

Test Plan for "Travel Buddy" Application

1. Test Plan Creation

- Objective: Develop a comprehensive test plan for "Travel Buddy."
- Key Deliverables:
 - Scope of testing (e.g., which features will be tested, such as Destination Exploration, Trip Planning Tools, and Accommodation Booking).
 - Testing objectives (e.g., ensuring usability, functional correctness, performance).
 - Test environment setup (browsers, OS, network conditions, etc.).
 - Testing approaches (manual testing, black-box testing, exploratory testing).
 - Responsibility assignment (who will do what in the testing process).
 - Clear timelines for test phases (test design, test execution, bug reporting, etc.).
- Steps:
 1. Define Scope – List out all features to be tested.
 2. Set Objectives – What should the testing achieve? (e.g., find UI inconsistencies, functional defects).
 3. Identify Environment – What browser/OS will you be using for testing? (Chrome, Firefox, macOS, Windows).
 4. Decide Approaches – Will you use exploratory testing, test cases, or ad-hoc testing?
 5. Assign Responsibilities – If a team is involved, clarify who will be responsible for what.
 6. Timeline – Set deadlines for planning, execution, and bug reporting.
- Estimated Time: 1-2 days.

2. Test cases

1. Destination Exploration

- Test Case 1: Browse Destinations

- Pre-condition: User is logged in.

- Steps:

1. Navigate to the “Explore Destinations” section.

2. Select a destination from the list.

- Expected Result: The destination details page loads with information about attractions, accommodations, and local amenities.

- Actual Result: (To be filled during testing).

- Test Case 2: Search for a Destination

- Pre-condition: User is logged in.

- Steps:

1. Use the search bar to look for a specific destination.

2. Enter “Paris” and press search.

- Expected Result: Search results display relevant destinations, including “Paris.”

- Actual Result: (To be filled during testing).

2. Trip Planning Tools

- Test Case 3: Create a New Itinerary

- Pre-condition: User is logged in.

- Steps:

1. Go to the “Trip Planning” section.

2. Click “Create New Itinerary.”

3. Add a destination, activities, accommodation, and transportation.

4. Save the itinerary.

- Expected Result: The itinerary is created successfully and saved to the user's profile.

- Actual Result: (To be filled during testing).

- Test Case 4: Edit an Existing Itinerary

- Pre-condition: User has an existing itinerary.

- Steps:

1. Go to "My Trips."

2. Select an existing itinerary.

3. Modify the accommodation or activity details.

4. Save the changes.

- Expected Result: The itinerary is updated with the new details.

- Actual Result: (To be filled during testing).

3. Accommodation Booking

- Test Case 5: Search for Accommodations

- Pre-condition: User is on a destination page.

- Steps:

1. On the destination page, click on "Find Accommodations."

2. Filter accommodations by price range and ratings.

- Expected Result: The filtered list of accommodations is displayed.

- Actual Result: (To be filled during testing).

- Test Case 6: Book Accommodation

- Pre-condition: User has selected accommodation.

- Steps:

1. Select accommodation from search results.

2. Click "Book Now."

3. Complete the booking process by entering details and confirming.

- Expected Result: The booking is confirmed, and the user receives a confirmation notification.

- Actual Result: (To be filled during testing).

4. Activity Discovery

- Test Case 7: Explore Available Activities

- Pre-condition: User is logged in and on a destination page.

- Steps:

1. Click on "Explore Activities."

2. Browse through the list of activities.

- Expected Result: A list of available activities for that destination is displayed.

- Actual Result: (To be filled during testing).

- Test Case 8: Add an Activity to Itinerary

- Pre-condition: User is creating a new itinerary.

- Steps:

1. While creating an itinerary, select an activity from the available options.

2. Add the activity to the itinerary.

- Expected Result: The activity is successfully added to the itinerary.
- Actual Result: (To be filled during testing).

5. User Profiles

- Test Case 9: Save Favorite Destination

- Pre-condition: User is logged in and browsing a destination.

- Steps:

1. Click the “Favorite” icon on a destination page.

- Expected Result: The destination is added to the user’s list of favorite destinations.

- Actual Result: (To be filled during testing).

- Test Case 10: View Past Trips

- Pre-condition: User has completed trips saved in their profile.

- Steps:

1. Navigate to “My Trips” in the user profile.

2. View past trips.

- Expected Result: The user can view all past trips with details of each itinerary.

- Actual Result: (To be filled during testing).

6. Upcoming Features

- Test Case 11: Check Interactive Maps (Future Feature)

- Pre-condition: The interactive maps feature has been released.

- Steps:

1. Access the trip planning tools.

2. Click on “Interactive Maps.”

- Expected Result: The user can view their travel plans and destination highlights on an interactive map.

- Actual Result: (To be filled during testing).

- Test Case 12: Use Currency Converter (Future Feature)

- Pre-condition: The currency converter feature has been released.

- Steps:

1. Go to the currency converter tool.

2. Select a currency and input an amount.

- Expected Result: The converted currency value is displayed.

- Actual Result: (To be filled during testing).

3. Bug Reporting

Bug Report 1: Issue with Destination Exploration

- Bug Title: Destination Details Page Fails to Load

- Severity/Priority: High

- Description: When a user selects a destination from the Explore Destinations list, the page does not load the details. Instead, a blank screen appears.

- Steps to Reproduce:

1. Log in to the application.

2. Navigate to the “Explore Destinations” section.

3. Click on any destination.

- Expected Behavior: The destination details page should load with information on attractions, accommodations, and local amenities.
- Actual Behavior: A blank screen appears with no content.
- Screenshot/Video: (Attach applicable screenshots or video here).
- Environment:
- Browser: Chrome version
- OS: Windows 10
- Additional Notes: Issue persists across different destinations and browsers.

Bug Report 2: Inconsistent Search Results

- Bug Title: Search Results for Destinations Not Accurate
- Severity/Priority: Medium
- Description: When searching for a destination, the search results do not display all relevant destinations. For example, searching for "Paris" does not return "Paris, France" but instead shows unrelated results.
- Steps to Reproduce:
 1. Log in to the application.
 2. Use the search bar to search for "Paris."
- Expected Behavior: The search should return "Paris, France" and other relevant destinations.
- Actual Behavior: The search results show irrelevant or no destinations matching "Paris."
- Screenshot/Video: (Attach applicable screenshots or video here).
- Environment:
- Browser: Firefox
- OS: macOS 13

- Additional Notes: The issue occurs with multiple destination searches, not just “Paris.”

Bug Report 3: Unable to Save New Itinerary

- Bug Title: New Itinerary Fails to Save
- Severity/Priority: High
- Description: After creating a new itinerary, clicking the “Save” button does not save the itinerary. No confirmation is shown, and the itinerary is not saved in the user’s profile.
- Steps to Reproduce:
 1. Log in to the application.
 2. Create a new itinerary with destination, activities, and accommodation.
 3. Click “Save.”
- Expected Behavior: The itinerary should save successfully, and the user should receive a confirmation message.
- Actual Behavior: No confirmation is shown, and the itinerary is not saved.
- Screenshot/Video: (Attach applicable screenshots or video here).
- Environment:
 - Browser: Edge version
 - OS: Windows 11
- Additional Notes: The bug appears intermittently, sometimes allowing the itinerary to save but most times not.

Bug Report 4: Accommodation Booking Not Completing

- Bug Title: Booking Process Stuck on Payment Page

- Severity/Priority: High
- Description: When attempting to book accommodation, the process gets stuck on the payment page. The “Complete Booking” button does not respond after inputting payment details.
- Steps to Reproduce:
 1. Log in to the application.
 2. Search for and select accommodation.
 3. Proceed to the payment page.
 4. Enter payment details and click “Complete Booking.”
- Expected Behavior: The payment should be processed, and the booking confirmation page should appear.
- Actual Behavior: The “Complete Booking” button does not respond, and the page remains on the payment screen.
- Screenshot/Video: (Attach applicable screenshots or video here).
- Environment:
 - Browser: Safari version
 - OS: iOS 18
- Additional Notes: Issue occurs consistently across different accommodation options.

Bug Report 5: Activity Addition Failure

- Bug Title: Unable to Add Activities to Itinerary
- Severity/Priority: Medium
- Description: Users are unable to add activities to their itinerary during trip planning. The “Add Activity” button is disabled or unresponsive.
- Steps to Reproduce:

1. Log in to the application.
 2. Create or edit an itinerary.
 3. Try to add an activity from the “Explore Activities” section.
- Expected Behavior: The user should be able to add the selected activity to their itinerary.
 - Actual Behavior: The “Add Activity” button remains disabled or unresponsive, preventing the activity from being added.
 - Screenshot/Video: (Attach applicable screenshots or video here).
 - Environment:
 - Browser: Chrome version
 - OS: Ubuntu version
 - Additional Notes: This issue does not affect accommodation or transportation additions.

Bug Report 6: User Profile Information Not Updating

- Bug Title: User Profile Updates Not Saving
- Severity/Priority: Low
- Description: Changes made to user profile details, such as updating favorite destinations, are not saved. After clicking “Save,” the profile page refreshes without applying the changes.
- Steps to Reproduce:
 1. Log in to the application.
 2. Navigate to the user profile section.
 3. Update favorite destinations or personal information.
 4. Click “Save.”
- Expected Behavior: Profile updates should save successfully, and changes should be reflected in the profile.

- Actual Behavior: The page refreshes, but the changes are not saved.
- Screenshot/Video: (Attach applicable screenshots or video here).
- Environment:
 - Browser: any
 - OS: Windows 10
- Additional Notes: The issue appears to be limited to favorite destinations and personal info; trip histories are updating correctly.

4. Exploratory Testing

- Objective: Conduct creative and unstructured testing to discover new issues, particularly with the upcoming features (interactive maps, social integration, weather forecasts, etc.).
- Key Deliverables:
 - Exploratory testing report, detailing test scenarios, focus areas, and findings.
 - Recommendations for improvements or further testing.
- Steps:
 1. Plan Focus Areas – Decide what parts of the application or upcoming features you will focus on (e.g., currency converter, interactive maps).
 2. Execute Tests – Use creative methods to test integrations (e.g., simulating various currencies for the currency converter, checking how the weather data is displayed).
 3. Document Findings – Record bugs or suggestions for improvements during testing.
- Estimated Time: 1-2 days.

4. Final Deliverable

- Compile all the documents:

- Test Plan (PDF)
- Bug Reports (PDF)
- Exploratory Testing Report (PDF)