

TEST PLAN for GoZayan

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1. Test Plan Identifier

Gozayan Flight Booking Website Testing TP_1.0

2. Introduction

The test plan outlined specifically focuses on testing the flight booking functionality of the Gozayan website. The scope of the testing effort includes functional testing, usability testing, performance testing, security testing, and compatibility testing. It aims to guarantee that the flight reservation system satisfies the necessary quality requirements and offers an enjoyable user experience.

3. Test Items

- Flight Booking Panel
- Database Panel
- Admin Panel
- Customer Support Pane
- Payment Gateway Panel

4. Features to be Tested

As a Customer,

- Log in to the website.
- Selection of Travel Type Options.
- Searching for a place and hotels in specific places.
- Can see the flight details.
- Can book tickets and rooms in hotels.
- Can make payments.
- Can see only his booking details.
- Can modify and cancel the booking.
- Can see details of the facilities of hotels.
- Can search tourist spots for specific places.
- Can see the details of tourist spots that they search for.
- Can give reviews and ratings and see other reviews.

As an Admin,

- Manage user accounts.
- Can manage flight and hotel information.

- Can access and manage booking details.
- Can modify the content of the website.
- Can track and monitor flight information.

5. Features not to be Tested

If the website displays content from external Integrations, such as advertisements or external widgets, these third-party contents are generally not to be tested.

6. Approach (STRATEGY)

- Define the scope, objectives, and stopping criteria for each test level.
- Specify the objectives, techniques, and tools to be used for each test type.
- Describe how test coverage will be achieved, considering functional and non-functional aspects.
- Define the overall test schedule, including test milestones, timelines, and dependencies.
- Identify the test tools that will be used to support the testing activities, such as test management tools, test automation tools, etc.
- Define the roles and responsibilities of the testing team members.

7. Item Pass/Fail Criteria

Pass criteria,

- All test cases have been executed as planned. Among the completed test cases, the percentage of cases with minor defects is within an acceptable range.
- Meet the specified functional requirements as all the functional requirements are being implemented correctly.
- Ensure the integrity and accuracy of data such as verifying that data is correctly stored, retrieved, and manipulated without errors or corruption.
- Successful implementation of security measures.

Fail criteria.

- There are pending or incomplete test cases.
- Any instance where the functionality does not meet the specified requirements or exhibits critical defects.
- The database involves data inconsistencies, data loss, or data integrity.
- Presence of security vulnerabilities, or, unauthorized access.

8. Suspension Criteria and Resumption Requirements

- If the database problem leads to inconsistent or unreliable data or loss of data testing should be paused immediately.
- If the system fails to proceed with CRUD (CREATE, READ, UPDATE, DELETE) operations, Testing should be paused immediately.
- System crashes, unrecoverable errors, or other issues that make the system unstable require immediate attention. In such cases, testing should be stopped to investigate and resolve the underlying problems.
- If an important feature or functionality of the system fails to work such as payment processing, user authentication, business workflows, etc. testing should be stopped immediately.

9. Test Deliverables

- Test plan document.
- Test cases.
- Test design specifications.
- Tools and their outputs.
- Error logs and execution logs.
- Bug reports.

10. Test Tasks

- Test environments should be prepared. e.g. Test Data, Test Login
- Test cases report format.
- Bug reports format.
- Test progress report format.
- Test summary report format.

11. Environmental Needs

Compatibility with Browsers and Devices such as Chrome, Firefox, Safari, and Edge and various devices, including desktop computers, laptops, tablets, and mobile phones.

12. Staffing and Training Need

- At least three testers should perform the testing.
- Training may need to cover the application and the test tools to be used.

- The testers assigned should have basic knowledge regarding the domain of the travel industry, flight booking processes, and related terminology.

13. Responsibilities

- Selecting features to be tested and not tested.
- Setting overall strategy for testing.
- Ensuring that all necessary components and tools are available for testing.
- Ensure overall security.

14. Schedule

Let's assume,

Total work hours is 10 hours and

The number of workdays in a week is 5 days (assuming weekends are not considered workdays).

The initial testing should be finished within two weeks or 1 hour per day.

15. Planning Risks and Contingencies

- If the website contains complex functionalities, complex business workflows, or full integration with third-party systems, it may require more time to test thoroughly.
- If the system crashes and there is no backup data available, it can be a significant risk to the availability and integrity of the system and its data.
- If the tester doesn't have basic knowledge regarding the domain of the travel industry, flight booking processes, and related terminology, testing could be delayed.
- Bug fixes and final testing may be delayed if the first round of testing is not finished within two weeks.

16. Approvals

Project Manager, QA manager, IT, and Security teams can approve the process as complete and allow the project to proceed to the next level.