

Features

User Registration and Login

- a. **Input:** User provides email, password, and optional personal details.
- b. **Activation:** User submits registration form or logs in.
- c. **Action:** System verifies credentials and grants access.
- d. **Output:** User gains access to the pet browsing and application system.

Pet Browsing with Filters

- e. **Input:** User selects filters (e.g., species, size, age).
- f. **Activation:** User applies filters and views pet listings.
- g. **Action:** System retrieves and displays matching pets.
- h. **Output:** User sees a list of available pets based on filters.

Adoption Application Submission

- i. **Input:** User fills out an adoption questionnaire.
- j. **Activation:** User submits the application.
- k. **Action:** System stores the application and notifies staff.
- l. **Output:** User receives confirmation that the application is under review.

Staff Dashboard for Managing Applications

- m. **Input:** Staff logs in and selects a pending application.
- n. **Activation:** Staff reviews application details.
- o. **Action:** Staff approves or rejects the application.
- p. **Output:** System updates applicant status and notifies the user.

Adopted Pet Management

- q. **Input:** Staff marks a pet as adopted.
- r. **Activation:** Staff clicks the "Mark as Adopted" button.
- s. **Action:** System updates the pet's status.
- t. **Output:** Pet is removed from the available pets list.

Secure Input Validation

- u. **Input:** User enters data (e.g., login, application details).
- v. **Activation:** User submits data.
- w. **Action:** System validates input for security risks.
- x. **Output:** Data is accepted or rejected with an error message.

