Hotel Booking System

Manual Test Summary Report

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1. Purpose

This document summarizes the functional and non-functional testing activities performed against the hotel booking system to assess the readiness for production. It also documents the gaps and recommendations for any further testing. Three sessions of one hour each were performed to carry out the manual testing. Each session was focused on one particular type of testing.

2. Application Overview

Hotel Booking System is a simple system to make and remove a hotel booking for given customer information. It also lists all the bookings have done so far in the system. System consists of one page Hotel Booking Form which can be accessed via url hotel-test.equalexperts.io

3. Testing Scope

a. In Scope

- Basic functional testing of Hotel Booking Form web page accessible via url hotel-test.equalexperts.io using
  - Boundary Value Analysis techniques
  - Equivalence Partitioning
- Basic Security testing for following OWASP vulnerabilities
  - Security Headers
  - CSRF/Captcha
  - Cross Site Scripting
  - Internal files scanning
- Cross Browser Testing for
  - Firefox
  - Chrome
- Limited load testing using JMeter

b. Out of Scope

- Performance testing with response time measurements is not done for this web application
- Extensive Security Testing for top 10 OWASP vulnerabilities including SQLi is not performed
- Usability Testing

c. Items not Tested

While doing exploratory and security testing, following information is revealed however these are not further tested and may warrant additional testing of APIs.

- hotel-test.equalexperts.io/booking -> prints json data with booking ids
- hotel-test.equalexperts.io/script.js -> reveals APIs being used for adding and deleting of booking.

4. Test Cases and Related Documents

- Following documents can be found at https://github.com/iahmad9/hotelbooking-tests under 'manual' folder
  - Manual Test Cases and Results.pdf
  - JMeter test plan file EE_HOTEL_BOOKING_APIS.jmx
  - This summary report

5. Metrics

a. Number of exploratory test cases planned vs number of test cases executed
b. Number of test cases passed and failed

Test Cases Planned	Test Cases Executed	Test Cases Passed	Test Cases Failed
14	14	7	7

c. Number of defects found along with severity

Category	Critical	Major	Medium	Low	Total
Functional Issues	1	1	1	0	3
Security Issues	1	1	1	0	3
Total	2	2	2	0	6

Defects' listing, severity and status can be found on github at https://github.com/iahmad9/hotelbooking-tests/issues

6. Types of Testing Performed

a. Functional Testing
b. Security Testing
c. REST APIs Load Testing

7. Test Environment and Tools

    a. Application at URL: hotel-test.equalexperts.io
    b. Host Machine: macOS High Sierra
    c. Chrome Browser version 66.0.3359.181 (Official Build) (64-bit)
    d. Firefox Browser version 60.0.1 (64-bit)
    e. Apache JMeter version 4.0

8. Recommendations

It is recommended that further security and functional testing should be performed on subsequent builds. It is also recommended that web application should implement the security headers and should acquire the appropriate certificates before going live.

9. Sign Off

As there are many critical and major severity issues present and yet to be fixed. For this reason application is not ready for production and should be thoroughly re-tested for above reported issues and regressions on new build. Product is not ready to go live.