Software Quality Assurance

22CSSE04H

Chosen Website: Expedia

Group : 7

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1. Table of Contents

1. Test Plan Identifier

EXP01

2. Introduction

To organize the entire testing approach for the website "Expedia", a system test plan has been created. A quality assessment of the "Expedia" website is also done using it. Developing a project test strategy is crucial for reducing risk concerns and contingencies. Modules make up the entirety of the system, thus this test plan was created in a way that its entire approach and strategy ensures the integration of the modularity. So, the goal of all testing operations will be to demonstrate the correction of the system functions, including the functionalities of the software. The scope of the project's test strategy as well as the features that will be tested or not are all listed there. This documentation will also include a detailed description of the item/pass fail benchmarks, suspension guidelines, and environmental requirements.

3. Software Risk Issues

1. Product size risk
2. Software tools that were used have been discontinued.
3. Software tools used might increase in price, which is a risk as there is a fixed budget.
4. Business impact risk
5. Customer didn't provide us with the needed detailed information about the topic.
6. Lack of staff Expertise
7. Technical issue risk

4. Features To be Tested:

1. Login
2. Signup
3. Browse Rooms
4. Browse Flights
5. Select Flight Class
6. Book Cars
7. Book Packages

8. Book Things to do
9. Book Cruises
10. Sort By Filter
11. Provide Rating
12. Choose Time
13. Choose Budget
14. Choose Duration
15. Check Recommendations
16. Choose Destination
17. Select Start Date
18. Select End Date
19. Change Website Language
20. Select Number of Travelers
21. Search
22. Contact Support

5. Features not to be Tested:

1. Payment Method
2. Confirm Booking Rooms
3. Confirm Booking Flights
4. Confirm Booking Cars
5. Confirm Booking Packages
6. Confirm Booking Cruises
7. Confirm Booking Activity (Things to do)
8. Refund
9. List Your Property
10. Database Design
11. UI Components

6. Item Pass/Fail Criteria

1. All core features must pass.

2. 90% of test cases must pass otherwise failure.

3. Testing must cover all booking features.

4. On the other hand testing should cover at least 70% of other features not related to booking.

5. Any critical Booking related defect must be fixed.

7. Suspension Criteria

1. Website under construction
2. Budget has been cutdown.
3. Project has been cancelled.
4. Testing has been cancelled.
5. Connection issues
6. Testing staff are unavailable.

8. Test Deliverables

- Test plan
- Test suite
- Test logs
- Test bug reports
- Testing Analysis reports
- Provide list of improvements
- Test results

9. Schedule

Milestone Task	Start Date	End Date
Test Planning	March 10	March 11
Test Suite	March 11	March 14
Test Logs	March 14	March 18
Test bug reports	March 18	March 22
Test Analysis reports	March 22	March 27
Provide list of improvements	March 27	March 29
Test results	March 29	April 1

10. Planning Risks and Contingencies

1. Tool discontinuity: The solution is to switch to an alternative tool.
2. Software tool price increase: Seek extra funds from the stakeholders.
3. Customer-related issue: Arrange more meetings with the customer to find preferred solutions.
4. Lack of staff Expertise: provide the staff with high quality training or employ experts in the field.
5. Technical issue risk: Use/provide high quality software and hardware tools.