

Test Plan for Travel Buddy Web Application

Overview

- This document explains how we will perform complete testing on “Travel Buddy,” a website for planning trips and discovering new places. Our goal is to ensure that all key features work well and that there are no serious bugs before we launch the app.

Scope of Testing

- Browsing destinations and viewing details (like attractions, amenities).
- Creating, editing, and managing trip itineraries.
- Booking accommodations through third-party providers.
- Discovering and booking activities.
- Managing user profiles (account creation, saved preferences, past trips).
- Exploratory testing of upcoming features (like interactive maps and weather forecasts).

Test Objectives

- Confirm that important functions like finding places to visit, creating trip plans, and making bookings operate correctly.
- Take note of any issues related to features, their connections, or user experience.
- Ensure that new features will work seamlessly with the existing system.

Test Items

- **Destination Exploration**

Validate that users can explore a list of destinations, with details about attractions, accommodations, and local services.

- **Trip Planning Tools**

Validating how users can create, edit, and update their travel itineraries by adding activities, accommodations, and transportation options..

- **Hotel Bookings**

Validating that users can book accommodations through other websites connected to the app.

- **Activity Discovery**

Validating how users can find and book activities. At their chosen destinations, users can pick from options like sightseeing tours or adventure activities.

- **User Accounts**

Testing how users can create, manage accounts, save preferences, and view past trips.

Test Approach

- **Functional Testing**
Validate that all features are outlined in the requirement will work according to requirement
- **Integration Testing**
Ensure external services (like accommodation providers) integrate smoothly.
- **UI/UX Testing**
Validate the user interface is user-friendly and behaves correctly across different browsers.
- **Exploratory Testing**
Test new features in a creative way without fixed test cases to discover possible problems.

Test Environment

- Operating Systems:
Windows 10, macOS Monterey, Ubuntu.
- Browsers:
Chrome, Firefox, Safari, Microsoft Edge.
- Devices:
Desktop and mobile (iOS, Android).

Test Deliverables

- Test Plan document (this document).
- Test cases for all functional and integration tests.
- Bug reports with details on any defects found

Roles and Responsibilities

- Test Lead
Manages the testing process, test case writing, and scheduling.
- Testers
Execute the tests, report bugs, and perform exploratory testing.
- Developers
Fix any bugs reported.

- Product Owner
Ensures the features meet business goals and clarifies requirements when needed

Possible risks and its solution

- Risk
Delay in testing third-party services due to external availability.
- Mitigation
Communicate regularly with third-party providers to ensure timely testing.

Test Schedule

- Test Planning
2 days.
- Test Case Creation
3 days.
- Test Execution (Functional + Integration)
5 days.
- Exploratory Testing
2 days
- Bug Reporting and Fixes
Ongoing during test execution.
- Final Report Preparation
1 day.

Conclusion

- This plan will help us test Travel Buddy to make sure the app is ready to be released.
We will check important features and fix any major problems.