

► **Analysis Phase**

Requirement Analysis

Functional Requirements

1. Homepage with navigation bar and banner.
2. Pet listing page with equal-sized cards and images.
3. Adoption inquiry form with fields (Name, Email, Pet Choice, Message).
4. Motivational quotes and visuals on homepage.

Non-Functional Requirements

1. Responsive design (desktop & mobile).
2. Attractive UI using animations and CSS effects.
3. User-friendly navigation.
4. Scope for future upgrades without redesign.

Data Flow Diagram (DFD) / Use Case Diagram

Use Case Actors:

- User (Adopter)
- System (Website)

Use Cases:

- View pet listings
- Submit adoption inquiry form
- Receive acknowledgment (future feature)

System Flow

1. User enters website.
2. User navigates through homepage → pets → adoption form.
3. User submits form (frontend only in current version).
4. (Future) Data stored in database → Admin processes request → User notified.