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|  | SMART TRAVEL GUIDE FOR VITIANS |
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| 10/30/2017 | PROJECT REPORT |
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SMART TRAVEL GUIDE FOR VITIANS

PROJECT REPORT

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| **NAME** | **REGNO** |
| **G.SAIVARUN** | **15MIS0385** |



**FACULTY NAME:**

**M.IYAPPARAJA**

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9. **PURPOSE:**

In this project we have developed and executed the test cases for various modules using black box testing to the “**SMART TRAVEL GUIDE FOR VITIANS”.** The test cases have been executed using the selenium test case tool.

1. **APPLICATION OVERVIEW:**

“**SMART TRAVEL GUIDE FOR VITIANS”** is a web based booking application. Tickets for various trips can be booked using the online facilities. Real time passenger information is received from a ‘Central repository system’, which will be referred before booking is confirmed. There are several modules like Login, Booking, Add user and Add category which are integrated to fulfill the purpose.

1. **TESTING SCOPE:**
2. **IN SCOPE:**

Functional testing for the following modules are in scope of testing

* Login
* Booking
* Add user

1. **OUT SCOPE:**

Performance Testing was not done for this application.

1. **ITEMS NOT TESTED:**

Verification of connectivity with the third party system ‘Central repository system’ was not tested, as the connectivity could not be established due to some technical limitations. This can be verified during UAT (User Acceptance Testing) where the connectivity is available or can be established.

1. **METRICES:**
2. **No of test cases planned vs executed**
3. **No of test cases passed/failed**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test cases** | **Test cases** | **TCs** | **Tcs** |
| **planned** | **executed** | **Pass** | **Failed** |
| 46 | 46 | 44 | 02 |

1. **No of defects identified and their status & severity**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Critical** | **Major** | **Medium** | **Total** |
| **Closed** | 0 | 0 | 0 | 0 |
| **Open** | 0 | 2 | 0 | 5 |
|  |  |  |  | 05 |

1. **Defects distribution – module wise**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Login** | **Booking** | **Add user** | **Total** |
| **Critical** | 0 | 0 | 0 | **0** |
| **Major** | 0 | 2 | 0 | **2** |
| **Medium** | 0 | 0 | 0 | **0** |
| **Total-->** | **0** | **2** | **0** | **2** |

1. **Types of testing performed:**
2. **DECISION TABLE TESTING**

Decision Table Testing is a good way to deal with a combination of inputs, which produce different results. It helps reduce test effort in verifying each and every combinations of test data, at the same time ensuring complete coverage

1. **BOUNDARY VALUE ANALYSIS(BVA)**

Boundary value analysis is another black box test design technique and it is used to find the errors at boundaries of input domain rather than finding those errors in the center of input.

Equivalence Partitioning and Boundary value analysis are linked to each other and can be used together at all levels of testing. Based on the edges of the equivalence classes, test cases can then be derived.

1. **STATE TRANSITION TESTING**

State Transition testing, a black box testing technique, in which outputs are triggered by changes to the input conditions or changes to 'state' of the system. In other words, tests are designed to execute valid and invalid state transitions.

1. **TEST ENVIRONMENT AND TOOLS**

|  |  |
| --- | --- |
| APPLICATION URL | localhost/Travel, localhost/Travel/Admin |
| APPS SERVER | **XAMPP** |
| DATABASE | **MY SQL,APACHE** |

1. **EXIT CRITERIA:**

* All test cases should be executed – **Yes**
* All defects in Critical, Major, Medium severity should be verified and closed – **No**
* Any open defects in trivial severity – **Action plan prepared with expected dates of closure.**

1. **CONCLUSION:**

As the Exit criteria was met and satisfied as mentioned above, this application is suggested to ‘Go Live’ by the Testing team. Appropriate User/Business acceptance testing should be performed before ‘Go Live’.