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.