

Cloud Kitchen Summary Report

Contents

<i>Purpose.....</i>	<i>2</i>
<i>Application Overview.....</i>	<i>2</i>
<i>Testing Scope.....</i>	<i>2</i>
<i>Metrics.....</i>	<i>3</i>
<i>Types of testing performed.....</i>	<i>5</i>
<i>Test Environment & Tools.....</i>	<i>5</i>
<i>Lessons Learnt.....</i>	<i>6</i>
<i>Recommendations</i>	<i>6</i>
<i>Best Practices.....</i>	<i>6</i>
<i>Exit Criteria.....</i>	<i>7</i>
<i>Conclusion/Sign Off.....</i>	<i>7</i>
<i>Definitions, Acronyms, and Abbreviations.....</i>	<i>7</i>

1. Purpose

This document explains the various activities performed as part of Testing of 'Cloud Kitchen' application.

2. Application Overview

'Cloud Kitchen' is a web-based cooking application. Orders for various dishes can be booked using the online facilities. Real time cooking and courier information is received from a 'Central repository system', which will be referred before booking is confirmed. There are several modules like Registration, Orders, Payment and Reports which are integrated to fulfill the purpose.

3. Testing Scope

a) In Scope

Functional Testing for the following modules are in Scope of Testing

- Registration
- Creating orders
- Payment

b) Items not tested

-

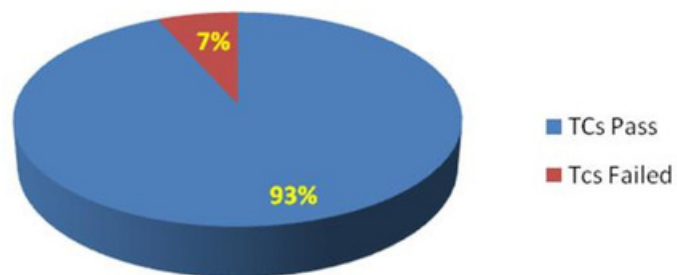
4. Metrics

d) No. of test cases planned vs executed

e) No. of test cases passed/failed

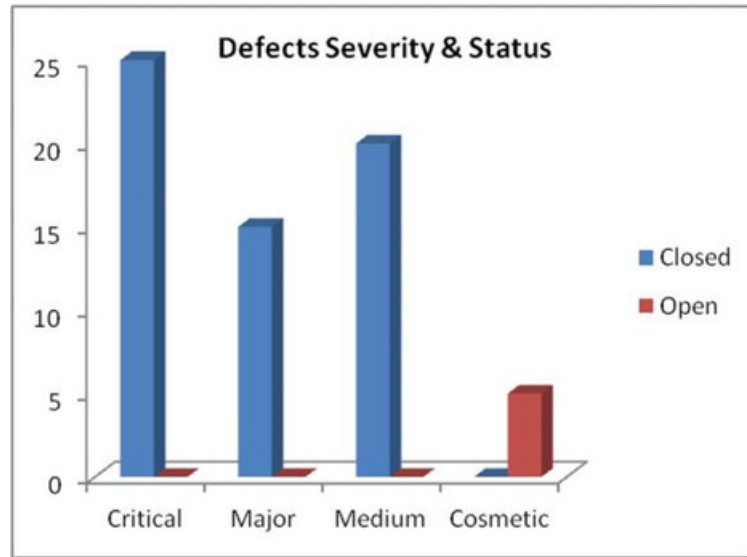
Test cases planned	Test cases executed	TCs Pass	Tcs Failed
80	75	70	5

Test Cases Pass vs Fail



f) No of defects identified and their Status & Severity

	Critical	Major	Medium	Cosmetic	Total
Closed	25	15	20	0	60
Open	0	0	0	5	5
					65



g) Defects distribution–module wise

	Registration	Orders	Payment	Reports	Total
Critical	6	7	5	7	25
Major	4	5	2	4	15
Medium	6	8	2	4	20
Cosmetic	1	2	1	1	5
Total-->	17	22	10	16	65

5. Types of testing performed

a) Smoke Testing

This testing was done whenever a Build is received (*deployed into Test environment*) for Testing to make sure the major functionalities are working fine, Build can be accepted and Testing can start.

b) System Integration Testing

This is the Testing performed on the Application under test, to verify the entire application works as per the requirements. Critical Business scenarios were tested to make sure important functionalities in the application works as intended without any errors.

c) Regression Testing

Regression testing was performed each time a new build is deployed for testing which contains defect fixes and new enhancements, if any.

Regression Testing is being done on the entire application and not just the new functionalities and Defect fixes. This testing ensures that existing functionalities works fine after defect fix and new enhancements are added to the existing application. Test cases for new functionalities are added to the existing test cases and executed.

6. Test Environment & Tools

- *Monitoring Tools: Nagios, Zabbix, Prometheus for hardware; New Relic, AppDynamics for software.*
- *Benchmarking Tools: SPEC CPU for processors, DiskSpeed for storage, Apache JMeter for load testing.*
- *Simulation Tools: MATLAB, Simulink for theoretical analysis.*

Application URL	http://CloudKitchen.com
Apps Server	192.168.xxx.22
Database	Oracle 12g
HP QC/ALM	192.168.xxx.22

7. Lessons Learnt

S.No	Issues faced	Solutions
1	Smoketesting testcases required to be executed manually each time.	Smoke test cases were automated and the scripts were run, which ran fast and saved time.
2	Initially, Few testers were not having rights to change defect status in HP QC/ALM. Test lead need to perform this task.	Rights were obtained from Client, by explaining the difficulty.

8. Recommendations

Admin control for defect management tool can be given to Offshore Test lead/manager for providing access to Testing team. Each time the onsite Admin need not be contacted for requests whenever they arise, thereby saving time due to the geographical time zone difference.

9. Best Practices

Smoke test cases were automated and the scripts were run, which ran fast and saved time.

Automation scripts were prepared to create new customers, where lot of records need to be created for Testing.

Business critical scenarios are separately tested on the entire application which are vital to certify they works fine.

10. *Exit Criteria*

- a)All test cases should be executed–**Yes**
- b)All defects in Critical, Major, Medium severity should be verified and closed –**Yes**.
- c)Any open defects in trivial severity–**Action plan prepared with expected dates of closure.**

11. *Conclusion/Sign Off*

As the Exit criteria was met and satisfied as mentioned in Section 10, this application is suggested to 'Go Live'by the Testing team. Appropriate User/Business acceptance testing should be performed before 'Go Live'.

12. *Definitions, Acronyms, and Abbreviations*

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