

# Test Plan for Booking.com

**Project:** Booking.com Search Bar and Reservation Functionality Testing

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## 1. Introduction

### Purpose

The purpose of this test plan is to outline the strategy, resources, and schedule for testing the search bar and reservation functionality on the Booking.com website.

### Objective

To ensure the quality and functionality of the search bar and reservation features on the Booking.com website by performing comprehensive testing.

### 1.1 Project Objective

To test the search bar and reservation functionality on the Booking.com website to ensure they function as expected and meet business requirements.

## 1.2 Functionalities in Scope

- Search Bar Functionality
  - Entering search criteria
  - Displaying search results
  - Filtering search results
- Reservation Functionality
  - Selecting a property
  - Booking a reservation
  - Confirming reservation details
  - Cancelling a reservation

## 1.3 Functionalities and Tests Out of Scope

- Mobile application testing
- Performance testing beyond basic functionality
- Non-functional requirements like load testing, stress testing, etc.

## 2. Test Process

### 2.1 Test Planning

**2.1.2 Identify Test Cases and Scenarios:** Identify all possible test cases and scenarios for the search bar and reservation functionality.

**2.1.3 Allocate Resources for Testing Activities:** Assign team members to specific testing tasks, ensuring that each area of the application is covered.

### 2.2 Test Analysis

**2.2.1 Understanding Requirements, Features, and Potential Risks:** Analyze the requirements and understand the functionality of the search bar and reservation features, identifying potential risks such as incorrect search results or reservation failures.

**2.2.2 Decomposing User Stories into Testable Scenarios:** Break down user stories into specific, testable scenarios that cover all aspects of the functionality.

### 2.3 Test Design

**2.3.1 Creating Detailed Test Cases with Clear Steps and Expected Outcomes:** Develop detailed test cases that include steps to execute the test, expected results, and actual results.

**2.3.2 Defining Test Data Sets and Pre-Conditions:** Define the necessary data sets and pre-conditions required for executing the test cases.

### 2.4 Test Implementation

**2.4.1 Developing Test Scripts and Automation where Possible:** Develop automated test scripts where applicable to ensure efficient and repeatable testing.

**2.4.2 Setting Up the Testing Environment:** Set up the testing environment to match the production environment as closely as possible, including configurations and data.

## **2.5 Test Execution**

**2.5.1 Executing Test Cases and Documenting Results:** Execute the test cases, documenting the results and any deviations from expected outcomes.

**2.5.2 Monitoring and Reporting Test Progress:** Monitor the progress of testing activities and report status regularly to stakeholders.

## **2.6 Test Closure**

**2.6.1 Analyzing Test Results, Reporting Defects, and Documenting Lessons Learned:** Analyze the test results, report any defects found, and document lessons learned for future testing activities.

## **2.7 Test Monitoring and Control**

### **Monitoring and Control Report for Booking.ro**

This monitoring and control report provides an overview of the current status of the development and operation project of the Booking.ro platform. It evaluates performance, progress, and any deviations from the initial plan, identifying necessary corrective actions.

#### **Objectives of Monitoring and Control**

- Ensuring that the project stays within the established parameters (cost, time, quality).
- Identifying and managing emerging risks and issues.
- Ensuring effective communication between the involved teams and stakeholders.
- Optimizing processes for the continuous improvement of the platform.

#### **Methodology**

- **Tools Used:** Jira for defect and test management, Google Analytics for traffic and user behavior monitoring, and internal reports for operational performance analysis.
- **Monitoring Frequency:** Reports are generated weekly, with detailed monthly reviews.

#### **Current Project Status**

##### **Performance and Progress**

- Integration of the payment system.
- Implementation of advanced search filters.
- Launch of the user reviews section.

### 3. Test Deliverables

#### 3.1 Test Plan

Document overall testing strategy, including:

- **Project Objectives:** Ensure the search bar and reservation functionality works as intended.
- **Testing Approach:** Functional testing with a focus on user interactions and data integrity.
- **Test Schedule:** Plan for testing activities, including timelines for planning, design, implementation, execution, and closure.
- **Resources:** List of personnel, equipment, and software tools required for testing.

#### 3.2 Test Conditions

Testing will be conducted under defined conditions to ensure consistent and reproducible results:

##### Hardware:

- Operating system: Windows 10
- Processor: Intel Core i5 or equivalent
- RAM: 8 GB or more
- Hard drive: SSD with at least 50 GB of free space

##### Software:

- Web browser: Chrome or Firefox
- Booking.com web app

##### Network:

- Stable network connection with minimum bandwidth requirements

##### User Roles:

- Registered user with an active account
- Guest user

##### System Configurations:

- Booking.com web app configured to handle search and reservation functionality

#### 3.3 Test Cases

Comprehensive set of test cases developed to cover all aspects of the search bar and reservation functionality:

**3.3.1 Test Objective:** Ensure that users can search for properties and make reservations successfully.

**3.3.2 Pre-Conditions:** User must be logged in to an account (for registered user scenarios).

**3.3.3 Steps:**

- **Search Bar:**
  - Enter search criteria (destination, dates, number of guests)
  - Click search button
  - Verify search results are displayed
  - Apply filters and verify results update accordingly
- **Reservation:**
  - Select a property from search results
  - Enter reservation details (dates, number of guests)
  - Confirm reservation details
  - Complete booking process
  - Verify reservation confirmation
  - Cancel reservation and verify cancellation

**3.3.4 Expected Results:** Search results and reservation processes work correctly and as expected.

**3.3.5 Actual Results:** [To be filled after test execution]

**3.3.6 Priority:** High

### **3.4 Daily Test Summary Reports**

Daily reports summarizing testing activities, including:

- Number of test cases executed
- Number of defects identified
- Notable issues
- Outstanding actions

### **3.5 Traceability Matrix**

Create a matrix linking test cases to specific requirements or user stories to ensure full coverage.

### **3.6 Test Case Results**

Detailed records of each executed test case result, documenting:

- Pass
- Fail
- Inconclusive
- Defects or issues for failed test cases

### **3.7 Bugs Report**

Comprehensive reports for each identified defect, including:

- Detailed description of the defect
- Steps to reproduce
- Affected versions
- Severity level
- Ownership
- Timeline for resolution and retesting

### **3.8 Test Completion Report**

Summarize overall findings of the testing phase, including:

- Number of test cases executed
- Number of defects identified
- Closure status of defects
- Overall quality and completeness of the functionality
- Recommendations for further testing or development

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This plan ensures that the search bar and reservation functionality on Booking.com is thoroughly tested and meets all business requirements and user expectations.