Test Report for Flight Cost Calculation System

Test Execution Period: [Specify the test execution period] Test Environment: [Specify the test environment details]

Summary: The flight cost calculation system was tested to validate the accuracy of cost calculations based on distance, departure date, and service class. The test execution focused on various test scenarios, including flights less than 500 miles, flights between 500 and 1000 miles, flights over 1000 miles, departure dates, and invalid inputs.

Overall, the test results indicate that the system performs accurately in most cases. However, one critical issue was identified during testing, affecting the cost calculation for flights less than 500 miles. The bug report (FCS-001) has been raised to address this issue.

Test Execution Details:

1. Test Scenarios and Test Cases:
   * Flights Less than 500 Miles:
     + Test Scenario 1: Verify the cost is $100 for flights less than 500 miles. [PASS]
     + Test Scenario 2: Verify there are no additional costs for extra baggage. [PASS]
   * Flights between 500 and 1000 Miles:
     + Test Scenario 3: Validate cost calculation for different departure dates:
       - Test Case 3.1: Test cost calculation for departing within 7 days. [PASS]
       - Test Case 3.2: Test cost calculation for departing within 30 days. [PASS]
       - Test Case 3.3: Test cost calculation for departing within 90 days. [PASS]
     + Test Scenario 4: Verify the additional cost calculation for extra baggage. [PASS]
   * Flights over 1000 Miles:
     + Test Scenario 5: Validate cost calculation for different service classes:
       - Test Case 5.1: Test cost calculation for Economy class. [PASS]
       - Test Case 5.2: Test cost calculation for Business class (double the cost). [PASS]
       - Test Case 5.3: Test cost calculation for First class (triple the cost). [PASS]
     + Test Scenario 6: Verify the additional cost calculation for extra baggage. [PASS]
   * Departure Dates:
     + Test Scenario 7: Test the system's behavior for different departure date scenarios. [PASS]
   * Invalid Inputs:
     + Test Scenario 8: Validate the system's behavior when providing invalid inputs. [PASS]
2. Bug Report:
   * Bug ID: FCS-001
   * Bug Title: Incorrect Cost Calculation for Flights Less than 500 Miles
   * Severity: High
   * Priority: High
   * Description: The flight cost calculation for flights less than 500 miles is not accurate. The system is currently charging a different cost instead of the expected $100.

Recommendation:

1. Address the identified bug (FCS-001) promptly by investigating and rectifying the calculation algorithm or logic to ensure accurate cost calculation for flights less than 500 miles.
2. Conduct thorough testing of the fix to verify accurate cost calculations for all flight distances.
3. Perform regression testing to ensure that the fix does not introduce any new issues or regressions.

Conclusion: The flight cost calculation system demonstrates accurate cost calculations for most scenarios. However, the bug report (FCS-001) indicates an issue with the cost calculation for flights less than 500 miles. It is recommended to address this critical issue promptly to maintain accurate pricing and customer satisfaction.

Please let me know if you require any further information or clarification.

Thank you.

[Tester's Name] [Designation/Role] [Date]

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Regenerate response

Screenshot