**Test Plan for Goose Flight Website**

**1. Introduction**

The purpose of this test plan is to outline the strategy and approach for testing the flight booking website. The goal is to ensure the functionality, performance, security, and usability of the website across different devices, browsers, and regions. This document outlines the testing scope, objectives, approach, test deliverables, and schedule.

**2. Test Objectives**

* Verify the functionality and performance of the website.
* Ensure compatibility across different browsers and devices.
* Ensure proper localization and accessibility.
* Confirm that SEO optimization is implemented correctly.
* Validate that the website meets security and usability standards.

**3. Test Scope**

**In-Scope:**

* Functional testing of core features like flight search, booking, and payment.
* Compatibility testing across various browsers (Chrome, Firefox, Safari, Edge).
* Device testing (iOS and Android).
* Localization testing for different regions and languages.
* Accessibility testing using screen reader software.
* SEO optimization testing for rankings and meta descriptions.

**Out-of-Scope:**

* Hardware-specific issues.
* External system integrations other than payment gateways.

**4. Test Strategy**

**4.1 Types of Testing**

1. **Functional Testing:**
   * Verify that all features of the flight booking website are working as expected, including flight search, user registration, booking process, and payment.
2. **Browser Compatibility Testing:**
   * Test the website’s compatibility across different browsers like Chrome, Firefox, Safari, and Edge to ensure the site works seamlessly on all major browsers.
3. **Device Compatibility Testing:**
   * Verify that the website is responsive and functions well across multiple devices, including mobile and tablet (iOS and Android).
4. **Localization Testing:**
   * Test the website’s performance in different languages (Arabic, French, Japanese, UK region), including the correct display of currency, date formats, and content translation.
5. **Accessibility Testing:**
   * Ensure that the website is fully accessible to users with disabilities by testing with screen reader software.
6. **SEO Optimization Testing:**
   * Ensure that the website’s SEO optimizations are working correctly, including meta descriptions and search engine rankings.
7. **Performance Testing:**
   * Test the site’s load time and responsiveness under different conditions (e.g., heavy traffic).
8. **Security Testing:**
   * Ensure that the website follows best practices for data protection, especially for payment details and personal information.

**4.2 Test Deliverables**

1. **Test Cases:** A detailed list of test cases that cover all functional and non-functional requirements.
2. **Test Execution Results:** Documented results of test execution for each test case.
3. **Defect Reports:** A log of any defects or issues found during testing.
4. **Test Summary Report:** A report summarizing the overall testing process, including passed, failed, and blocked tests.

**4.3 Test Execution**

* **Tools and Resources:**
  + Testing tools for automation (e.g., Selenium, Appium).
  + Testing tools for Manual (Excel)
  + Screen reader software for accessibility testing.
* **Test Environment:**
  + Test on different browsers (Chrome, Firefox, Safari, Edge).
  + Test on multiple devices (iOS, Android, Desktop).
* **Testing Timeline:**
  + **Test Planning and Design:** 2 days
  + **Test Case Creation:** 2 days
  + **Test Execution:** 2 days
  + **Defect Fixing and Retesting:** 4 days
  + **Final Report and Sign-off:** 2 days

**Test Strategy for Flight Booking Website**

**1. Introduction**

The purpose of this test strategy is to outline the approach for testing the flight booking website and to ensure all functional and non-functional requirements are verified across various test environments. The website needs to be tested for functionality, usability, compatibility, performance, security, and localization to ensure it meets the required standards.

**2. Test Objectives**

The objectives of this strategy are as follows:

* To ensure that the flight booking website functions correctly.
* To ensure that the site is compatible with all major browsers, devices, and regions.
* To verify that localization and accessibility requirements are met.
* To ensure that the site’s SEO is optimized for better search engine rankings.
* To ensure performance, and usability standards are adhered to.

**3. Testing Types**

**3.1 Functional Testing:**

The core functionality of the website needs to be tested thoroughly. This includes:

* Searching flights
* Booking tickets
* User registration and login
* User profile management

**3.2 Compatibility Testing:**

Ensure that the website performs consistently across various environments:

* **Browsers:** Chrome, Firefox, Safari, and Edge.
* **Devices:** iOS and Android devices.
* **Operating Systems:** Windows, MacOS, Android, iOS.

**3.3 Localization Testing:**

* Verify language settings: Ensure all languages (Arabic, French, Japanese, UK region) are correctly displayed.
* Ensure the correct currency is shown for each region (e.g., JPY, EUR, GBP).
* Ensure proper date and time format based on region.

**3.4 Accessibility Testing:**

* Use screen readers to verify that all elements are accessible.
* Ensure compliance with WCAG 2.1 standards.
* Ensure the site is navigable via keyboard.

**3.5 SEO Optimization Testing:**

* Verify that the website meta descriptions are relevant and optimized for search engines.

**3.6 Performance Testing:**

* Test load times, response times, and site behavior under different loads.
* Stress and load testing to check how the website handles heavy traffic.