Test Plan Document

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# Introduction

## Purpose

It aims to **identify challenges and potential issues** that users may face when interacting with the pet adoption website. It helps ensure **clear communication among developers, testers, and stakeholders** by outlining all the test scenarios in a structured way.It supports the goal of **delivering a reliable, user-friendly platform** by validating the system's functionalities through thorough testing.

## Scope

The focus is on different **functionalities and interactions users may experience** on the pet adoption platform, such as registration, pet search, application submission, login/logout, and feedback. It includes both **positive and negative test cases** to ensure the website handles valid inputs correctly and responds properly to errors. It also describes the **expected behavior** and **outcomes of the system**, covering front-end and elected back-end validations related to user actions.

# Test Scenario 1

***User Login:***

The user logs into their account using an email and password. If credentials are correct, they are directed to the User-dashboard.

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC01 | User logs in with valid credentials | FR01 | Email: user@mail.com, Password: pass123 | Directed to user-dashboard |
| TC02 | User logs in with invalid credentials | FR01 | Email: user@mail.com, Password: wrong pass | Error message shown |

# Test Scenario 2

***User Registration:***

Users can create an account by providing the required details, and if the account already exists with the same email or any field is missing, it will show an error

## 3.1 Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC03 | Register with valid details | FR02 | Name: Noor Email: [noor@email.com](mailto:noor@email.com) Password:123 | Account created successfully |
| TC04 | Register with missing fields | FR02 | Name: "", Email: user@mail.com | Error: Name is required |
| TC05 | Register with existing email | FR02 | Email:sara@gmail.com | Error: account already exists |

# Test Scenario 3

***Reset Password:***

**Users can reset their password if forgotten.**

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC06 | User entered a valid new password | FR03 | Password:12345 | Redirect to login again |
| TC07 | User entered a password the same as the old one | FR03 | Password:123  Old:123 | New one can’t be the same as your old |

# Test Scenario 4

***Upload Pet Images (Admin):***

**Admin can upload photos for pet profiles.**

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC08 | Upload valid image | FR04 | File: dog.jpg | Image uploaded |
| TC09 | User logs in with invalid credentials | FR04 | File: dog.txt | Error: Invalid file type |

# Test Scenario 5

***CURD operations:***

The admin can add/edit/delete user and pets form the database

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC010 | Admin enters all the field with valid data | FR05 | Name:nourhan  Email: nourhan@gmail.com  .  . | Added/updated successfully |
| TC011 | Admin enters all the field but some with invalid data | FR05 | Name:123 | Error message shown invalid data |
| TC012 | Admin skips some fields | FR05 | Name: | Error: missing fields |

# Test Scenario 6

***User search:***

**Users search for pets by their breed**

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC013 | Search for "Dog" | FR06 | type: Dog | List of dogs shown |
| TC014 | Search with no matching results | FR06 | Type: Unicorn | Message: No matching pets found |

# Test Scenario 7

***Adoption Application:***

**Users apply to adopt a specific pet.**

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC015 | Submit valid adoption application | FR07 | Login:  Email: noor@gmail.com  Pass: 123 | Application submitted |
| TC016 | Submit application without logging in | FR07 | No user session  Login  Name:  Pass: | Error: Login required |

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# Test Scenario 8

***Pet Availability:***

**Admin can change pet status from available to adopted**

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC017 | |  | | --- | |  |  |  | | --- | | Mark pet as adopted | | FR08 | Pet ID: 12 | Status: Adopted |
| TC018 | Mark adopted pet as available | FR08 | Pet ID: 515 | Status: Available |

# Test Scenario 9

***Admin Review Applications:***

* Admin reviews and approves/rejects user applications.

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC019 | |  | | --- | |  |   Admin approves valid application | FR09 | User ID:1 | Status: Accepted |
| TC020 | Admin rejects invalid application | FR09 | User ID:5 | Status: Rejected |

# Test Scenario 10

***Edit User Profile:***

* Users can update their personal information.

## Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Desc** | **Functional Req Code** | **Test Data** | **Expected Result** |
| TC021 | |  | | --- | |  |   Update name | FR010 | Name: Noor | updated |
| TC022 | Submit missing field | FR010 | Name:’ | Please enter your name |
| TC023 | Submit invalid data | FR010 | Name:126 | Please enter a valid name |