

Software Test Plan - STP

"El Al Airlines Ltd."

Nofar Ben Shimon
Daniel Denisov
Shaye Shtinberg
Aviva Wuvet
Itzik Buganim

Version <10.6.0>
<17.3.2024>

Version Control

CURRENT VERSION

Title	Software Test Plan - STP
File	www.elal.com
Author	Nofar Ben Shimon, Daniel Denisov, Shaye Shtinberg, Aviva Wuvet, Itzik Buganim.
Version	10.6.0
Version Date	17.03.2024

APPROVAL

NAME	TITLE	COMMENTS	DATE

VERSION HISTORY

VER	DATE	CHANGES DESCRIPTION	MODIFIER

Table of Contents

1	DOCUMENT OVERVIEW	4
1.1	INTRODUCTION.....	4
1.2	OBJECTIVES	5
1.3	SCOPE.....	5
1.4	REFERENCES	5
2	SCOPE OF TESTING	7
2.1	FEATURES TO BE TESTED.....	7
2.2	FEATURES NOT TO BE TESTED.....	7
2.3	TESTING TYPES.....	8
2.4	TEST STRATEGY AND APPROACH	9
3	PLANED SMOKE TEST FOR “GOOGLE SEARCH”	שגיאה! הסימניה אינה מוגדרת.
3.1	TEST OBJECTIVES.....	שגיאה! הסימניה אינה מוגדרת.
3.2	<MODULE NAME>	שגיאה! הסימניה אינה מוגדרת.
3.2.1	<SUB MODULE NAME>	שגיאה! הסימניה אינה מוגדרת.
3.3	<MODULE NAME>	שגיאה! הסימניה אינה מוגדרת.
3.3.1	<SUB MODULE NAME>	שגיאה! הסימניה אינה מוגדרת.

1 Document Overview

1.1 Introduction

This document serves as the Software Test Plan for "El Al Airlines" website **<Version 10.6.0>**.

The purpose of this STP is to define the framework and Strategy for the testing of "El Al Airlines" web site.

The plan is tailored to support the Agile Scrum methodology, emphasizing on flexibility, and iterative development.

Our objective is to validate the High Quality of "El Al Airlines" web site.

We will verify "El Al Airlines" web site behaves as expected by testing its features and functionality.

In alignment with Scrum principles, this document will try to stay as short and focused on Testing needs so it could be easily updated and evolve throughout project iterations.

1.2 Objectives

At a high level the primary objectives of this Software Test Plan for El Al Airlines are as follows:

✓ **Ensure Product Quality:**

To uphold the high standards of quality for which El Al Airlines is known, verifying that all features work as intended and meet user and business requirements.

✓ **Enable Efficient Development Cycles:**

To align testing activities with Scrum sprints, facilitating swift identification and resolution of defects, and supporting the development team in quick iterations.

✓ **Support Business Goals:**

To ensure that the testing process aligns with the overarching business objectives, contributing to the sustained success and growth of El Al Airlines.

1.3 Scope

- The scope of this document is only for version 10.6.0 of “El Al Airlines” website.
- This STP won’t include the Test Planning and Test Execution of “El Al Airlines” web on the following OS: Linux, MacOS

1.4 References

No	Document Title	File Name (Path) / HyperLink
1	El Al Airlines main page	https://www.elal.com/he/Israel/Pages/default.aspx#
2		
3		

2 Scope of testing

2.1 Features to be tested

- Flight Search Box
- Location and Language choosing
- Registration to the "Matmid Club"
- Flight Ticket Purchasing
- "Contact Us" Page
- Free Format Search page

2.2 Features not to be tested

- Ticket Cancelling via Credit Voucher
- "Manage My Booking"
- Security Issues
- Accessibility
- Check-In

2.3 Testing Types

Outlined below are the test types that will be planned and performed during this project:

- **Functionality Verification:**

To ensure all features of El Al Airlines, such as search execution, Filters, and tabs, operate as intended across various platforms and devices.

- **Usability Assessment:**

To evaluate the user interface for intuitiveness, ease of use, and accessibility.

This includes ensuring the search page is easily navigable and that the interface elements are responsive to user interactions.

- **Compatibility Testing:**

To confirm that El Al Airlines works seamlessly across different browsers (e.g., Chrome, Firefox, Safari, Edge), operating systems (Windows, macOS, Linux, Android, iOS), and devices (desktops, tablets, smartphones).

- **Localization and Internationalization Verification:**

To ensure that El Al Airlines provides accurate results and a user-friendly experience in different languages and regions.

- **Search Result Accuracy:**

To validate the relevancy and accuracy of search results provided by the search algorithms.

This includes testing the effectiveness of filters and the ranking of search results.

- **Smoke Testing**

To ensure all basic and relevant features of the website work as expected, such as flight ticket purchasing, booking management, flight check-in and Customer Service contacting.

- **User Interface Testing**

<List here all the testing types that you Plan to use in this Project>

2.4 Test Strategy and Approach

Our test approach is systematic and structured to ensure thorough and efficient validation of each build received from the Development team.

The following outlines our planned testing progression for each release cycle:

Initial Build Assessment with Smoke Testing:

Upon receipt of a new build, the Quality Assurance (QA) team will execute a Smoke Testing Suite.

This suite is designed to quickly check the stability of the build and ensure that the core functionalities of El Al Airlines web are operating as expected.

Only after a build passes the smoke test will it move forward in the testing process.

Focused Testing on New Features and Bug Fixes with Sanity Testing:

After the build has passed the Smoke Testing phase, the QA team will proceed to Sanity Testing.

This phase is targeted at the new features and bug fixes included in the release.

The objective is to ensure that specific updates are functioning correctly in the application without any immediate issues.

Comprehensive Regression Testing:

Following the Sanity Testing phase, comprehensive Regression Testing will be conducted.

This is critical to ensure that new code changes have not adversely affected existing functionalities of El Al Airlines website.

The Regression Testing will be extensive and is designed to cover all areas of the application that could potentially be impacted by the changes.

Incorporation of Exploratory Testing:

Parallel to the structured testing phases, we allocate approximately 20% of the total testing effort during the execution phase for Exploratory Testing.

This approach allows testers to go beyond predefined test cases and scenarios, using their insights and experience to uncover issues that may not have been anticipated in the test planning stages.

Iterative Feedback and Continuous Integration:

The testing strategy is aligned with the Agile Scrum framework, which advocates for continuous integration and iterative feedback.

Testing phases will be tightly integrated with the sprint cycles, ensuring prompt feedback to the Development team and allowing for quick iteration and refinement of the application.

The proposed testing approach ensures a balance between structured testing and the flexibility to discover unforeseen issues, making it highly effective in an agile development environment.

By following this approach, the QA team contributes to the delivery of a stable, high-quality product that meets the rigorous standards expected of EI AI Airlines.