Assignment

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# Task 1. “Finding bugs in the test version of the portal”

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Bug No. | Description | Severity | Steps To Reproduce | Actual Result | Expected Result |
| 1001 | No hotel results are available on increase distance on the hotel result page | High | 1. mainpage->Hotel->input destination, entry date,exit date, adults, zimmer. 2. Enter suche Angebot 3. On the result page change the distance for the predefined to the from zentrum 0 to 15Km . 4. Watch glass keep on rotating . 5. No hotel results available. |  | List of hotels from zentrum to the given distnace should be visible. |
| 1002 | Services-German Travel Card option is not working. | Medium | 1. From the hotel booking pge. 2. Go to Services. 3. Under services select ->German Travel Card option. 4. Portal reaches to the blank screen. |  | German Travel card service should work . If the service is unavailable, the portal should gracefully exit. |
| 1003 | Invalid destination selection as per user input | Medium | 1. Goto to <https://tester.ab-in-den-urlaub.de> 2. Select Pauschalreise 3. Under Reiseziel[First Input box], type New Delhi. 4. Click enter. | Results displayed for hotels are of New York not of New Delhi. | New Delhi hotels should be visible. |
| 1004 | Invalid message on increasing number of adults. | Low | 1. Book a hotel . 2. Select zimmer 3 . 3. Now increasing number of adults to 6. | For more rooms contact via phone. | On increasing number of person. It should suggest for group booking. |

# Task 2. “Automated tests project structure”

I have used task 2 structure for the implementation of task 3.

* Please refer: <https://github.com/sapnamadaan/invia>

# Task 3. “Automated tests project structure”

* Due to the time constraint I have not utilized the test structure completely [for now, used hard coded values as input] but I have good understanding on how to move test flow .So that the test base become reusable and easy to extend.
* Please use ClientTest.java for the given scenario run.
* Please refer: <https://github.com/sapnamadaan/invia>

# Task 4(A). “Speaking about https://www.ab-in-den-urlaub.de portal, what would you include in regression tests?”

I would like to divide the regression in three categories.

* Sanity test regression [smoke test cases].
* Short Regression
* Long Regression test.

**In Sanity test**, I would like to place basic set of test scenarios. Which

* Make sure that the basic functionality [simple Hotel booking use case] is
* Working in all circumstances.
  + For e.g. If the developer adds some code in code base. This basic sanity test
* Case would ensure that the portal is working fine and there are no changes
* Which impact its basic functionality .
* This sanity test, I would like to handover to the other teams for the
* Continuous integration process team, dev ops team.
* This sanity test, I would recommend to others testers for checking the load or stress testing.
* This Sanity test, I would like to recommend for the integration testing.
* This Sanity test, I would like to recommend for the other teams who are
* Performing for locale checks or for other purpose.
* (II) Short regression test would include test scenarios specific to the different functionality check.
* For, the given portal, below use cases can be implemented.
* Flug booking
* Hotel Booking
* Urlaub reisen
* Lastminute
* Flug and Hotel Mixen
* Kurzurlaub
* Ferien Wohnung
* Deals
* magazin

**In Long Regression test** would cover all the scenarios which would have all the combinations of input for a specific use. E.g. for hotel booking use case.

* Testing Hotel booking with different inputs e.g.:
  + Field validation
  + Error message for wrong input
  + Optional and Mandatory fields
  + Internal Links
  + External Links
  + Mail Links
  + Broken Links
* Focus on ratings
* Focus on review

# Task 4 (B). “What kind of security, performance and load tests you would suggest for the portal?”

**For Security Test**, below tests are recommended

* Password Cracking
* URL Manipulations [ HTTP GET Methods]
* SQL Injections test
* Performing cross site scripting.
* Cookies testing
* Test the CAPTCHA for automating script logins.

**For Stress** **Test**, below tests are recommended

* Code coverage testing
* Multiple browser testing
* Scalability test
* loader.io test for concurrent user test.
* Cross browser testing

**For Load testing,** below tests are recommended

* Load testing using Selenium Grid.
* Load testing using Jmeter.