TestLink

Test Plan Execution Report (on specific build)

Test Project: My test project
Test Plan: Test Plan - Search Engine
Build: version 0.0.9

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Test Plan: Test Plan - Search Engine

1. Introduction

The purpose of this Test Plan is to define the strategy, scope, schedule, and responsibilities for the testing of the AirSerbia.com search engine component. The document contains key information about testing activities. It lists all software components that

will be verified and the types of tests that will be performed.

2. Scope of tests

In scope:

- Unit tests
- Functional testing: verification of filters, field validation, and search results display
- Performance tests: average and peak response time validation
- Cross-browser testing (Chrome, Firefox, Opera)

Out of Scope

- Automated testing (due to time and environment constraints)
- Accessibility testing
- Security and penetration testing

3. Test items

- Search engine module on the **AirSerbia.com** homepage
- Filtering logic for flight parameters (dates, destinations, passenger count)
- Validation of mandatory fields and result set accuracy

4. Entry criteria

- Search engine implementation completed and deployed to the test environment
- Test data available and configured
- Test environment stable and accessible
- User stories and acceptance criteria approved by the Product Owner

5. Exit criteria

- All planned test cases executed
- 95% of critical and high-severity test cases passed
- No open critical or high-severity defects
- Test summary report delivered and accepted by stakeholders

6. Test approach

Functional testing:

- Based on user stories and acceptance criteria
- Manual test cases will be designed and executed in TestLink
- Each failed case will be logged as a defect in Jira with appropriate severity and priority

Performance testing:

- Conducted using **JMeter**
- KPIs: Average response time ≤ 700 ms

Retesting and regression:

- All fixed defects will be retested in the next test cycle
- Regression testing will cover core functionality and critical business flows

7. Test deliverables

- Test cases in TestLink

- Test execution results

- Defect reports in Jira

- Performance test results (JMeter reports)

- Final Test Summary Report

8. Test environment

Component	Specification
OS	Windows 11 Pro 64-bit
Browsers	Chrome (latest), Firefox (latest), Opera (latest)
Test Tools	JMeter, TestLink, Jira, BrowserStack
Test Data	Configured manually based on valid and invalid inputs

9. Test Data

- Test data sets will be created manually according to business rules

- Data examples include valid/invalid dates, city codes, and passenger combinations

- Sensitive production data will **not** be used in any test environment

10. Schedule

Activity	Responsible	Duration	Dates
Test case design	N. Policht	1 day	07.10.2025
Functional testing	N. Policht	2 days	08–09.10.2025
Performance testing	N. Policht	1 day	10.10.2025
Retesting & regression	N. Policht	1 day	11.10.2025
Reporting	N. Policht	0.5 day	12.10.2025

11. Defect Management

- All defects are logged in **Jira** with the following details:
  - Summary, environment, steps to reproduce, actual vs. expected result, severity, and priority

- Defects are triaged daily during the testing period

- Lifecycle: *Open → In Progress → Fixed → Retest → Closed / Reopened*

- Defects are linked to relevant test cases and user stories

12. Reporting

- Daily reports: Short progress update in Jira/Slack channel.

- Final Test Summary Report: Delivered after completion of all testing activities, including:
  - Execution statistics (pass/fail/blocked)
  - Defect summary by severity
  - Performance metrics
  - Release readiness assessment

13. Roles and responsibilities

Role	Name	Responsibilities
QA Engineer	**Nateła Policht**	Test design, execution, defect reporting, retesting, reporting
Developer	TBD	Fixing defects, supporting testing
Product Owner	TBD	Requirement clarification, acceptance of final results

14. Approval

Name	Role	Signature	Date
QA Engineer	N. Policht		
Product Owner	TBD		
Project Manager	TBD		

Name	Role	Signature	Date
QA Engineer	N. Policht		
Product Owner	TBD		
Project Manager	TBD		

Test Suite : Search engine

Test Case Pro12-1: Validation verification [Version : 1]

#:	Step actions:	Expected Results:	Execution Status:
1	1. Open a web browser and navigate to https://www.airserbia.com. 2. Check if the flight search engine is visible on the page. 3. Verify that the search engine fields are active and clickable. 4. Check if there are any visible error messages for the search engine.	1. The homepage loads successfully without any errors. 2. The flight search engine is displayed with fields: "From", "To", "Date range", "Passengers" and "Promo code". 3. All fields respond to clicks and allow data input. 4. No error messages or broken components are visible. The search engine loads completely.	Passed
2	1. Open a web browser and navigate to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. Leave the "From," "To," and "Date range" fields empty. 4. Click on the "Show flights" button.	1. The homepage loads successfully with the flight search engine visible. 2. The button "Round trip" is active and highlighted in blue. 3. Fields remain empty. 4. Validation messages appear next to fields that are mandatory.	Passed
3	1. Open a web browser and navigate to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. The "From", "To" and "Date range" fields are not filled in. 4. Click on the "Show flights" button. 5. Fill in the required fields "From", "To" and "Date range".	1. The homepage loads successfully with the flight search form visible. 2. The button "Round trip" is active and highlighted in blue. 3. Fields remain blank. 4. Validation messages appear next to the mandatory fields "From," "To," and "Date range". 5. Validation messages should disappear after completing the required fields.	Passed
4	1. Open a web browser and navigate to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. Fill in the "From," "To," and "Date range" fields. 4. Click the "Find flights" button.	1. The home page loads successfully with the flight search form visible. 2. The button is active and highlighted in blue. 3. The fields "From," "To," and "Date range" are filled in correctly. 4. Flight details are loading correctly.	Passed
5	1. Open a web browser and navigate to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. Click on the "Date range" calendar field to open the calendar date picker. 4. Observe all dates earlier than today's date in the date picker.	1. The homepage loads successfully with the flight search form visible. 2. The button is active and highlighted in blue. 3. The calendar widget opens displaying available dates. 4. All dates in the date picker earlier than today are blocked.	Passed

Execution type:	Manual
Estimated exec. duration (min):	
Priority:	Medium
Execution Details	
Build	version 0.0.9
Tester	natela
Execution Result:	**Passed**

Execution Mode:	**Manual**
Execution duration (min):	**30.00**

Test Case Pro12-2: Verification of search engine logic [Version : 1]			
#:	**Step actions:**	**Expected Results:**	**Execution Status:**
1	1. Open a web browser and navigate to https://www.airserbia.com. 2. Check if there are any visible error messages for the search engine.	1. The homepage loads successfully without any errors. 2. No error messages or broken components are visible. The search engine loads completely.	Passed
2	1. Open a web browser and navigateIn to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. In the "From" field, enter the location "Tirana." 4. Select "Tirana" from the drop-down list.	1. The homepage loads successfully without any errors. 2. The button "Round trip" is active and highlighted in blue. 3. The field allows data input and the location "Tirana" appears in the first position in the suggestion. 4. It is possible to select "Tirana" from the drop-down list.	Passed
3	1. Open a web browser and navigate to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. In the "To" field, enter the location "Athens". 4. Select "Athens" from the drop-down list.	1. The homepage loads successfully without any errors. 2. The button "Round trip" is active and highlighted in blue. 3. The field allows data input and the location "Athens" appears in the first position in the suggestion. 4. It is possible to select "Athens" from the drop-down list.	Passed
4	1. Open a web browser and navigate to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. Click on the "Date range". 4. Select the date range.	1. The homepage loads successfully without any errors. 2. The button "Round trip" is active and highlighted in blue. 3. A date picker appears with the available time range. 4. The selected dates are visible in the "Date range" field.	Passed
5	1. Open a web browser and navigate to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. Click on the "Passengers" field. 4. Select passengers: 1 adult, 1 child, and 1 infant.	1. The homepage loads successfully without any errors. 2. The button "Round trip" is active and highlighted in blue. 3. The passenger selection dialog box opens correctly. 4. It is possible to choose the passengers: 1 adult, 1 child, and 1 infant.	Passed
6	1. Open a web browser and navigate to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. Click the "Promo code" field. 4. Enter the numbers "1234" in the "Promo code" field.	1. The homepage loads successfully without any errors. 2. The button "Round trip" is active and highlighted in blue. 3. The field responds to clicks. 4. The field allows data input.	Passed
7	1. Open a web browser and navigate to https://www.airserbia.com. 2. Make sure you are in the "Round trip" section. 3. In the "From field, enter the location "Tirana". 4. In the "To" field, enter the location "Athens". 5. In the "Date range" field, enter the dates from available time range. 6. Click "Show flights".	1. The homepage loads successfully without any errors. 2. The button "Round trip" is active and highlighted in blue. 3. It is possible to select "Tirana" from the drop-down list. 4. It is possible to select "Athens" from the drop-down list. 5. It is possible to select the dates from available time range. 6. The page is loading results for the selected flight criteria.	Passed
Execution type:	Manual		

Estimated exec. duration (min):	
Priority:	Medium
Execution Details	
Build	version 0.0.9
Tester	natela
Execution Result:	**Passed**
Execution Mode:	**Manual**
Execution duration (min):	**30.00**

Estimated exec. duration (min):	
Priority:	Medium
Execution Details	
Build	version 0.0.9
Tester	natela