Part 2: Requirements

Functional Requirements

- The web application must display a list of adoptable dogs and/or cats with pictures and basic information.
- Users must fill out an online adoption questionnaire before they can select a pet.
- The questionnaire responses must be reviewed and approved by PAO management before the user can proceed.
- The system must display contact information for the adoption center.
- The system must allow approved adopters to select a desired pet.
- If multiple users request the same pet, PAO management must be able to review and select who may adopt the pet.
- The application must have a login screen to protect access to the system.
- The system must include an FAQ section and step-by-step adoption guides.
- A user registration screen is optional but may be implemented.
- All user input must be validated before being processed to prevent security vulnerabilities.
- The system must display each pet's health status and adoption fees on their profile.
- The system must provide resources and articles on pet care that users can access after adoption.
- The system must allow users to save pet profiles to view later.
- The system must send event reminders via email or mobile notifications to registered users.
- The system must allow users to filter pets by characteristics like size, breed, or temperament.
- The system must allow users to save pet profiles to view later.
- The system must allow users to fill out and submit adoption paperwork digitally on both desktop and mobile devices.
- The system must enable users to browse detailed pet profiles with personality traits and care needs.
- The system must have a user dashboard where adopters can track their adoption progress.

Non-Functional Requirements

- The system should be secure, preventing unauthorized access to adoption processes.
- The web app should be responsive and user-friendly, ensuring smooth navigation on both desktop and mobile devices.
- The application should be scalable, allowing PAO to add more pets and process multiple adoption requests efficiently.
- The system must be mobile-responsive, ensuring a smooth experience on smartphones and tablets.

- The system must store user preferences securely and prevent unauthorized access to personal data.
- The website must be accessible, following WCAG guidelines to support users with disabilities.