**Functionality Requirement Document**

Display total amount and charges per night for 3 holiday homes:   
1. For 4 people in Nairobi from 15th Dec-2020 to 20th Dec-2020   
2. Sort the list with highest traveler rating on top.   
3.  Holiday home should have elevator/ List access.   
(Suggested Site: tripadvisor.in however you are free to choose any other legitimate site)

**Project: Holiday Home Booking on TripAdvisor**

**Objective:**

Required to get a list of 3 holiday homes in excel sheet using selenium from TripAdvisor for 4 people in Nairobi, from 15 Dec 2020 – 20 Dec 2020 having an elevator/Lift access.

The list is to be sorted by highest rating on top.

**System Requirements:**

* 32/64-bit operating System
* JDK/JRE(Eclipse)
* Selenium Web Drivers
* Maven
* TestNG
* Apache POI

**Types of Users:**

* Guest Users
* Registered Users
* System Admin

**Roles:**

* A guest user can check out all the hotels when entered the details which include dates to stay, number of people and price. They cannot book the hotel until registered.
* A registered user can look through all hotels according to their requirements and can book the hotel they want.
* A System Admin can access all the website has to offer. They have all the controls including adding, deleting and updating information about the hotels. They can also look through user suggestions and make the website more user friendly.

**Modules:**

1. **SignIn:**

Using this option user can sign into the online hotel booking application. By signing in user will be able to navigate the appropriate home page.

This module contains three options for signing in. For example, user can sign in using Google, Facebook or email.

* SignIn from Google or Facebook- The user should contain an account from google or Facebook.
* SignIn from Email-
* Email in proper format [abc@xyz.com](mailto:abc@xyz.com)
* User should be registered
* In case a user does not remember the password, they can go for Forgotten Password
* Unregistered user can Sign up, by entering proper details containing a mail id and creating password of minimum length of 8 characters.

1. **Home Page:**

* The home page is the first page a user sees when opened the website. It contains different modules including Hotels, Things to Do, Restaurants, Flights, Cruises, Holiday Homes etc.
* Contains link to signup module.
* Can search for what is required from the search bar.
* Can also post stuff or write a review from the Post Module.

1. **Alerts:**

* You can get an alert only when you are a registered user.
* Alerts include next destination or discount holiday etc.
* Here you can sort the alerts by newest one or unread or inquiries.
* You can also archive the alerts using archive option.

1. **Restaurants Page:**

* You can select any city where you want to book restaurant.
* Here you will get all the suggested restaurants of that city.
* On that page you can check any number of establishment type, restaurant features, meals, reservations, price, cuisines, dishes etc.
* You have an option to view the hotel on map.

1. **Insurance:**

* Here you will get can option to protect yourself.
* You can also access your plan here.

1. **Trips:**

* In this you can save your trips that is you can save your trips where you want to travel in         future.
* You can share your public as well as private trips.
* You have option for all trips.

1. **Holiday Homes page:**

* The Holiday Home page asks for the City for the hotel to be booked. The City should be the part of database and should contain only alphabets.
* The user is asked to enter the Check-In and Check-Out Dates. The Check-In and Check-Out Dates can be selected from the Drop-Down box. The Check-Out date entered cannot be lower than the Check-In date.
* The number of people staying is entered in numeric format. (Not Mandatory)
* The number of bedrooms and bathrooms a holiday home should have should also be entered in numeric format. (Not Mandatory)
* This will open top recommendations.
* Selection of budget can also be done from the slider provided at left side of the page. It generally starts from 0-1000+
* The various homes for rent provided have all its amenities listed, the amenities which are mandatory to a particular user can be ticked from the check boxes provided.
* Similarly, the property type (E.g. Apartment) and distinctive Feature (E.g. Housekeeping) can also be selected from the checkboxes.
* The Holiday homes can be viewed through google maps also.

1. **Book Now Page**

* After selecting a flat or house of choice, a person is asked to **Book Now.**
* After selecting the Book Now option, the page leads to owner information of the particular house.
* Here, the user is required to fill in the dates of choice from the Drop-down box.
* This page also contains Pictures, Reviews, Amenities, Rules, Availability and Map of where it is located.
* You can also send message to the owner after signing in.
* Now we can Click on the book now button.

1. **Secure Booking Page (Payment Page)**

On this page you are required to enter details of the user

* The information includes:
* Name – Enter Full name in String format, Maximum length: 70
* Phone Number – Specific Country Code which includes + at beginning followed by phone number of 10 digits
* Email – Proper Email format [abc@xyz.wdf](mailto:abc@xyz.wdf)
* Personal Message to owner – Text box where you can write anything to owner.

* A user can select payment option regarding Credit Card or PayPal.
* Credit Card User Details: The Credit Card can be MasterCard, Visa, American Express type
* Name on the Card – Should have the proper name as mentioned in the card
* Credit Card Number – Length: 13-16-19, Type: Numeric, Unique for a particular user
* Expiration – Month: From Drop-down contains two numerals based on month
* Year: From Drop-down contains four numerals
* Security Code – CVV printed at the back of the credit card, 3 numerals
* Country – String based on the credit card issued country

* If Click through PayPal, it will redirect to PayPal site.
* After entering the payment details, we can finally book.
* Once the booking is done user gets the confirmation of Booking on Email and message.