

Group 1 – Animal Adoption Website Testing Plan

Scope:

For this project, we will test the functionalities of our website in two phases. The first phase of testing will be unit tests carried out to ensure that each individual component of our website performs the way that we expect. The unit test will be sectioned off by general functionalities in this document for organization purposes.

After we have ensured the expected results of our unit tests, we will perform a few tests in the form of completing higher-level user stories in the application itself. Selected stories for tests in this phase will be focused on essential website functionality. During these tests, the website will be looking to ensure certain conditions are true and the end state of the application after the user story is what we expect it to be.

Phase 1: Unit Tests

1. Login/Registration Testing:

Test #	Test Being Performed	Expected Result:
1	Password Field Encryption	Password for account cannot be seen in field and is encrypted when saved
2	Create a new valid user account	An account with specified username and password is created and added to the SQL table
3	Create account with username that already exists	An error message should be displayed, and the account info is not added to the Database
4	Create an account with an invalid password	An error message should be displayed, and the account info is not added to the Database
5	Login to previously created normal user account	Login is successful
6	Login using a valid username with an incorrect password	Login is unsuccessful and invalid password message is displayed
7	Login to admin account on Admin login page	Login is successful
8	Login to valid normal user account on Admin login page	Login is unsuccessful and invalid credential message displayed

2. Adoption searching page Testing:

Test #	Test Being Performed	Expected Result:
9	Display available pets on adoption page	Pets with adoption status of waiting will have information displayed, adopted pets are filtered out
10	set search to a species that has entries in database	Only animals of that species are displayed
11	set gender search to female	All available female animals are displayed regardless of species
12	set search for both species and gender	Displayed animals meet both selected criteria
13	set search for a species and submit, then enter a search for male gender animals and submit	The second search does not include the initial species specification and displays all male animals regardless of species
14	Search for species and gender combination with no valid entries in database	No animals displayed; text message written explaining no available animals meet search criteria

3. Animal Adoption Testing

Test #	Test Being Performed	Expected Result:
15	Try to adopt when not logged in	Button to process adoption should not be displayed
16	Select an animal from the search to adopt when logged in	Button to adopt should be present at bottom of screen
17	Adopt an animal as a registered user	Adoption is successful, pet status updated to adopted in database and no longer displayed
18	Click on adopt me button for featured pet when logged in	Adoption is successful, pet status updated to adopted in database and no longer displayed
19	Click on adopt me button for featured pet when not logged in	Adoption is not successful, message displayed instructing user to create an account

4. User Account Info Testing

Test #	Test Being Performed	Expected Result:
20	Change account password to a valid password with correct current password entered	Account password should be switched to the newly specified password in database for next login
21	Change all other account info with correct current password entered	Account info is update with newly entered information
22	Change account info when current password field contains wrong password	Account info should not change, incorrect password message displayed
23	Change account password to invalid password with current password correctly entered	Account info should not change, invalid password message displayed
24	Change account information, in current password field is the valid password for a different user	Account information for both the user that is logged in and user whose password was entered remain unchanged, incorrect password message displayed

5. Admin Website Info Update Testing

Test #	Test Being Performed	Expected Result:
25	Change the age of an animal	Animal data updated in database
26	Remove first animal from the adoption website	Data for that animal is removed from the database completely
27	Remove chosen user's account from website	Deletes account from database, signing in with chosen account credentials no longer works
28	Add new female snake for adoption	Information from the form is saved to database with adoption status of waiting
29	Select a user and update their password to a valid password	User information in database changes to newly entered info
30	Select user and update their username to something already in use by another user	Information should fail to be updated and previous username and password should remain set

Phase 2: System Tests

1. User Story Test: As a user who has previously used the website and found an animal I am interested in adopting; I want to create an account and adopt that animal.

Conditions being tested:

- 1) Registering successfully creates account and allows user to use the login page with the username and password they set.
 - 2) Moving between pages keeps the user logged into account so that they can get to the search page as a registered user instead of a guest.
 - 3) The searching page should have an adoption button when the user is logged in.
 - 4) The user can find the animal they are looking for by specifying the searching conditions which are species and gender, then search the list of matching animals for the desired one's name
 - 5) After being adopted, the animal's status in the database is updated and can no longer be found on the search page
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2. User Story Test: As a user, I want to login to my account that I previously created and update my password so that I can change it from one that has been compromised.

Conditions being tested:

- 1) Successfully login to an account that exists in the database
- 2) Switching between subpages does not log the user out
- 3) After entering current and new password, account info is updated in database
- 4) If the original password was also the password for another account, that account should not have any info changed

3. User Story Test: As an admin, I want to delete the animal details when they are no longer in our organization.

Conditions being tested:

- 1) Successfully login using the user login page with admin account that exists
- 2) Navigation to admin version of the animals'/users' information update page
- 3) Ability to delete specific record of users or animals that exists in database
- 4) The changes of database will reflect on this page immediately