

Exploratory Testing Report for "Travel Buddy"

1. Approach

The exploratory testing was used to identify usability issues and functional bugs within the "Travel Buddy" application. And overall performance of the application

2. Focus Areas

I am focused this areas for the exploratory testing

- **Weather Forecast Integration**
- **Currency Converter Integration**
- **Interactive Maps**
- **Social Integration**
- **User Profiles**
- **Itinerary Planning**
- **Error Handling**

3. Test Scenarios Executed

1. Weather Forecast Integration

Scenario 1: Verify that the weather data for multiple destinations is accurate. And visible

Scenario 2: Test the refresh button for real-time updates. To check the updates are displayed correctly

2. Currency Converter Integration

Scenario 3: Check conversion rates for several currencies. And cross verify it across multiple currencies

Scenario 4: Assess the usability of the converter interface. And check it is integrated to system properly

3. Interactive Maps

Scenario 5: Explore the interactive map for responsiveness across different devices. Like mobile ,tablet and laptops

Scenario 6: Test functionalities like zooming and panning. And checks the current location is displayed currently

4. Social Integration

Scenario 7: Assess the experience of connecting with friends.

Scenario 8: Verify the recommendation system based on friends' activities and connections

5. User Profiles

Scenario 9: Test the creation and management of user profiles. And user registration

Scenario 10: Verify the functionality of saving preferences and past trips, upcoming trips and account details

6. Itinerary Planning

Scenario 11: Verify the process of creating and managing itineraries. Verify the option to change the saved itineraries

Scenario 12: Test the addition of activities to itineraries. And verify the itineraries customizable

7. Error Handling

Scenario 13: Assess how the application handles invalid inputs in forms.

Scenario 14: Verify the handling of network errors. And performance issue

4. Issues Found

- **Weather Forecast Integration**

Issue 1: Showing Inaccurate weather data for less populated areas.

Issue 2: Refresh button sometimes does not update the data accurately

- **Currency Converter Integration**

Issue 3: The conversion fails for certain currency pairs.

Issue 4: Inaccurate result for different currency values (ex: inr to aed correct : but Aed to dollar is incorrect)

- **Interactive Maps**

Issue 5: For some locations not showing suggestions or wrong information

Issue 6: Lagging zoom functionality on mobile devices.

- **Social Integration**

Issue 7: Adding friends is not so easy.

Issue 8: Sharing experiences lacks user feedback.

- **User Profiles**

Issue 9: Some Changes made in the profile not updated

Issue 10: While creating profile it accepts incorrect values (ex : ph no , email id)

- **Itinerary Planning**

Issue 11: Glitches in adding activities to itineraries.

Issue 12: Failure to save itinerary changes while the trip started.

- **Error Handling**

Issue 13: Inaccurate error messages for invalid input.

Issue 14: Inconsistent handling of network errors.

5. Insights Gained

- UI Issues : Identified the simple UI issues and identified the UI improvement.
- Login Issue: login with incorrect data is accepted . Accurate real-time data builds user trust in the application.
- Error Handling : Error messages should be displayed with appropriate manner. Clear error messages significantly enhance the user experience.
- Optimization issue : Should be compatible with more devices, need to fix currency converter module and weather Forecast module

6. Recommendations

- **Further Testing:**

- Conduct detailed testing on the accuracy of the Weather Forecast and Currency Converter.
- Perform extensive cross-device testing for the Interactive Maps feature.
- Perform Security testing for data protection

- **Improvements:**

- Simplify the Currency Converter interface for better usability.
- Enhance clarity of error messages and provide guidance for user corrections.
- Need to improve Secure User login and easy user experience
- Need to improve interactive map functionality

7. Conclusion

The exploratory testing revealed valuable insights into the "Travel Buddy" application, understanding areas for improvement and Addressing the identified issues will enhance the overall user experience and functionality. Continuous exploratory testing is are useful while new featured are integrated