

# TAROM

## Test Plan

### Revision History

Date	Description	Author	Comments
1.03.2024	Test plan for TAROM	Diana Bour	Version 2.2.2 -Updated QA team -Discuss with QA team about roles and responsibilities -Extended tests -Updated risks

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## **1. Introduction**

TAROM (Romanian pronunciation; legally *Compania Națională de Transporturi Aeriene Române TAROM S.A.*) is the flag carrier and oldest currently operating airline of Romania, based in Otopeni near Bucharest. Its headquarters and its main hub are at Henri Coanda International Airport. It is currently the first and largest airline operating in Romania based on international destinations, international flights and the second-largest measured by fleet size and passengers carried.

## **1. Project Objective**

The purpose of this application is to increase the trust in its functionalities, we need to raise the trust in the quality of this project as high as possible before releasing it to customers.

<https://www.disneyplus.com/ro-ro/home>

## **2. Functionalities in scope**

We are focusing our tests on the following areas:

1. Plan your trip-Search Bar, Book Trip, Find great fares, for Additional services we will test „Onboard meal”, „Advanced seat reservation”, and „Book extra baggage”, Highlights
2. My booking-For Seat reservation, we will test „My booking”, „Call center TAROM”, „TAROM agency” and „Here”, and for Onboard menu option, we will test „Business Menu” and „Economy/Pre-order Menu”.

During testing, we will implement functional testing: smoke test, positive and negative, also non-functional test : performance testing, reliability. Also testing retest and regression.

### **1.3 Functionalities and tests out of scope**

- Automation testing is out of scope
- Compliance regulation testing is beyond the scope
- Portability testing will not be done
- Volume testing will not be done
- All the other modules, except Passenger Information and Flights and Reservation are out of scope.

## **2. Test process**

### **Test planning**

### **Roles and responsibilities**

- QA 1 – Diana Bour- will test Plan your trip(Search Tab, My booking, Find great fares, Additional services, Highlights) and My booking(Seat reservation and Onboard menu option)

### **Entry criteria:**

- Testing environment is up and running
- Smoke test passed
- Roles and responsibilities are established and agreed
- Business requirements are available, agreed and completed by the analyst
- Projects risks identified and mitigated
- Deadlines established
- Objectives of testing established, agreed and communicated within the team

### **Exit criteria:**

**Test coverage** - 90% of key user scenarios are tested

**Defect Closure rate** - All critical functionalities and high priority/severity cases have **Closed** status

**Risk mitigation** - All project risks and product risks are identified and resolved

**Documentation complete** - All test cases are up-to-date and the Test Summary Report was sent to the stakeholders

**User acceptance** - Regression Testing and Acceptance testing is finalized and management approval is obtained

## **Risks:**

- Deadline is too short
- Late delivery of the software hardware or tools
- Changes to the original requirements or design
- QA team does not include sufficient members / holiday season

## **2.2 Test analysis**

- We analyze the business requirements and create the best test conditions

## **2.3 Test design**

- all the test cases are written and reviewed

### **1. Plan your trip**

#### **A. Search tab**

- Click on search tab
- Write random characters
- Enter

#### **B. My booking**

- Scroll to my booking section
- Enter a country in section „From”
- Enter a country in section „To”
- Select the kind of the trip(one way or round trip)
- Select the date in section „From”
- Select the date in section „To”

- Select the number of the people who travel

- Enter „Search flights”

### **B.1.My booking**

- Enter Search Flights without filling in the boxes

### **C.Find great fares**

- Scroll through the section to see the presented cities

### **D.Additional services**

- Scroll to additional services

- Enter to „onboard meals”

- Enter to „advanced seat reservation”

- Enter to „book extra baggage”

### **E. Highlights**

- Scroll to highlights to see the cities presented

- Click on „book now”

## **2.My Booking**

### **A.Seat reservation**

- Scroll to seat reservation

- Click seat reservation

- Scroll through the new page with informations

- Click on „My Booking”

- Click on „Call center TAROM”

- Click on „Tarom agency”

- Click on „Here”

### **B. Onboard menu option**

- Scroll to Onboard menu option

- Click Onboard menu option

- Scroll through the page

### **B.1.Business menu**

- Scroll to business menu

- Click on business menu

- Scroll through the informations about the menu

## B.2.Economy/Pre-order menu

- Scroll to economy/pre-order menu
- Click on economy/pre-order menu
- Scroll through the informations about the menu

## 2.4 Test implementation

- we have to make sure that we have the environment ready for testing
- we validate the test environment with smoke testing
- tests are organized and prioritized by the Test Analysts
- creating test suites from the test procedures for efficient test execution
- verifying that the test environment has been set up correctly
- comparing actual results with expected results
- the tests are grouped based on the objectives ex: functional testing , regression testing ,acceptance testing .

Functional testing for TAROM: test the ability to start the Passenger Information and Flights and Reservations portal from available demos , test internal links, test to see if all the pages are working.

For the Passenger Information and Flights and Reservation we will test navigation functionality and readability and clarity of information.

For „Check in online” we will test functionality of the „I agreed and start check-in” button.

## 2.5 Test execution

- We run the tests on multiple browsers (Chrome, Mozilla Firefox, Microsoft Edge), to see how the applications works on them
- Bugs found will be documented and reported to the development team
- We use retesting and regression testing to be sure that all the bugs we have identified have been fixed
- Weekly we will generate test reports , to monitor and control the activity

## **2.6 Test closure**

- not less than 90% of tests are passed
- no Critical issues have Open status
- Project risks and product risks are resolved
- Test summary report has been generated and was sent to the stakeholders

## **2.7 Test monitoring and control**

- Continuous monitoring of the entire testing process ,
- Keeping track of important test metrics using Dashboards
- Key Performance Indicators: Active Defects, Authored Tests, Covered Requirements, Defects Fixed Per Day, Passed Requirements, Rejected Defects, Reviewed Requirements, Defects Closure Rate
- Will be taken corrective actions based on test monitoring reports to improve quality and efficiency,
- Identify and take corrective measures against new risks that may occur during testing in order to minimize the impact that can be caused

## **3. Test deliverables**

### **3.1. Test plan - link to test plan**

### **3.2. Test conditions**

The test conditions will be created based on the business requirements validated in the test analysis phase and will represent the features to be tested and transformed into test cases.

### **3.3 Test cases**

- link to test cases

### **3.4. Daily test summary report**

- link to daily test summary report (number of tests ran today, % of them failed, passed, re-test, etc)

### **3.5. Traceability matrix**

- link to traceability matrix

### **3.6. Test case results**

- link to test case results

### **3.7. Bugs report**

- link to bugs report

### **3.8. Test completion report**

- link to test completion report

### **3.9. Schedule**