Detailed Test Cases for Pet Adoption Software

Test Case 1: User Login Functionality

- Objective: Verify that users can log in with correct credentials and handle incorrect login attempts.

- Steps:

1. Launch the application and navigate to the login page.

2. Enter valid username and password, click on the login button.

3. Repeat the test with invalid credentials.

- Expected Results:

- With valid credentials, the user should be redirected to the pet listings page with a success message.

- With invalid credentials, the user should see an error message and remain on the login page.

- Test Data: Use both registered and unregistered usernames and passwords.

Test Case 2: Pet Listings Accessibility

- Objective: Ensure that users can view and interact with pet listings.

- Steps:

1. Successfully log in to the application.

2. Navigate to the pet listings page.

3. Click on a pet to view detailed information.

- Expected Results:

- Pet listings should be clearly displayed with all relevant information.

- Detailed pet information is accessible upon selection.

Test Case 3: Adoption Application Submission

- Objective: Test the adoption application process for efficiency and correctness.

- Steps:

1. From a pet's detailed information page, click on the "Adopt" button.

2. Fill out the adoption application form with all required details.

3. Submit the form.

- Expected Results:

- If all required fields are filled, the form should submit successfully with a confirmation message.

- If an attempt is made to resubmit the form, it should fail.

Test Case 4: Administrator Pet Management

- Objective: Validate that administrators can effectively manage pet listings.

- Steps:

1. Log in as an administrator.

2. Navigate to the admin dashboard and select "Add Pet".

3. Enter pet details and save the new listing.

4. Attempt to add the same pet again.

- Expected Results:

- New pet should be added successfully with a success message.

- Attempting to add a duplicate pet should fail with an error message.  
  
Test Case 7: Administrator Adoption Application Review

Objective:

To verify that administrators can effectively review and process adoption applications submitted by users, making appropriate decisions based on the content of the applications.

Steps:

1.Log in to the application as an administrator.

2.Navigate to the admin dashboard and select “Adoption Check.”

3.Browse the list of submitted adoption applications and select one for detailed review.

4.Review the application details, including the applicant's personal information, motivation for adoption, and living environment.

5.Based on the information provided, choose either “Pass” or “Fail.”

6.Confirm the action, and the system should automatically send a corresponding notification email to the applicant.

Expected Results

Administrators should clearly see all pending adoption applications.

The review interface should provide sufficient application information for administrators to make informed decisions.

Upon selecting “Pass,” a notification email confirming the application approval should be sent to the applicant.

Upon selecting “Fail,” a notification email stating the application rejection should be sent to the applicant.

After each action, the system should update the status of the application correctly and reflect this change on the interface.

These test cases are designed to cover the critical aspects, including user interaction, functionality, and security. Each test should be conducted in a controlled environment, and results should be meticulously documented to ensure that the application meets all specified requirements and provides a seamless, secure user experience.