

A. Test Plan Creation

A Test plan outlines the strategy, scope, objectives, and timelines for testing. I am creating a test plan for "Travel Buddy"

Purpose : To ensure the core functionalities of "Travel buddy" (destination exploration trip planning , booking etc.)

Scope of testing:

Features to be Tested :

Destination exploration: Ensure users can browse and view detailed information about the destinations (attractions , accomodations , local amenities)

Trip Planning tools: Test itinerary creation , editing , and managing tools including adding activities accomodations and transportation.

Accommodation Booking: Verify integration with booking providers and ensure seamless accommodation searches and bookings.

Activity Discovery: Check that user can explore activities at various destinations with a focus on correct filtering and information accuracy.

Users Profiles : Ensure that users can save preferences destinations and past trips

Features not to be Tested :

Upcoming features like interactive maps , social integration, weather forecast and currency converter as these are still under development

Test Environment :

Browsers : chrome , firefox , Safari

Operating systems : windows 10, macOS

Devices : Desktop and mobile responsive testing

Network Settings : test Under both good and poor Network conditions to check performance

Objectives :

1. Validate the core Functionalities of travel buddy
2. Ensure smooth integration with third party services for accommodation booking
3. confirm the UI is intuitive and free from errors

Test Approach:

The Approach to testing involve :

Functional testing : Ensure all the features work as expected

Integration testing: Testing the interaction between travel Buddy and third party booking APIs

Cross browser Testing : Ensuring compatibility with popular browser (Chrome, firefox and safari)

Usability testing: Testing to ensure the interface is easy to use

Regression testing: Ensure no new bugs are introduced when fixing existing issues

Exploratory testing: Identify issues beyond scripted test cases by testing upcoming features (maps social integration etc)

Responsibilities :

Tester : Responsible for planning , Execution , bug reporting and documentation

Developer : Resolve the reported bugs

Action Plan and Timeline :

1. Review the web application features
2. Create test cases for the core functionalities and upcoming features
3. Execute the Test cases and perform exploratory testing on integration features
4. Document the results
5. Finalize the bug report and test plan
6. Submit the completed assignment as a PDF

B. Bug Reporting:

Sample Bug report :

Bug title : Unable to add activities to itinerary

Severity/Priority : High

Description: when a user tries to add activities to the itinerary the page throws an error and the activity is not added

Steps to Reproduce :

1. Go to the create itinerary page
2. Select a destination from the destination list
3. Try to add any activity from the destination
4. The systems throws an error and doesn't add the activity

Excepted Result: Activities should be added to the itinerary and displayed in the itinerary summary

Actual behavior: The systems throws a 500 internal server error and no activity is added to the itinerary

Screenshot/Video: Include any screenshots of the error page

Environment: Browser : Google chrome

Operating system: windows 10

Additional notes : This error occurs with specific destinations such as Bali and paris other destinations seem unaffected

C. Exploratory testing:

For exploratory Testing focus on upcoming features and integrations since the features are in development use your creativity and assumptions to guide Testing

Exploratory testing report

Approach : The goal of exploratory testing is to explore how upcoming features might integrate with existing functionality . since the features are not live yet will simulate or imaging how they should work based on standard functionality

Focus Areas:

Interactive maps: should display visual representations of a user planned itinerary verify how this should would work based on standard functionality

Social integrations: simulate sending trip itineraries to friends sharing trip experience and seeing trip recommendations

Test Scenario executed :

Scenario 1: Explore how the interactive maps right work when a user adds multiple destinations to their itinerary

Scenario 2: Simulate the social features where users can share their trip plans ensure the shared plan link can be opened by other users

Issues found:

Interactive maps: potential performance issues if too many destinations are added

Social integration: Potentials issues where shared trip links do not properly display itineraries when accessed by friends

High Level Test cases

Test case 1: Verify user should be registered and had valid credentials

Test case 2: Verify user should be login with valid credentials

Test case 3: Verify user should not logging with invalid credentials

Test case 4: Verify User should have active email id

Test case 5: Verify when user enter valid email id and password user should be able to login successfully

Test case 6: Verify user searching valid date flights should be displayed

Test case 7: Verify searching with invalid date flights should not be displayed

Test case 8: Verify when user click on flight booking button , user should be able to book flight successfully

Test case 9: Verify user should be able to update the profile details

Test case 10: Verify user should not able to save the updated profile details without entering the profile details which are mandatory

Test case 11: Verify user click on Book flight button it should redirect to payment Gateway page

Test case 12: Verify when we Enter wrong or invalid password error message should be displayed payment failed

Test Case 13: Verify user should be able to logout successfully when we click on logout button