



Project Report
on
Project Phase 0: Requirements Elicitation and Management

BY

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Introduction

The Project are about the Dog Adoption Website, an online that are designed to facilitate the seamless adoption of dogs in Thailand. This website aims to create a comprehensive and accessible digital platform where dog lovers can connect with and make an adoption.

Customer

The primary customer for this project is a non-profit organization focused on animal welfare, specifically dog care and adoption. The organization's mission is to provide a safe and loving environment for dogs while ensuring that the adoption process is thorough and secure. To achieve this, the system must cater to the needs of various stakeholders, including potential adopters, staffs, administrators and sponsors.

Business Overview

The Dog Adoption Website aim to make a process of adoption efficient and is designed to be user-friendly and accessible, which helps to increase the number of successful dog adoptions by reaching a wider audience even for elderly users. The design incorporates a clean, white and blue theme to promote clarity and a calming atmosphere, ideal for prospective pet owners.

The general user of this website is Thai citizen that lived in Thailand and have an interest in adopting a dog. User can start to make an adoption by browse through a catalog of dogs, view a detailed of them, and make an informed decision about an adoption.

The website includes several key functionalities designed to enhance the user experience and streamline the adoption process:

- **Dog Profile Management:** Organization staff can create and manage detailed profiles for each dog, including their breed, health status, color, and medical history. This feature ensures that potential adopters have all the information they need to make an informed decision.
- **Adoption Transactions:** Users must undergo a verification process, including checks on criminal records, citizenship status, and compliance with adoption blacklists. Once verified, users can view available dogs, mark their favorites, and submit adoption requests.
- **Approval Process:** The organization staff review adoption requests, select the most suitable adopters based on their profiles and backgrounds, and approve or deny requests accordingly. The system does not operate on a first-come, first-served basis but rather prioritizes suitability.
- **Post-Adoption Follow-Up:** After a dog is adopted, staff will conduct follow-ups for one year, including monthly check-ins, collecting evidence of the dog's well-being, and recording data on the adoption process. This ensures ongoing support and a smooth transition for the adopted dog.

- **Admin Dashboard:** Admin staff can access comprehensive reports on dog availability, adoption rates, and user activity, aiding in effective decision-making and operational management.
- **Sponsor Integration:** Approved sponsors can log in to upload promotional banners and logos, which will be displayed on the website to enhance their visibility and support the platform's mission.

Scalability and Security

The website is designed with scalability in mind, ensuring that it can handle an increasing number of transactions and user interactions while maintaining high levels of security. The system is built to manage and protect sensitive information, including adopter profiles and transaction data, safeguarding both users and the organization.

In conclusion, the Dog Adoption Website project represents a significant advancement in the way dog adoptions are managed and conducted. By integrating user-friendly design, robust functionality, and a commitment to accessibility, the platform aims to make a positive impact on pet adoption in Thailand.

Functional Requirements

- R1: The system shall allow users to register and create an account.
- R2: The system shall allow users to filter dogs based on breed, age, health status, and other characteristics.
- R3: The system shall allow users to choose the dogs in their favorite lists.
- R4: The system shall enable employees to approve or deny adoption requests.
- R5: The system shall allow administrators to generate reports on the number of dogs available for adoption.
- R6: The system shall allow administrators to generate reports on the number of successful adoptions.
- R7: The system shall allow sponsors to register and specify the amount of their donation.
- R8: The system shall implement access controls to ensure each user type has appropriate permissions.
- R9: The system shall provide monthly reports on follow-ups with adopters. (Pictures of living conditions for the adopted dogs.)
- R10: The system shall enable sponsors to upload and manage their banner once approved by admins.
- R11: The system should allow staff to edit or add profiles.
- R12: The system must delete the database of the adopted dog after approval from staff.
- R13: The system must integrate with a delivery company to schedule home deliveries of adopted dogs.
- R14: The system must provide delivery tracking and status updates to adopters.
- R15: The system displays available dogs for adoption with details like breed, age, size, and health conditions.
- R16: Users should be able to submit an adoption application or inquiry for a specific dog.
- R17: The system shall allow staff to provide contact forms or direct contact information for adoption centers or shelters.
- R18: The system must provide an adoption timeline, where the status of each dog.
- R19: If multiple users express their interest in the same dog, the system must implement a queue and allow organization employees to approve the most suitable adopter based on set criteria.

R20: The system shall require Thai citizens to provide identification details, including national ID.

R21: The system shall verify identification details via an external service for criminal background checks.

R22: The system must include functionality for adopters to schedule in-person visits to meet dogs or for home delivery of adopted dogs, with date and time coordination handled through the system.

R23: The system should notify users and employees via email regarding status updates, new dog arrivals, sponsorship opportunities, and scheduled welfare checks.

R24: The system shall allow users to view and edit their profile information, including personal details, preferences, and contact information.

R25: The system shall allow staff to create new dog profiles with relevant details, such as breed, age, size, health status, and temperament.

R26: The system shall allow staff to edit existing dog profiles to update information, such as health status, availability for adoption, or other characteristics.

R27: The system shall allow staff to update the adoption status of a dog.

Non-functional Requirements

- R28: The system shall handle up to 1,000 transactions per day without performance degradation.
- R29: The system shall allow the sponsor to upload their banner in only 1 size.
- R30: The system shall maintain a secure database of user information and adoption records.
- R31: The system shall support uploading and displaying high-resolution images of dogs.
- R32: The system should be easy-to-use with a user-friendly interface suitable for all age groups.
- R33: The system should always be active, but it is not required to support a large volume of users.
- R34: The system shall have a blue-white color theme to align with the organization's branding.
- R35: The system shall use Thai date formats, time zones, and other localization standards.
- R36: The system shall be designed to be clean and organized, creating a welcoming atmosphere that encourages adoption.
- R37: The system shall be accessible to visually impaired users.

Actors

- 1. General Users:** Users who browse the website to view available dogs and apply for adoption.
- 2. Organization Staffs:** Staff members responsible for registering dogs, managing dog care and history, and processing adoption applications.
- 3. Administrators:** System managers who oversee the website's functionality, manage data integrity, and generate reports.
- 4. Sponsors:** Individuals or companies who provide financial support and whose logos are displayed on the website.