Test Strategy

# 1. Introduction

This document outlines the high-level testing approach for the Pick Your Pup project.

# 2. Objectives

Ensure functional correctness, validate adoption/shopping workflows, test cross-browser compatibility, and confirm data integrity and security.

# 3. Scope of Testing

## In Scope

Authentication, shopping cart, adoption, orders, search, responsive design, database verification.

## Out of Scope

Third-party payment gateway, admin features.

# 4. Test Levels

Unit (dev), Integration, System, User Acceptance Testing.

# 5. Test Techniques

Black-box testing, exploratory testing, boundary value analysis, equivalence partitioning, error guessing.

# 6. Test Deliverables

Test Plan, Test Cases, Test Reports, Defect Logs, Test Closure Report.

# 7. Risk Management

Risks include DB corruption, browser compatibility issues, unclear requirements, and resource constraints. Mitigation strategies will be applied accordingly.

# 8. Exit Criteria

All critical workflows tested, no critical defects open, and all high-priority cases passed.