**Smoke Testing**

* **Build verification Testing**
* **It is done before system testing**

**Formal smoke testing**

In this, the development team sends the application to the test lead. Then the test lead will instruct the testing team to do smoke testing and send the reports after performing the smoke testing. Once the testing team completes the smoke testing, they will send the smoke testing report to the test lead

**Informal smoke testing**

The Test lead says that the application is ready for further testing. The test leads do not specify to do smoke testing, but still, the testing team starts testing the application by doing smoke testing

System Testing

Smoke

Documentation :

Test case

Test data

Test Execution status

Defect log

Build must be stable.

[Apptest.com]

[Login] -------- Build001Login [Single component]

Critical features

[Registration] ---Build002Regs

[Checkin]---Build003CheckIN

[Chekout]---

Documentation:

1.No detailed test cases

2. Check Build stability only

3. Test -case is there. ----

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ModM1ule Name | TestID | TestName | Description | Steps | Status |
| M1 | TC001 | Login | PerformLogin in awesomeqa | Enter  Dee  email , password ,click on | OK/Pass |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|

Defect Log :

* Email
* Defect tracker – Bugzilla , Jira

New

Assigned

Open

Fixed

Reopen

Re assigned

Reopen

Sanity Testing –

Narrow Regression Testing

Build will be retested here to close the defect.

Documentation:

* Smoke Test Case Design
* Quick execution
* Defect tracking
* Defect Log

Smoke testing test cases are high level

Alpha Testing :

* User acceptance testing happening inside the test environment
* Prototype feedback we can use to perform alpha testing.[End Users]

Beta testing :

* Production environment ----

Beta testing :

Documentation:

Check lists

Defect Reports

Load:

Positive load

Maximum limit the server can process. [ 1200]

Stress :

Negative

No of requests must be more than the max limit the server can process.

1210

1230

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Test Execution Phase in STLC :

List of pre-conditions :

* Test Design must be ready with all possible conditions.
* Negative , Positive and Unit Test cases must be ready
* Test Data must be ready with all edge cases and boundary conditions
* RTM

Executing the automation test suite :

Test environment

Test suite must be ready with all respective api , lib , scripts , data , test cases , expected data , validations

Execute the test suite -----

Test Report :

Total Number of test cases available: 350

Total Number of test cases executed : 305

Total number of test cases failed :55

Total number of test cases passed : 250

Application:

Module-1 : A

Module-2 : B

Module-3: C

[Test Execution Process]

Passed ,

, Hold

Differed --- 2 days….