

► Introduction

The **Pet Care Website** belongs to the domain of **social platforms with e-commerce-like features** (since listings and forms are similar to product/adoption systems). Its core requirement is to display pets available for adoption and allow users to express interest via an inquiry form.

The project primarily addresses two issues:

1. Lack of **easy-to-use, adoption-focused platforms** at a local/community level.
2. Need for a **foundation project** that can later be expanded with backend/database features.

The technologies currently used include **HTML5 for structure and CSS3 for styling and animations**. In the future, advanced tools like Node.js, Express.js, Django, or Flask can be added for backend, and MySQL/MongoDB for data management.

Objectives

- To design and develop a **responsive web platform** for pet adoption.
- To create a **homepage** with an attractive banner, navigation bar, animated images, and motivational quotes.
- To implement a **pet listing section** with equal-sized cards for uniform display.
- To design an **adoption inquiry form** that allows users to express interest.
- To provide a **scalable base system** for future backend and database integration.

Future Scope

- **Backend Integration:** Node.js/Django/Flask for adoption form data processing.
- **Database Support:** MySQL or MongoDB for storing adoption records.
- **Authentication System:** User signup/login for adopters and admins.
- **Pet Health Records:** Vaccination and medical history for each pet.
- **Donation Portal:** Integration of payment gateway for NGOs and shelters.
- **Mobile App:** Conversion into a cross-platform app for wider adoption.

Findings

- **User needs:** Simplicity, clean UI, and quick access to pet details.

- **Design Importance:** Equal-sized cards, animations, and motivational quotes improve engagement.
- **Accessibility:** Larger navigation text and responsive layouts increase usability.
- **Scalability:** The current system can easily be expanded with backend features.