**Test Plan: HRS Online Booking Portal**

**Objective:**

Our objective is to ensure the HRS Online Booking Portal meets high standards of functionality, usability, compatibility, and security.

**Test Approaches:**

This test plan covers the following areas:

1. Functional Testing (Smoke and Regression Document)

2. Usability Testing (UI Checks for HRS Website)

3. Compatibility Testing (Browser Compatibility)

4. Security Testing (API Checks Included)

**Test Environment:**

Tests will be conducted on:

* Browsers: Chrome, Firefox, Safari, Edge etc
* OS: Windows, macOS
* Responsive: Desktop, Laptop, Tablet

**Test Cases Design:**

1. Functional Testing: This type of document will have detail cover of all modules of HRS Website. Document design will follow the Headers like “Test Scenarios” and with Actual and Expected Results, we will also include Positive and Negative test cases too to ensure all possible test cases. Below mentioned all possible Test Scenarios as far as we will test:

* Verify the registering and logging for Users  
  > sub module: Forgot Passwords   
  > sub module: Reset Passwords
* Verify the searching for hotels by location, dates, and region, addresses
* Verify the calendar function: Arriving and Departure Dates   
  > Example: Departure Date must not be less than Arrival Date.
* Verify the Reviewing hotel Rooms & Persons Section  
  > Matching the searched results are equally stands.
* Verify the booking and payment processes
* Verify the accessing booking history and managing reservations
* Verify the cancelling bookings and Refunds for Bookings on Change & Cancel
* Verify the Hotel Deals as per fluctuating after booking.
* Verify the contacting customer support 24 \*7 for Happy Customer and Demand Rating
* Verify that User can have Feedback form option on Homepage
* Verify that User can access all hotels on single click on homepage  
  1. Hotels in Great Britain 2. Hotels in Europe 3. Hotels Worldwide
* Verify the Our Product section of HRS
* Verify the Our Services section of HRS
* Verify that User can access the Download Mobile app link on Homepage
* Verify the Hamburger Menu items as per Document and Designs
* Verify that User can change Default language to others from Homepage
* Verify that User can select Currency from list in Homepage setting

2. **Usability Testing:**

* Verify the confirming visibility and consistency of the company logo across the site
* Verify the checking for consistency in design and layout across hotel listings
* Verify the currency Icons UI are as per country Hotels
* Verify the responsiveness of UI elements
* Verify the amenities Icons are visible as per designs
* Verify the Validation popups UI also matched with UI designs

**3. Compatibility Testing:**

* Cross-browser compatibility (Chrome, Firefox, Safari, Edge)
* Compatibility across operating systems (Windows, macOS)
* Compatibility with various screen sizes and resolutions

**4. Security Testing: APIs based**

* Ensuring data is securely transmitted over the internet using HTTPS.
* Protecting against common online threats like SQL injection and cross-site scripting.
* Verifying robust authentication mechanisms to prevent unauthorized access.
* Assessing the secure storage of sensitive user credentials and payment information.
* Validating the accuracy and completeness of responses from the website's behind-the-scenes operations (API responses).
* Ensuring proper error handling to safeguard against leaking sensitive information.
* Identifying and addressing potential security vulnerabilities in the communication between the website and external services (API endpoints).
* Implementing secure protocols, such as OAuth, for safe user authentication.
* Testing the website's ability to securely handle user data during interactions with other systems.

Example: Postman

**5. Test Execution: Automation Testing**

* Test cases will be manually executed on different browsers, operating systems, and devices.   
  (Both manual and automation)
* Automated testing: Using Selenium and Libraries, POM, Test Suits, Test Framework Design
* Multiple iterations will be conducted to address identified issues: Using Jenkins

**6. Defect Management: JIRA Tool**

* When we find something wrong, we'll write it down, including how serious it is, what happened, and how to make it happen again. If it helps, we'll also include pictures.
* We'll keep track of these issues in a special system so we can keep an eye on them and make sure they get fixed as we go along.

**7. Conclusion:**

Our aim with this test plan is to ensure the HRS Online Booking Portal delivers a top-notch experience for users. From smooth functionality to user-friendly design and robust security measures, we're committed to ensuring every aspect of the portal meets the highest standards.

By combining manual and automated testing methods, we'll thoroughly examine every feature and scenario to address any issues and deliver a seamless booking experience. With our focus on user satisfaction and attention to detail, we're confident in providing a reliable and enjoyable platform for booking accommodations.