**Project:** Pick Your Pup – E-commerce & Adoption Platform

**Version:** 1.0

**Prepared For:** Manual Testing

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**SOFTWARE REQUIREMENTS SPECIFICATION (SRS)**

# 1. Introduction

## 1.1 Purpose

## The purpose of this SRS is to define the functional and non-functional requirements of the Pick Your Pup application. This document will guide the manual testing team to verify whether the application meets its intended goals: providing an e-commerce platform for purchasing dog-related products and adopting puppies.

## 1.2 Scope

The application allows:

* Users to **register, log in, and manage accounts**
* Browse and **adopt puppies**
* Shop for **food and accessories**
* **Add items to cart** and complete checkout
* **Track orders and adoptions**
* Use **search and filter** features
* Submit **contact forms**

The system includes a **frontend UI**, **backend API**, and **SQLite database**.

## 1.3 Intended Audience

This document is intended for developers, testers, project managers, and stakeholders involved in the Pick Your Pup project.

# 2. Overall Description

## 2.1 Product Perspective

The system is a **web-based e-commerce platform** with an adoption feature. It integrates:

* **Frontend** (React.js, responsive design)
* **Backend API** (Node.js, Express)
* **Database** (SQLite)

## 2.2 User Characteristics

 End-users: General public interested in pets

 Admin: Not included in this version (user-facing only)

 Technical knowledge: Basic (familiar with online shopping)

## 2.3 Constraints

The application will be deployed on localhost for testing and must run on Chrome, Firefox, Safari, and Edge.

# 3. Functional Requirements

## Authentication & User Management

Users can register, log in, and log out. JWT-based authentication ensures security.

## Shopping Cart

Users can add/remove/update items, view totals, and proceed to checkout.

## Puppy Adoption

Users can browse puppies, view details, and reserve/adopt with authentication.

## Orders

System allows order placement, tracking, and viewing order history.

## Search & Filtering

Users can search products/puppies and apply category filters.

## Contact Form

Users can submit queries, with email validation enforced.

# 4. Non-Functional Requirements

## Performance

Page loads should not exceed 3 seconds under normal conditions.

## Security

Passwords are hashed; JWT ensures secure sessions; inputs are sanitized.

## Usability

The system should be intuitive and responsive across devices.

## Reliability

System should recover gracefully from errors.

**5. Acceptance Criteria**

* All High priority test cases must pass.
* No critical defects should remain unresolved.
* Core workflows (Registration → Login → Cart → Checkout) must function end-to-end.
* Mobile responsiveness confirmed.