SOFTWARE TEST DIRECTION

GULLEVER website

Team Members

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1. INTRODUCTION

1.1. PUPOSE

The purpose is to outline the Quality Assurance strategies, methodologies, and standards for the Gulliver.com website. It aims to ensure that the website provides an optimal user experience, with a focus on functionality, performance, usability.

1.2. Scope

The project not covers the entire Gulliver.com website, but it's include the f

- User account creation, management, and authentication processes.
- Accommodation search, booking, and cancellation functionalities.
- Flight search and booking functionalities.
- Car rental services search, booking, and management.

- User interface (UI) and user experience (UX) across desktop and mobile platforms.
- Payment processing.
- Integration with external service providers (e.g., hotels, airlines, car rental companies).

2. OVERVIEW

2.1. Background

Gulliver refers to the process of reserving or securing a service, accommodation, ticket, appointment, or any other resource in advance. It typically involves selecting a specific date, time, and sometimes location for the desired service or item. The purpose of Gulliver is to ensure availability and streamline the process, allowing individuals to plan and organize their activities efficiently. Whether it's booking a hotel room, a flight, a restaurant table, or an event ticket, the practice has become commonplace in various industries, facilitated by online platforms and reservation systems that make the process convenient and accessible to a global audience.

2.2. Goals

The primary goals include:
- Ensuring the website's functionalities work as expected without errors.
- Guaranteeing the website's compatibility across different browsers.
- Improving the overall user experience, focusing on ease of use, accessibility, and satisfaction.

2.3. glossary

- **reserve**: Book a hotel or a place to stay from the website by entering details and making the order, which means confirmation of the place of accommodation.

- **review**:This is a rating mechanism for the accommodation according to the stay there and to provide an answer to the future guests of the place, which facilitates various important parameters for those interested in booking a vacation.

- **filter**:It is a search mechanism when it contains parameters from all kinds of points that can help and insist on the types of accommodation that a user is interested in.

- **sort**:Sorting is a booking tool that helps in the search to sort the accommodations according to price or distance or ratin

3. TEST STRATEGY

3.1.   Test Tree

A) Functional tests 1)
   Login page:
- Login with an existing username.
  -Login with an existing username and a valid password.
  -Login with an existing username and an invalid password.
- Login with a non-existing username.
- New customer login.
1. Logging in with a connected account -Consent to verify approval of terms of use.
  -View the full terms of use.
  -Navigation on the Terms of Use page.
  -Closing the terms of use page
2. Logging in with an offline account.
  -Consent to verify approval of terms of use.
  -View the full terms of use.
  -Navigation on the Terms of Use page.
  -Closing the terms of use page.

2) Packages page:
- Choose city.
  -variety city chooses.
  -see other cities from table.
  -choose an disaple package or not.
- Select future packages.
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3)Categories Page:
- Accommodation categories.
  1. Search for accommodation by location.
  a.Search by check-in and check-out date.
  i.Search by the number of rooms.
  -Search by the number of people.

  2. Search by country name.

    a.   Search by check-in and check-out date.

        i.Search by the number of rooms.

           -Search by the number of people.

        3.   Search by a specific area.

    a.   Search by check-in and check-out date.

        i. Search by the number of rooms.

           -Search by the number of people.

        4.   Search within your vicinity.

    a.   Activate geolocation on the device.

        i.Search by the number of rooms.

           -Search by the number of people.

    5.   Activate geolocation on the device is not enabled.

- Car Rental category.
  1. Search by pickup points.

        a.   Choose car size.

        -Limited travel range.

        -Unlimited travel range.

        b.   Sort by car types.

        -Limited travel range.

        -Unlimited travel range.

      c.   Check return of the car to the same

       location.   -Limited travel range.

        -Unlimited travel range.

    2. Search by driver age.

      a.Choose car size.

      b.Sort by car types.

      c.Check return of the car to the same location.

4) Product page
- Hosting Categories
  1. Selection of Room Quantity

        -Quantity greater than the number of guests -Number of available rooms in the guesthouse.

    2. Selection of Room Types.

        -Room with a balcony.

        -Room without a balcony.

        -Room with a view.

           i.Sea view.

        ii.Mountain view.

        -Room without a view.

-Smoking allowed room.

-Non-smoking room.

3. Service Selection.

-Breakfast included.

-All-inclusive.

-Transfers from and to the airport.

- Flight Category:
    1. Package Selection.

        -Flight with a meal.

        -Flight without a meal.

        -Economy class.

        -Business class.

        -First class.

    1. Driver's Age.

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-
-
     Age over 21.
     Is the location close to the airport.
     Rental place working hours.

2. Returning the Car to a Different Location.
   - Is the location close to the airport.
   -Rental place working hours.

- Attractions Category.
    1. Attraction Selection.
       -Type of attraction.
       -Attraction payment.
       -The number of participants is limited.

5) Order Update:
   - Cancel with a full refund.
       1. Refund to credit card.
          -Checking that the transaction was successful.
          -Executing cancellation before canceling the payment.
          -Receiving confirmation email after the credit.   -After
       the money has been credited, transfer of booking cancellation
       to the accommodation.

       2.Refund as a coupon
          -Executing cancellation before cancelling the payment.
          -Receiving confirmation email after the credit.
          -After the money has been credited, transfer of booking
   cancellation to the accommodation.

   - Cancel without a refund.
          -Receiving confirmation email after the cancellation. -After
          the credit, transferring the cancellation of the reservation
          to the accommodation place.

   - Order Modification.
       1. Changing the reservation date.
       2. Adding parts to the order - number of people.
       3. Changing the names of the guests.

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6) Filter.

- Filter results on the homepage for valid values entered in the filter.
  - -How many stars the guest house has.
  - -Rating above 7.
  - -Rating above 8.
  - -Distance of 1 km from the center.
  - -Pool.
  - -Private pool.
  - -Large rooms.
  - -Bathroom with a bathtub.   -
  Flexible check-in hours.
  - Flexible check-out hours.
  - Spa center at the accommodation.
  - Breakfast included.
  - -All-inclusive.
  - -Free Wi-Fi.
  - -Free parking.
  - -Parking.
  - -Private beach.
  - -Kitchen/kitchenette.
  - -Coffee and tea maker.
  - -Preferred area.

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B)   **Non-Functional Tests**

- ● Upgrade & Installation Tests:
1. Compatibility Testing:
   - ● Verify that the new version or upgrade is compatible with different browsers, devices, and operating systems.
   - ● Ensure compatibility with third-party plugins or integrations that the Gulliver website relies on.
2. Functionality Testing:
   - ● Test all existing features to ensure they continue to work as expected after the upgrade.
   - ● Conduct regression testing to identify and address any unintended side effects.

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3. User Interface (UI) Testing:
    - Confirm that the user interface elements, styles, and layouts remain consistent with the design after the upgrade.
    - Test for any UI issues, such as alignment problems or broken elements

4. Installation Process:
    - Test the installation process of the new version, ensuring it is well documented and easy to follow.

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  Verify that the installation process does not lead to unexpected errors or system conflicts.

5. Compatibility with Existing Systems:
   - Confirm that the new version can be installed on the existing infrastructure without compatibility issues.

6. Post-Installation Checks:
   - Conduct post-installation checks to verify that the system is running smoothly after the upgrade.

- ## Recovery Tests:

1. Network Failures:
   - Connection Interruption: Simulate network failures and interruptions to ensure that the Gulliver website can handle temporary loss of connectivity and recover when the connection is restored.

2. Software and Application Failures:
   - Application Crash and Recovery: Simulate a crash of the Gulliver application and ensure that it can restart without affecting ongoing transactions or data integrity.

- ## Localization & Globalization testing:

1. Language Support:
   - Translation Accuracy: Verify that all text and content, including menus, buttons, error messages, and help documentation, are accurately translated into the target languages.
   - Multilingual Content: Ensure that the Gulliver website can support multiple languages simultaneously.
   - Language support: Check that the layout and content of the site are displayed correctly for languages that are read from right to left or left to right.

2. Date and Time Formats:
   - Localized Date and Time Display: Confirm that date and time formats adhere to regional preferences.
   - Time Zone Handling: Verify that date and time values are displayed and stored correctly based on the user's selected time zone.

3. Currency and Number Formats:
   - Localized Currency Display: Ensure that currency symbols, formats, and decimal separators match the conventions of the user's region.
   - Number Formatting: Verify that numbers are formatted appropriately based on regional preferences.

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4. Address and Contact Information:

- Localized Address Formats: Confirm that address formats align with the expectations of users in different regions.

  Phone Number Formats: Validate that phone numbers are formatted according to regional conventions, including country codes.

- ## Usability Testing:

1. Navigation and Layout:

   - Test the intuitiveness of the website's navigation structure.
   - Ensure that important features, such as searching for accommodations, selecting dates, and making reservations, are easily accessible.
   - Evaluate the layout to ensure a clean and user-friendly design.

2. Booking Process:

   - Test the entire booking process, from selecting dates to confirming reservations.
   - Verify that the steps are clear and users can easily understand how to proceed.
   - Check for any unnecessary or confusing steps that may hinder the booking process.

3. Search:

   - Test filters and sorting options to ensure users can refine their search results based on preferences.

4. Calendar and Date Selection:

   - Check the usability of the date selection feature, ensuring it's userfriendly and supports different date formats.
   - Confirm that users can easily switch between months and years in the calendar.

5. User Registration and Login:

   - Assess the ease of user registration and login processes.
   - Verify that password recovery options are available and straightforward.

- ## Compatibility Testing:

1. Browser Compatibility Testing:

   - Test the website on popular web browsers such as Chrome, Firefox, Safari, Edge, and Internet Explorer.
   - Verify that the website functions correctly, and the layout remains consistent across different browsers.

2. Device Compatibility Testing:

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    - Test the website on various devices, including desktops, laptops, tablets, and smartphones.
    - Ensure that the website is responsive and adapts to different screen sizes, resolutions, and orientations

3. Operating System Compatibility Testing:
    - Verify that the Gulliver website is compatible with different operating systems such as Windows, macOS, Linux, Android, and iOS.
    - Check for any OS-specific issues that may affect the functionality or appearance of the website.

4. Mobile Compatibility Testing:
    - Test the website on a variety of mobile devices with different screen sizes and resolutions.
    Ensure that mobile-specific features, such as touch gestures, work as intended.

5. Offline Mode Compatibility:
    - If the website supports offline functionality, test its compatibility with different browsers and devices when operating in offline mode.

4. **TRACEABILITY**

Parent requirements	child requirements	explanation function	script	tax	test case	purpose
Reservation of accommodation	room reservation	This function allows the user to book accommodate anywhere	1	If I chose a room from a certain hotel and clicked time then the order will be sent	#REF!	The goal is to allow the customer to choose a hotel room
	Ordering a bed in a room		2	If I chose a single bed and clicked the time, then the order will be sent	#REF!	The goal is to allow the customer to choose a bed in the room
	booking an apartment		3	If I chose a whole apartment and pressed the time, then the order will be sent	#REF!	The goal is the goal is to allow the customer to choose an entire apartment
	Booking a private house		4	If I chose a private house and pressed the time, then the order will be sent	#REF!	The goal is to allow the customer to choose a private house
Flight page	Choose flixeple	This function allows the user to choose how to flight dates abd what important then	5	If I clicked on a choose flixeple they will go to dates with hiw much	#REF!	The goal is to allow the user to make a voice call with one contact
	Choose specific fkight		6	If I clicked on specific dat they will give atable to choose dates after that how much will be	#REF!	The goal is to allow the user to choose which method he would like to flight
Category selection	Choice of accommodation	This function allows the user to order what he needs	7	If I clicked on the hotel icon, then it goes to search for a place to stay	#REF!	The goal is to allow the user to make a video call with one contact

	Flight choice		8	If I clicked on the airplane icon, we will go to search for flights	#REF!	The goal is to allow the user to order what he is looking for
Rating Page	Rate the location	This function allows the user to rate and help others choose	9	If I clicked on rating a location a page would appear asking from 1 to 10 how good it was	Viewing personal status	The goal is to allow the user to make a video call with one contact
	Rate the service		10	If I clicked on service rating a page would appear asking from 1 to 10 how good it was	Viewing place status	The goal is to allow the patient to see other opinions about the service