
Paws & Preferences – Cat Preference Selector

Test Plan

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1. Overview

1.1. Purpose

The purpose of this document is;

To verify the functional accuracy, usability, user flow, and mobile experience of the Paws & Preferences web app.

This test plan focuses on QA methodology, including functional testing, UI/UX evaluation, responsiveness, and behaviour validation across devices.

This document details the testing that will be performed by Nur Azira, software QA engineer. It defines the overall testing requirements and provides an integrated view of the project test activities. Its purpose is to document:

- What will be tested,
- How testing will be performed,
- Functional testing,
- UI/UX evaluation,
- Responsiveness,
- Error handling,
- Mobile behaviour

2. Objectives

The testing objectives are:

- To validate that all functional features perform as expected.
- To ensure the application behaves correctly across desktop and mobile devices.
- To evaluate user experience and identify usability issues.
- To ensure that the application handles errors gracefully (e.g., image loading issues).
- To confirm that the summary page accurately reflects user choices.
- To identify areas for improvement regarding UX, performance, and stability.

3. Testing Summary

3.1. Scope of Testing

3.1.1. In scope

The following components will be tested:

- Functional
- Loading cat images from the Cataas API
- Navigating between cat images
- Like/Dislike interactions
- Counting liked cats
- Summary page display
- Reset/refresh behavior
- Handling of rapid user actions
- User Interface
- Layout alignment
- Button placement
- Image scaling
- Visibility and spacing
- User Experience
- Clarity of the flow
- Ease of understanding
- Interaction feedback
- Visual hierarchy
- Mobile Responsiveness
- Behavior on small screens
- Touch interactions
- Button spacing
- Error & Edge Case Testing
- Slow network
- Failed image load
- Empty liked list
- Rapid button clicking

3.1.2. Out of scope

These are not implemented due to the QA-focused nature of the submission, **but will be evaluated in documentation:**

- Swipe gestures (swipe left/right)
- Animations or transitions
- Data persistence / backend storage
- Complex UI design
- Accessibility compliance (WCAG)
- Browser notifications
- Functional analytics or tracking

4. Test Approach

The testing approach will follow the following methods:

Test Approach	Method															
Functional Testing	<ul style="list-style-type: none">• Test all core features• Validate Like/Dislike actions• Validate summary page logic• Verify image transitions															
Non-functional Testing	<ul style="list-style-type: none">• Performance (image loading time)• Usability• Mobile responsiveness• Visual consistency															
UI Testing	<ul style="list-style-type: none">• Validate image sizing and alignment• Verify buttons are visible and properly spaced• Check layout across devices															
UX Evaluation	<ul style="list-style-type: none">• Assess user flow clarity• Identify confusing points• Evaluate intuitive behaviour• Check content spacing and visual balance															
Compatibility Testing	<p>Devices & browsers used:</p> <table border="1"><thead><tr><th>Device</th><th>Browser</th><th>OS</th></tr></thead><tbody><tr><td>Dekstop</td><td>Chrome, Edge</td><td>Windows 11</td></tr><tr><td>iPhone 16pro</td><td>Safari</td><td>iOS</td></tr><tr><td>Andriod Pixel</td><td>Chrome</td><td>Andriod 12</td></tr><tr><td>iPad</td><td>Safari</td><td>iPadOS</td></tr></tbody></table>	Device	Browser	OS	Dekstop	Chrome, Edge	Windows 11	iPhone 16pro	Safari	iOS	Andriod Pixel	Chrome	Andriod 12	iPad	Safari	iPadOS
Device	Browser	OS														
Dekstop	Chrome, Edge	Windows 11														
iPhone 16pro	Safari	iOS														
Andriod Pixel	Chrome	Andriod 12														
iPad	Safari	iPadOS														
Responsiveness Testing	<p>Using Chrome DevTools:</p> <ul style="list-style-type: none">• 375px• 390px• 414px• Tablet view															
Error Handling Testing	<p>Simulated using DevTools:</p> <ul style="list-style-type: none">• Block API• Slow 3G network• Interrupted image loading															
Negative Testing	<ul style="list-style-type: none">• Clicking buttons without images loaded• Rapid button presses• Refreshing on summary page• Empty liked list															

5. Entry, Exit & Deliverables Criteria

Testing will begin when:

- Basic app is deployed on GitHub Pages
- All UI components are visible
- Like/Dislike buttons are functional
- Summary page is accessible

Testing will end when:

- All planned test cases are executed
- All major bugs are identified and documented
- Summary of findings is prepared
- QA documentation is complete
- No blocker-level defects remain

Testing Deliverables:

- Test Plan
- Test Cases
- Bug Report
- UX Review
- Improvement Suggestions
- Coverage Matrix

6. Risks & Mitigation Table

The following risks and mitigation have been used throughout this document.

Risk	Impact	Mitigation
API downtime	Cat images cannot load	Add fallback text + reattempt logic
Slow network	Blank screen while loading	Add loader/spinner
Document in UX review	Missing assignment requirement	Document clearly; propose solution
Limited test data	Only 10 images	Use random parameter to vary images
Mobile UI issues	Poor usability	Document in UX review

7. Assumptions & Acceptance Criteria

7.1. Assumptions

- User has stable internet connection
- Browser supports JavaScript
- Cataas API continues to serve images
- No backend is required
- App is tested by a QA candidate, not end-users

7.2. Acceptance Criteria

The application is acceptable if:

- Users can browse all images
- Likes are counted correctly
- Summary displays accurate results
- App works on mobile without UI breakage
- No major functional bugs remain
- UX review shows no severe usability issues

8. Conclusion

This test plan outlines the full QA strategy for the Paws & Preferences web app. Testing will focus on validating key features, identifying usability issues, ensuring functional accuracy, and evaluating mobile behavior.

This ensures the app is assessed from a QA perspective, not purely a development-focused implementation.