

# Test Plan

BlazeDemo QA Project

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Version	Date	Author	Changes
0.1	12/7/2025	Apple Obenario	Initial draft of test plan

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# Introduction

BlazeDemo is a front-end demo web application that allows users to book flights. The purpose of this test plan is to define the testing approach for BlazeDemo to ensure that all flight booking functionalities are working correctly through manual and UI automation testing.

## Test Scope

### In Scope

- Navigation between pages
- Destination of the week page
- Flight search
- Flight selection
- Booking form validations
- Booking confirmation page

### Out Scope

- Login page
- Register page
- Forgot Password page
- Payment gateway integration

## Test Objectives

- Verify that all flight booking functionalities are working correctly
- Ensure form validations are functioning as expected
- Automate repetitive functional test cases to reduce manual effort
- Generate clear test reports for review

## Test Types

- **Functional Testing:** Verify booking flow, form validations, navigation
- **UI Testing:** Ensure page elements display correctly and are interactable
- **Automation Testing:** Implement automated scripts using Selenium, Robot Framework, and Python

# Test Environment

**Browser:** Chrome (latest), Firefox (latest)

**OS:** Windows 10 / 11

**Tools:**

- Selenium WebDriver
- Robot Framework
- Python 3.13.7

## Test Deliverables

- Test scenarios (.xlsx)
- Test cases (.pdf)
- Automated test scripts (.robot)
- Test execution reports (.pdf / .xml / .html / .png)
- Bug reports (.docx)

## Roles & Responsibilities

- Apple Obenario (tester) – responsible for creating, executing, and reporting on test cases (manual and automated)

## Test Schedule

- **Week 1:** Installation, setup, and manual testing
- **Week 2:** Automation script setup and basic booking flow automation
- **Week 3:** Complete automation scripts & negative test cases
- **Week 4:** Review, generate reports, and merge all work to main branch.

## Risk and Mitigations

- Risk: Limited time for automation → prioritizes critical test scenarios
- Risk: BlazeDemo site is a demo site, and some pages are unstable → automate stable pages or functionalities and note assumptions
- Mitigation: Keep scripts modular and maintainable