TEST PLAN FOR MOMONDO WEBSITE PROJECT

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Introduction

The purpose of this test project is to verify the correct and complete implementation of the business requirements for the https://momondo.com project using the following methods:

- Functional Testing
- API Testing
- Regression Testing
- Mobile Testing

The testing approach will follow the Agile methodology with the organization of the testing process in two stages:

Test Preparation

- Business requirements analysis
- Test Cases creation
- Set-up test data
- Test environment configuration

Test Execution

- Test Runs
- Defect Reporting
- Correction check
- Final Reporting

Scope

In testing scope

The purpose of the test is to functionally verify the following components of the website:

Jira User Story	Title	Current Status
ICHM-1	New Homepage	done
ICHM-2	Search Flights Widget	done
ICHM-4	New Homepage	done
ICHM-5	Filter Search Results Widget	done
ICHM-6	View and Claim Flight Deals	done
ICHM-7	Mobile View checking	done

ICHM-8	Price Alert feature	done
ICHM-11	Retrieve airports API Endpoint	done

For this, we will use positive and negative testing and regression testing.

From a non-functional point of view, the test will follow the adaptability of the product on the following browsers: Chrome (both desktop and mobile devices).

Out of testing scope

The following types of testing are not part of the purpose of this test session:

- Test performance
- Stress test
- Load test
- Testing partner's links availability
- Security testing

Quality Objective

The main testing objectives are:

- Ensure the Application Under Test (AUT) conforms to functional and non-functional requirements
- Ensure the AUT meets the quality specifications defined by the client
- Bugs/issues are identified and fixed before going live

Roles and Responsibilities

Role	Name	Responsibility
QA Engineer	CLAUDIA HENT	Performs test runs, report defects, and update the board.
Test Manager	RAUL RITI	Planning, coordination, and control of the testing activities.
Project Manager	BOGDAN BRASOVEANU	Plan, organize, and direct the completion of the project, ensuring that the project is on time, on budget, and within scope.
Developers	Internal Development Team	Analyze the project needs, create, test, and develop software features.
Release Manager	Internal Development Team	Responsible for the release management lifecycle.

Test Methodology

Agile

This project will be carried out under the agile methodology. It will allow closer collaboration between the testing team and the developers because it allows greater adaptability to the challenges within the project (blocking defects, lack of resources, competition).

The sprints were scheduled for a week and the final version will be released within 15 days of the start of the first sprint.

Test Levels

All levels of testing are used starting with Unit Testing and Integration Testing runs by developers.

System testing level is part of the QA Teamwork, from this section test scenarios will be developed to ensure the quality of the product.

Acceptance testing is made by the QA Team and a small community that will have access to a Pre-PROD environment of the project. Our guests will test from the UI and UX point of view.

Bug Triage

Defects will be prioritized for resolution according to the following criteria:

- Severity
- Their appearance during the testing phase

Defects will track the status stream below:

- To-Do
- In Progress
- In Review
- In Testing
- Done (Solved)

The opening time should be 1-2 days from the opening of each defect.

Test Completeness

To consider the test complete, we consider the following criteria:

- Each US must have at least 1 TC
- All TCs are running with a positive result
- All defects reported during block severity, emergency, and major testing should be resolved and closed

Test Deliverables

During the testing process, the QA team will deliver the following documents:

- Test Plan
- Test Cases
- Requirement Traceability Matrix
- Bug Reports
- Test Strategy
- Test Metrics
- Customer Sign Off TCR

Resource & Environment Needs

Testing Tools

- Atlassian Jira
- Zephyr Scale Jira Extension
- Postman - https://postman.com
- Laptop with Internet connection and Chrome browser installed
- Mobile Phone with Android OS and an internet connection and Chrome browser installed

Test Environment

All test cases will run on a pre-prod environment previously set up.

Terms/Acronyms

Term/Acronym	Definition
API	Application Programming Interface
AUT	Application Under Test
BVA	Boundary Value Analysis
QA	Quality Assurance
TC	Test Case
TCR	Test Completion Report