# Test Charter

## Objective:

Evaluate the primary features of the Pet Store application to uncover usability issues, functional defects, and potential security vulnerabilities.

## Scope of Testing

- Platforms:  
 - Windows 10  
 - Android

- Functional Areas Covered:  
 - User Registration  
 - User Login  
 - Product Search  
 - Add to Cart  
 - Checkout Process

- Test Approaches:  
 - Functional Testing  
 - Boundary Value Testing  
 - Negative Testing  
 - Session Control Validation

## Session Details

Start Time: 30-April-2025, 10:30 AM  
Tester: Sachin Jha  
Duration Category: Short Session

## Task Distribution

- Test Design & Execution: 65%  
- Bug Investigation & Reporting: 25%  
- Environment Setup: 10%  
- Charter vs Exploratory Opportunity: 90% / 10%

## Test Data Used

- dummy\_user\_accounts.csv  
- test\_product\_list.csv

## Session Summary

Explored core modules such as Registration, Login, Search, Cart, and Checkout. Key observations:

Registration & Login:  
- Verified all required fields.  
- Checked enforcement of password rules.  
- Tested behavior on invalid login attempts.

Search Functionality:  
- Executed valid, invalid, and edge-case search terms.  
- Observed handling of empty and special-character inputs.

Cart Functionality:  
- Added various items in different quantities.  
- Verified update, delete, and quantity change features.

Checkout Process:  
- Completed flow using both valid and invalid payment data.  
- Examined scenarios with missing address or card information.

## Identified Risks

- App may crash when search includes special characters.  
- Session isn't reliably invalidated post-logout.  
- Cart state may reset after logout or browser refresh.  
- Duplicate email accounts not correctly rejected.  
- Checkout accepts invalid card formats.

## Reported Bugs

- Bug 2001: Search input with special characters causes a crash.  
- Bug 2002: Quantity changes sometimes update incorrect product total.  
- Bug 2003: Session can be resumed via browser back after logout.  
- Bug 2004: No error is shown when registering with an existing email.

## Open Issues

- Issue 1: Incomplete credit card data accepted during checkout.  
- Issue 2: Session timeout behavior varies by browser.  
- Issue 3: Missing mandatory fields on checkout doesn’t trigger validation messages.