## **Introduction**

Testing is a process of executing a program with the aim of finding error. To make our software perform well it should be error free. If testing is done successfully it will remove all the errors from the software.

## **Principles of Testing**

* All the test should meet the customer requirements.
* To make our software testing should be performed by third party.
* Exhaustive testing is not possible. As we need the optimal amount of testing based on the risk assessment of the application.
* All the test to be conducted should be planned before implementing it.
* It follows pareto rule (80/20 rule) which states that 80% of errors comes from 20% of the program components.
* Starts test with small parts and extend it to large parts.

## **Black box Testing**

It is a [software testing method](http://softwaretestingfundamentals.com/software-testing-methods/) in which the internal structure/design/implementation of the item being tested is not known to the tester. These tests can be functional or non-functional, though usually functional.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.N No.** | **Testcase** | **Expected result** | **Actual result** | **Pass/Fail** | **Action** | **Conclusion** |
| 1 | Login | By entering username and password, user can access the system | System accessed | Pass | No action | Pass |
| 2 | Register | User can redirect to login after filling details on register page | Login form viewed | Pass | No action | Pass |
| 3 | Book Package | User can book the package | Successfully booked | Pass | No action | Pass |
| 4 | Add Package | Package will be added in database | Package added in database | Pass | No action | Pass |
| 5 | Update Package | Package should be updated in database | Package updated in database | Pass | No action | Pass |
| 6 | Delete Package | Package should be deleted from database. | Package deleted from database | Pass | No action | Pass |
| 7 | Add Hotels | Hotel should be added to database | Display error message | Fail | Fix error message | Fail |
| 8 | Logout | User should be logout from the system | Successfully logout | Pass | No action | Pass |
| 9 | Receipt Generate | User should get receipt after booking package | Receipt successfully received | Pass | No action | Pass |
| 10 | Update Profile | User should be able to update profile. | Profile successfully updated | Pass | No action | Pass |