TC-1.1	Open Browser and enter URL	http://localhost/petadoptionsystem/login.php	<ul style="list-style-type: none"> Must Display Login Page Having input field of email And password 	As Expected	Passed

2.	TC-1.2	Enter Valid Admin Credentials /Admin Email and Password	Email: admin@gmail.com Password: *****	Must Redirect Access to Admin Panel	As Expected	Passed
3.	TC-1.3	Enter Data in Email and Password as Empty	Email: Password:	Must Show Error Message	As Expected	Passed
4.	TC-1.4	Enter Data in Email as empty with Password	Email: Password: *****	Must Show Error Message	As Expected	Passed
5.	TC-1.5	Enter Data in Email with Password as empty	Email: admin@gmail.com Password:	Must Show Error Message	As Expected	Passed
6.	TC-1.6	Enter Data in Email and Password as invalid	Email: shekhar@gmail.com Password: ***	Must Show Error Message	As Expected	Passed
7.	TC-1.7	Updating User Credentials	First Name: Shekhar Ghimire Email: shekhar1@gmail.com Phone Number: 9850103103 Password: ***** Confirm Password: *****	User's Credentials Successfully Updated	As Expected	Passed
8.	TC-1.8	Deleting User Credentials	First Name: Shekhar Ghimire Email: shekhar1@gmail.com	User's Credentials Successfully Deleted	As Expected	Passed

			Phone Number: 9850103103 Password: *****			
9.	TC-1.9	Creating Admin Account	First Name: Shekhar Ghimire Email: shekhar1@gmail.com Phone Number: 9850103103 Password: ***** Confirm Password: ***** Select: Admin	Must Create Admin Account	As Expected	Passed
10.	TC -1.10	Creating Admin Account with any one details empty in database	First Name: Shekhar Ghimire Email: shekhar1@gmail.com Phone Number: (Empty) Password: ***** Confirm Password: *****	Must Show Error Message (Enter your Phone number)	As Expected	Passed

Table 4.3:Test Case for User

S.No	Test Case ID	Test Description	Input Test Data	Expected Result	Actual Result	Test Result
1.	TC-2.1	Open Browser and enter URL	http://localhost/petadoptionsystem/login.php	Must Display Login Page having input field of email and password	As Expected	Passed

				with Creating Account Field		
2.	TC-2.2	Creating Account for user Login with all credentials	Name:Shekhar Ghimire Email:shekhar1@gmail.com Phone Number: 9841289290 Password:***** Confirm Password: ***** Select:User	Must Create User Account Successfully	As Expected	Passed
3.	TC-2.3	Creating Account for Customer Login with all credentials Empty	Name: Email: Phone Number: Password:***** Confirm Password: ***** Select:User/Admin	Must show Validation module to fill the form	As Expected	Passed
4.	TC-2.4	Enter Valid User Credentials/ User Email and Password	Email:shekhar1@gmail.com Password: *****	Must redirect access to user panel	As Expected	Passed
5.	TC-2.5	Enter Data in Email and Password as Empty of User	Email:shekhar1@gmail.com Password:	Must show error message	As Expected	Passed
6.	TC-2.6	Enter Data in Email as empty with Password of	Email: Password: *****	Must show error message	As Expected	Passed

		User				
7.	TC- 2.7	Enter Data in Email with wrong password	Email: shekhar@gmail.com Password:*	Must show error message	As Expected	Passed
8.	TC- 2.8	Enter Data in Email and Password as invalid	Email: shekhar@gmail.com Password:*****	Must show error message	As Expected	Passed
9.	TC- 2.9	Updating User Credential in User Panel	Name: Shekhar Ghimire Email: shekhar1@gmail.com Phone Number: 9850103103 Password:***** Confirm Password: *****	Must Update User Credentials	As Expected	Passed
10.	TC- 2.10	Updating User Credential in User Panel One field empty	Name: Shekhar Ghimire Email: shekhar1@gmail.com Phone Number: 9850103103 Password: ***** Confirm Password:	Must Update User Credentials	As Expected	Passed

4.2.3 Test cases for System Testing

The test performed by the system for compatibility with the platform is known as system testing. Some of the Test Cases for System Testing while making Pet Management System are mentioned below in the table.

Table 4.4:Black box system testing as per test case

S.No.	Description	Requirements	Result	Test Result
1.	Admin Rights	-View/Edit/Delete users' details	Admin can view,update and delete user details	Passed
		-Add/View/Update /Delete Pet Details	Admin can view,update and delete Pet Details	Passed
		-View/Delete Pet Adoptions	Admin can view and delete Pet Adoptions	Passed
		-View/Delete User Messages	Admin can view and delete User	
2.	User Rights	Creating User	User can Register with validation	Passed
		View Pet Details	User can view Pet Details	Passed
		Adopting a Pet	User can Adopt pet by clicking “Take me home” button	Passed
		Send Messages	User can send messages relating Pet adoption to admin	Passed
		Search	User can search/filter animal details based upon the breed, age,size,gender, and address.	Passed
		Binary Search	User can observe the use of Binary search algorithm Implementation for age	Passed
3.	Duplication	Duplicate Admin Credentials	Admin's login with email and password is	Passed

			different	
		Duplicate User Credentials	User's login with name and password can be same But email and phone number can be different	Passed
4.	Password	Change Password	User and Admin can change password	Passed
		Confirm Password	User and Admin can confirm Password through validation	Passed

Chapter 5: Conclusion and Future Recommendations

5.1 Conclusion

In conclusion, the Pet Adoption System represents a remarkable synergy of technology and compassion, aiming to revolutionize the pet adoption experience. As the world witnesses a growing trend in pet adoption, this web-based platform serves as a beacon of innovation and efficiency.

By harnessing the capabilities of HTML, CSS, JavaScript, and Core PHP, the system presents a seamless and user-friendly interface that bridges the gap between animal shelters and potential pet owners. It recognizes the challenges that shelters face in managing vast volumes of pet data while aspiring to match each pet with the perfect forever home.

One of the system's standout features is the application of advanced algorithms, notably the Binary Search Tree and the age-based recommendation system. These algorithms optimize the pet adoption process by swiftly organizing and retrieving pet information based on crucial attributes, such as breed, size, and temperament. Furthermore, the age-based categorization of pets into Junior, Adult, or Senior enhances the matchmaking process, ensuring that pets align with the lifestyles and preferences of their future owners.

Beyond the technical excellence, the Pet Adoption System embodies a commitment to responsible pet ownership. It encourages individuals and families to adopt pets from shelters, promoting the welfare of animals in need. This platform seeks to create harmonious and fulfilling relationships between pets and their adopters, enriching lives on both ends of the spectrum.

Moreover, the Pet Adoption System stands as a testament to the power of technology in the service of compassion. It empowers shelters to streamline their operations, offers prospective pet owners a user-friendly adoption journey, and, above all, serves as a catalyst for responsible pet ownership. As this system continues to flourish, it contributes to a world where pets find loving homes, and the bond between humans and animals is strengthened for years to come.

5.2 Lesson learnt/Outcome

With the completion of Pet Adoption System, many lessons were learned such as;

- Concept of software development life cycle.
- Making a system by integrating codes.

- Managing Database
- Difference between unit testing and system testing
- Implementation of Algorithm in the system

Moreover, the outcome from lesson learnt helped us create this project “Pet Adoption System” with the main aim for users create account and to adopt the pet online, and allow admin to handle adoption and user credentials.

5.3 Future Recommendations

Some of the future recommendation and enhancement for pet adoption system are:

- **Pet Health Records:** Integrate a feature for maintaining pet health records.
- **Pet Care Resources:** Provide articles and guides on pet care.
- **Community Forum:** Create a discussion platform for pet owners.
- **Pet Matching Quiz:** Develop an interactive quiz for personalized pet matches.
- **Virtual Pet Meet and Greet:** Enable virtual interactions with pets.
- **Adoption Events Calendar:** Display upcoming adoption events.
- **Foster Care Program:** Offer temporary fostering options.
- **Lost and Found Pets:** Include a lost and found section.
- **Pet Tracking:** Introduce GPS-based pet tracking.
- **Multilingual Support:** Expand language options.
- **Pet Behavior Assessment:** Develop a behavior assessment tool.
- **Mobile App:** Create a mobile application.
- **Social Media Integration:** Allow sharing on social media.
- **Feedback and Ratings:** Implement a feedback system.
- **Enhanced Search Filters:** Provide advanced search options.

References

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- [4] T. Bzdick, Digital dog shelter application, 2010.
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Appendices

USER:

The screenshots illustrate the user registration process on a web application. The first screenshot shows the initial registration form with all fields populated. The second screenshot shows the result of the registration attempt, indicating success.

Screenshot 1: Registration Form (Initial State)

Registration Form Fields (Initial State):

- Name: shekhar
- Email: shekhar@gmail.com
- Phone Number: 9841112758
- Password: *****
- Confirm Password: *****
- User Role: User

Screenshot 2: Registration Form (Success State)

Registration Form Fields (Success State):

- Name: Enter your Name...
- Email: Enter your E-Mail...
- Phone Number: Enter a 10 digit Phone Number...
- Password: Enter your Password...
- Confirm Password: Confirm your Password...
- User Role: User

Message: Registered successfully!

localhost

localhost / localhost / PetAdoptionSystem / users | phpMyAdmin 5.2.1

LOGIN NOW!

Login Now!

You don't have an Account ? [Register Now!](#)

Welcome shekhar@gmail.com

New?/Admin? [Login](#) | [Register](#)

[Adopt a Pet](#) [Home](#) [About](#) [Contact](#) [Recommended](#) [Search](#) [Binary Search](#)

[Discover More](#)

BEST PETS.

Best Pets that you're gonna find.

ABOUT US!

Home / About

WHY CHOOSE US?

Our carefully selected range of unique Dogs & Cats and their accessories has been sourced from different part of the world.

Contact Us!



localhost

untitled folder ▾ Apple iCloud Yahoo Bing Google Wikipedia Facebook Twitter LinkedIn The Weather Channel Yelp TripAdvisor Gmail YouTube Maps

contact

localhost / localhost / PetAdoptionSystem / users | phpMyAdmin 5.2.1

Adopt a Pet Home About Contact Recommended Search Binary Search  (0)

CONTACT US!

Home / Contact

GET IN TOUCH!

Enter your Name...

Enter your E-Mail...

Enter your Number...

Enter your Message...

localhost

untitled folder ▾ Apple iCloud Yahoo Bing Google Wikipedia Facebook Twitter LinkedIn The Weather Channel Yelp TripAdvisor Gmail YouTube Maps

Best Pets

localhost / localhost / PetAdoptionSystem / users | phpMyAdmin 5.2.1

Welcome shekhar@gmail.com New?/Admin? Login | Register

Adopt a Pet Home About Contact Recommended Search Binary Search  (0)

JUNIOR ANIMALS



Name: Hamilton
Age: 2
Gender: male
Size: small
Breed: Dwarf Roborovski
Vaccinated: yes
Address: Bhaktapur
Description: The smallest of the popular hamster breeds, the Roborovski dwarf hamster (*Phodopus roborowski*) matures to

Take Me Home!

ADULT ANIMALS



Name: Charlie
Age: 5
Gender: male
Size: big
Breed: Labrador Retriever
Vaccinated: yes
Address: kathmandu



Name: Archie
Age: 3
Gender: female
Size: small
Breed: Pug
Vaccinated: yes
Address: kathmandu



Name: Nala
Age: 4
Gender: female
Size: small
Breed: Scottish Fold Cats
Vaccinated: no
Address: kathmandu

localhost | PetAdoptionSystem / users | phpMyAdmin 5.2.1

Adopt a Pet

- Home
- About
- Contact
- Recommended**
- Search
- Binary Search

Profile (0)

Name: Thumper
Age: 6
Gender: female
Size: medium
Breed: Harlequin Rabbits
Vaccinated: yes
Address: Ramechhap

Description: Hailing from France, Harlequin rabbits take their name from their distinct markings. These bunnies love human interaction, making them great companions. Harlequin rabbits are the cleverest of all breeds. They live to entertain, so you'll forge an effortless bond in no time at all.

[Take Me Home!](#)

Name: Buster
Age: 3
Gender: male
Size: small
Breed: Mini Lop Rabbits
Vaccinated: no
Address: Janakpur

Description: Arguably more than any other breed, the Mini Lop was born to be a star. They look like teddy bears and love to be showered with affection. They return this adoration without question. This breed is also intelligent. This works in your favour, as it means they can be litter trained. They require constant exercise and play, though. Fill their hutch with toys, and arrange exercises for your rabbit.

[Take Me Home!](#)

Name: Patches
Age: 4
Gender: female
Size: small
Breed: Chinese Hamster
Vaccinated: yes
Address: Bhaktapur

Description: The Chinese hamster (*Cricetus griseus*) can get quite fat indeed. They can grow up to three years. This species is known for being friendly and comfortable with handling if they are consistently handled from a young age.

[Take Me Home!](#)

localhost | PetAdoptionSystem / users | phpMyAdmin 5.2.1

Welcome shekhar@gmail.com

New?/Admin? [Login](#) | [Register](#)

Adopt a Pet

- Home
- About
- Contact
- Recommended
- Search**
- Binary Search

Profile (0)

SEARCH

Animal Breed: Dwarf Roborovski | Gender: Male | Size: Small | Vaccinated: Yes | 2 | Filter

Name: Hamilton
Age: 2
Gender: male
Size: small
Breed: Dwarf Roborovski
Vaccinated: yes
Address: Bhaktapur

Description: The smallest of the popular hamster breeds, the Roborovski hamster (*Phodopus roborowski*) matures to just 2 inches long. On average, these hamsters live about three years. Because of their size, it is best to use an aquarium with a mesh lid to house these hamsters.

[Take Me Home!](#)

Name: Charlie
Age: 5
Gender: male
Size: big
Breed: Labrador Retriever
Vaccinated: yes
Address: Kathmandu

Description: The Labrador Retriever is the most popular dog in the United States for a reason. The breed is friendly, intelligent, and trainable. The breed is extremely versatile, doing everything including hunting, showing, dock diving, tracking, and obedience.

[Take Me Home!](#)

Welcome shekhar@gmail.com New?/Admin? [Login](#) | [Register](#)

[Adopt a Pet](#) Home About Contact Recommended Search [Binary Search](#) [Profile](#) (0)

AGE OF ANIMAL AVAILABLE(DATABASE)

age={2, 3, 4, 5, 6, 8, 9, 10}

```

Age 1 not found in the sorted list.
Age 2 found at index 0 in the sorted list. Found Age: 2
Age 3 found at index 1 in the sorted list. Found Age: 3
Age 4 found at index 2 in the sorted list. Found Age: 4
Age 5 found at index 3 in the sorted list. Found Age: 5
Age 6 found at index 4 in the sorted list. Found Age: 6
Age 7 not found in the sorted list.
Age 8 found at index 5 in the sorted list. Found Age: 8
Age 9 found at index 6 in the sorted list. Found Age: 9
Age 10 found at index 7 in the sorted list. Found Age: 10

```

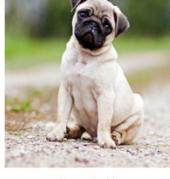
[Adopt a Pet](#) Home About Contact Recommended Search [Binary Search](#) [Profile](#) (0)



Name: Charlie
Age: 5
Gender: male
Size: big
Breed: Labrador Retriever
Vaccinated: yes
Address: kathmandu

Description: The Labrador Retriever is the most popular dog in the United States for a reason. The breed is friendly, patient, and trainable. The breed is extremely versatile, doing everything including hunting, showing, dock diving, tracking, and obedience.

[Take Me Home!](#)



Name: Archie
Age: 3
Gender: female
Size: small
Breed: Pug
Vaccinated: yes
Address: kathmandu

Description: The Pug is well described by the phrase "pug in a purse" which means "a lot of dogs in a small space." He is small but requires no coddling and his roguish face soon wiggles its way into the hearts of men, women and especially children, for whom this dog seems to have been created. The greatest reason for living is to be near his people and to please them. He is comfortable in a small apartment or country home alike, easily adaptable to all situations.

[Take Me Home!](#)



Name: Ollie
Age: 9
Gender: male
Size: big
Breed: Newfoundland
Vaccinated: no
Address: bhaktapur

Description: Above all things, the Newfoundland must have intelligence, loyalty, and gentleness which are his best-known traits. He must be able and willing to help his master perform his necessary tasks at command, and also have the intelligence to act on his own responsibility and execute work demanded of it. Because of these traits, Newfoundlands make excellent family dogs.

[Take Me Home!](#)

[Adopt a Pet](#) Home About Contact Recommended Search [Binary Search](#) [Profile](#) (1)



Name: Charlie
Age: 5
Gender: male
Size: big
Breed: Labrador Retriever
Vaccinated: yes
Address: kathmandu

Description: The Labrador Retriever is the most popular dog in the United States for a reason. The breed is friendly, patient, and trainable. The breed is extremely versatile, doing everything including hunting, showing, dock diving, tracking, and obedience.

[Delete](#)

ADMIN:

localhost / localhost / PetAdoptionSystem / message | phpMyAdmin 5.2.1

Registered successfully!

REGISTER NOW!

Enter your Name...
Enter your E-Mail...
Enter a 10 digit Phone Number...
Enter your Password...
Confirm your Password...
User
Register Now!
Already have an Account ? [Login Now!](#)

localhost / localhost / PetAdoptionSystem / users | phpMyAdmin 5.2.1

REGISTER NOW!

shekhar ghimire
shekhar.ghimire1010@gmail.com
9841112758

Admin
Register Now!
Already have an Account ? [Login Now!](#)

localhost / localhost / PetAdoptionSystem / users | phpMyAdmin 5.2.1

LOGIN NOW!

shekhar.ghimire1010@gmail.com

Login Now!
You don't have an Account ? [Register Now!](#)

localhost / localhost / PetAdoptionSystem / users | phpMyAdmin 5.2.1

untitled folder Apple iCloud Yahoo Bing Google Wikipedia Facebook Twitter LinkedIn The Weather Channel Yelp TripAdvisor Gmail YouTube Maps

Admin Panel Welcome shekhar.ghimire1010@gmail.com Home Animal Users Adoptions Messages

DASHBOARD

1 Total Adoptions	12 Total Animals	2 Normal Users	4 Admin Users
6 Total Users			

localhost / localhost / PetAdoptionSystem / users | phpMyAdmin 5.2.1

untitled folder Apple iCloud Yahoo Bing Google Wikipedia Facebook Twitter LinkedIn The Weather Channel Yelp TripAdvisor Gmail YouTube Maps

Admin Panel Welcome shekhar.ghimire1010@gmail.com Home Animal Users Adoptions Messages

ADD SOME PETS

ADD A PET

Enter animal name...
Enter animal breed...
Gender <input type="text" value="Male"/>
Size <input type="text" value="Small"/>
Vaccinated <input type="text" value="Yes"/>
Enter animal age...
Choose File no file selected

localhost / localhost / PetAdoptionSystem / users | phpMyAdmin 5.2.1

untitled folder Apple iCloud Yahoo Bing Google Wikipedia Facebook Twitter LinkedIn The Weather Channel Yelp TripAdvisor Gmail YouTube Maps

Admin Panel Welcome shekhar.ghimire1010@gmail.com Home Animal Users Adoptions Messages

Choose File no file selected
Enter animal description...
Enter animal address...
Add An Animal



 <p>Name: Charlie Age: 5 Gender: male Size: big Breed: Labrador Retriever Vaccinated: yes Address: kathmandu</p> <p>Description: The Labrador Retriever is the most popular dog in the United States for a reason. The breed is friendly, playful, and trainable. The breed is extremely versatile, doing everything including hunting, showing, dock diving, tracking, and obedience.</p> <p>Update Info</p> <p>Delete</p>	 <p>Name: Archi Age: 3 Gender: female Size: small Breed: Pug Vaccinated: yes Address: kathmandu</p> <p>Description: The Pug is well described by the phrase "mutum in parvo" which means "a little dogs in a small space". He is small but requires no cuddling and his wrinkly face soon wiggles its way into the hearts of men, women and especially children, for whom this dog seems to have a special affinity. His great reason for living is to be near his people and to please them. He is comfortable in a small apartment or country home alike, easily adaptable to all situations.</p> <p>Update Info</p> <p>Delete</p>	 <p>Name: Ollie Age: 9 Gender: male Size: big Breed: Newfoundland Vaccinated: no Address: bhaktapur</p> <p>Description: Above all things, the Newfoundland must have intelligence, loyalty, and sweetness which are his trademarks. He must be able and willing to help his master perform his necessary tasks at command, and also have the intelligence to act on his own responsibility when rescue work demands it. Because of these traits, Newfoundlands make excellent family dogs.</p> <p>Update Info</p> <p>Delete</p>
---	--	--

 <p>Name: Nala Age: 4 Gender: female Size: small Breed: Scottish Fold Cats Vaccinated: no</p> <p>Update Info</p> <p>Delete</p>	 <p>Name: Leo Age: 8 Gender: male Size: small Breed: Persian Cats Vaccinated: yes</p> <p>Update Info</p> <p>Delete</p>	 <p>Name: Luna Age: 9 Gender: female Size: medium Breed: Ragdoll Cats Vaccinated: yes</p> <p>Update Info</p> <p>Delete</p>
---	---	--

Admin Panel | Welcome shekhar.ghimire1010@gmail.com | Home | Animal | **Users** | Adoptions | Messages | 

USER ACCOUNTS

Username: user E-Mail: user@mail.com Phone Number: 0 User Type: user <p style="text-align: center;">Delete User</p>	Username: admin E-Mail: admin@mail.com Phone Number: 0 User Type: admin <p style="text-align: center;">Delete User</p>	Username: SHEKHAR E-Mail: shekhar.ghimire25@gmail.com Phone Number: 984112758 User Type: admin <p style="text-align: center;">Delete User</p>
--	---	---

ADOPTIONS

User Name: **shekhar**
User Email: **shekhar@gmail.com**
User Phone Number:
Adopted Animal Name: **Charlie**
Adopted Animal Age: **5**
Adopted Animal Gender: **male**
Adopted Animal Breed: **Labrador Retriever**
Adopted Animal Size: **big**
Adopted Animal Vaccine: **yes**
Adopted Animal Address:
kathmandu

Delete Adoption

ADMIN MESSAGES

Name: **shekhar**
Phone Number: **9860832716**
E-Mail: **shekhar@gmail.com**
Message: do provide me feedback for the adoption of pet name Charlie

Delete Message

DATABASE:

Structure **SQL** **Search** **Query** **Export** **Import** **Operations** **Privileges** **Routines** **Events** **Triggers** **Tracking**

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
adopted	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
animals	Browse Structure Search Insert Empty Drop	12	InnoDB	utf8mb4_general_ci	16.0 KiB	-
message	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
users	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	16.0 KiB	-

4 tables Sum 21 InnoDB utf8mb4_general_ci 64.0 KiB 0 B

Create new table

Table name: Number of columns: 4

Server: localhost > Database: PetAdoptionSystem > Table: adopted

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

SELECT * FROM `adopted`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

Extra options

	id	user_id	name	age	gender	breed	size	vaccine	image	address	description	adoption_application_date
<input type="checkbox"/>	30	23	Charlie	5	male	Labrador Retriever	big	yes	noemi-macavei-katocz-c7bUIRBqapA-unplash.jpg	kathmandu	The Labrador Retriever is the most popular dog in ...	2023-10-02

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

Server: localhost > Database: PetAdoptionSystem > Table: animals

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 11 (12 total, Query took 0.0005 seconds.)

SELECT * FROM `animals`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

	id	user_id	name	age	gender	breed	size	vaccine	image	address	description
<input type="checkbox"/>	18	0	Charlie	5	male	Labrador Retriever	big	yes	noemi-macavei-katocz-c7bUIRBqapA-unplash.jpg	kathmandu	The Labrador Retriever is the most popular dog in ...
<input type="checkbox"/>	19	0	Archie	3	female	Pug	small	yes	pug-puppy-14-sz6.jpg	kathmandu	The Pug is well described by the phrase 'mulum in... Above all things, the Newfoundland must have intel...
<input type="checkbox"/>	20	0	Ollie	8	male	Newfoundland	big	no	Newfoundland_dog_Smoky.jpg	bhaktapur	Above all things, the Newfoundland must have intel... Scottish fold cats are known to possess an easy-go...
<input type="checkbox"/>	21	0	Nala	4	female	Scottish Fold Cats	small	no	image.jpg	kathmandu	Scottish fold cats are known to possess an easy-go...
<input type="checkbox"/>	22	0	Leo	8	male	Persian Cats	small	yes	persian_cat_1_.jpg	lalitpur	Persian cats are not only the most popular breed o...
<input type="checkbox"/>	23	0	Luna	9	female	Ragdoll Cats	medium	yes	image (1).jpg	bhaktapur	Ragdolls are extremely mild-mannered and friendly...
<input type="checkbox"/>	24	0	Apollo	10	male	Bearded Dragon	small	no	shutterstock_156527144.jpg	lalitpur	This Australian native is a light tan with a spiky...
<input type="checkbox"/>	25	0	Hecate	9	female	Green Iguana	small	yes	green-iguana-shutterstock_637249666.jpg	bhaktapur	Green iguanas make great pets with the proper liv...
<input type="checkbox"/>	26	0	Thumper	6	male	Harlequin Rabbits	medium	yes	harlequin-rabbit_634_0_orig.jpg	Ramechhap	Hailing from France, Harlequin rabbits take their ...
<input type="checkbox"/>	27	0	Buster	3	male	Mini Lop	small	no	mini-lop-	Janakpur	Arguably more than any other breed, the Mini Lop

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

Server: localhost > Database: PetAdoptionSystem > Table: message

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

SELECT * FROM `message`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

Extra options

	id	user_id	name	email	number	message
<input type="checkbox"/>	4	17	shekhar	shekhar@gmail.com	9860832716	do provide me feedback for the adoption of pet nam...

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

Server: localhost - Database: PetAdoptionSystem - Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 6 (7 total). Query took 0.0008 seconds.

SELECT * FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	7	user	user@mail.com	0	96cae35ce8a9b0244178bf28e4966c2ce1b8385723a96a6b83...	user
	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	9	admin	admin@mail.com	0	96cae35ce8a9b0244178bf28e4966c2ce1b8385723a96a6b83...	admin
	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	21	SHEKHAR	shekhar.ghimire25@gmail.com	9841112758	4e2dd7e1bb93e4a7b8e21957d881ed9	admin
	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	22	shekhar ghimire	shekhar.ghimire1010@gmail.com	9841112858	4e2dd7e1bb93e4a7b8e21957d881ed9	admin
	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	23	shekhar	shekhar@gmail.com	9841112758	4e2dd7e1bb93e4a7b8e21957d881ed9	user
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

Server: localhost - Database: PetAdoptionSystem - Table: message

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 0 (1 total). Query took 0.0004 seconds.

SELECT * FROM `message`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

Extra options

	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	4	17	shekhar	shekhar@gmail.com	9860632716	do provide me feedback for the adoption of pet nam...
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query