# **Test Plan (Make My Trip) Mobile App**

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## Objective

The goal of this test plan is to verify the functionality, usability, and reliability of the sign-up process for the MakeMyTrip app, with specific focus on email verification, password handling, location detection, advertisements, and recent searches.

## Scope

* **In Scope**:
  + Verification of email input during sign-up.
  + Password validation and complexity checks.
  + Testing location detection functionality.
  + Assessing the impact of advertisements on user experience.
  + Checking the display of recent searches post sign-up.
* **Out of Scope**:
  + Payment gateway integration.
  + Booking workflows for flights, hotels, and other services.

## Inclusions

The following items are included in this test plan:

Test strategy document

Test cases document

Test execution report

Defect report

## Test Environments

* **Devices**:
  + Mobile Devices: iPhone (iOS 14+), Android (8.0+), tablets.
* **Network Conditions**:
  + Test under different network strengths (4G, 5G, Wi-Fi).

**Testing Approach**

**Manual Testing Types**

1. **Functional Testing**:
   * Verify key functionalities of the sign-up process.
2. **Usability Testing**:
   * Assess user interface elements and ease of navigation.
3. **Compatibility Testing**:
   * Validate compatibility across devices and platforms.
4. **Negative Testing**:
   * Test invalid inputs and error-handling mechanisms.

Tools - JIRA

## Test Strategy

|  |  |
| --- | --- |
| **Component** | **Description** |
| Objectives | List the overall goals and objectives of the testing process. |
| Test Levels | Specify the testing levels (unit, integration, system, acceptance) and their respective purposes, scopes, and objectives. |
| Test Types | List the types of testing to be conducted (functional, non-functional, regression) and their purposes and scopes. |
| Test Techniques | Detail the testing techniques to be used for each test type (black-box, white-box, grey-box) and whether manual, automated, or a combination of both approaches will be employed. |
| Test Deliverables | List the test artifacts to be produced during the testing process (test plans, test cases, test scripts, test reports). |
| Test Environment | Describe the hardware, software, and network configurations required for testing, including target browsers, devices, and operating systems, as well as any tools or frameworks to be used. |
| Test Schedule | Provide an estimate of the time needed for each testing phase, taking into account resource availability, dependencies, and project deadlines. |
| Resource Allocation | Identify team members responsible for different testing tasks and outline their roles and responsibilities. |
| Risk Management | List potential risks and challenges that may arise during the testing process, along with contingency plans to address them. |
| Test Exit Criteria | Define the criteria that must be met before testing can be considered complete, such as a specific percentage of test cases executed, a certain level of test coverage, or a maximum number of unresolved defects. |

## Test Schedule

Following is the test schedule planned for the project –

Task Time Duration

|  |  |
| --- | --- |
| **Task** | **Dates** |
| ▪ Creating Test Plan | 20/01/2025 |
| ▪ Test Case Creation | 20/02/2025 |
| ▪ Test Case Execution | 21/02/2025 |
| ▪ Summary Reports Submission Date | 21/02/2025 |

**Test Deliverables**

* Test cases execution report.
* Defect log with screenshots/videos for reproducible issues.
* Test summary report detailing execution results and defect metrics.

**Entry and Exit Criteria**

**Entry Criteria:**

* Test environment is set up.
* Test data is prepared.
* Features are deployed for testing.

**Exit Criteria:**

* All test cases executed.
* Critical and high-priority defects resolved and verified.
* Test summary report submitted.

Tools

The following are the list of Tools we will be using in this Project:

• JIRA Bug Tracking Tool

• Mind map Tool

• Snipping Screenshot Tool

• Word and Excel documents

#### Risks and Mitigations

The following are the list of risks possible and the ways to mitigate them:

Risk: Non-Availability of a Resource

Mitigation: Backup Resource Planning

Risk: Build URL is not working

Mitigation: Resources will work on other tasks

Risk: Less time for Testing

Mitigation: Ramp up the resources based on the Client needs dynamically