**Test Strategy**

<Zomato/Food Delivery>

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# Scope and overview:

Zomato is an online website which provides restaurant search and discovery service. It provides its customers a platform to evaluate choices for great places to eat. Launched in 2010, Our technology platform connects customers, restaurant partners and delivery partners, serving their multiple needs. Customers use our platform to search and discover restaurants, read and write customer generated reviews and view and upload photos, order food delivery, book a table and make payments while dining-out at restaurants. On the other hand, we provide restaurant partners with industry-specific marketing tools which enable them to engage and acquire customers to grow their business while also providing a reliable and efficient last mile delivery service. We also operate a one-stop procurement solution, Hyperpure, which supplies high quality ingredients and kitchen products to restaurant partners. We also provide our delivery partners with transparent and flexible earning opportunities.

# 2. Test Approach:

# In this section, we usually define the following

# Test levels

# Test types

# Roles and responsibilities

# Environment requirements

# Test Levels:

* Component Testing : Testing each modules such as login, registration,Search Filter(whether it is showing correct result or no),food description, Add to cart module, payment module,etc
* Integration testing: Testing the integration between each model such as login page, home page, Add to cart module, payment module etc.
* System testing: Testing the application with the different system.
* Acceptance testing: Testing the acceptance of user in the application.

# Test Types:

For developing this application we need to perform some testing for better quality of a software or a product. The type testing used for this application includes,

1. **SMOKE TESTING**
   * This testing was done whenever a Build is received (deployed into Testenvironment) for Testing to make sure the major functionalities are working fine, Build can be accepted and Testing can start.
2. **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 anyerrors.
3. **RETESTING TESTING**
   * Re-testing is executing a previously failed test against new software to check if the problem is resolved. After a defect has been fixed, re-testing is performed to check the scenario under the same environmental conditions.
   * Retesting ensures that the issue has been fixed and is working as expected.
   * In some cases the entire module is required to be re-tested to ensure the quality of the module.
4. **SANITY TESTING**
   * Sanity testing is done to check the bugs have been fixed after the build.
   * Sanity tests helps to avoid wasting time and cost involved in testing if the build is failed. Tester should reject the build upon build failure.

# 5. Roles and Responsibilities:

|  |  |
| --- | --- |
| **Role** | **Responsibilities** |
| Project Manger | Project managers play the lead role in planning, executing, monitoring, controlling and closing projects. |
| Project Lead | A project leader is a professional who leads people and makes sure a project is carried through. |
| QA | Reviewing quality specifications and technical design documents to provide timely and meaningful feedback. |
| Customer | Customer is role is to registering to the site, browsing site, placing order, making payments. |
| Administrator | They verify and manage the user details, provide rules for transaction, take care of security issues during transaction, they manage all user , product and their order |

# 6. Environment requirements:

# **Hardware requirements:**

* Laptop/PC for Android Application Development.
* Server (Windows 7/8/10 (32-bit or 64-bit)).

# **Software requirements:**

* 4 GB RAM minimum and 8 GB RAM recommended

# 7. Testing tools:

* JIRA

# 8. Industry standards to follow:

* + IEEE- **Standard** for Software **Test** Documentation: This documentation should be follow during developing high quality software. IEEE series defines an internationally-agreed set of standards for software testing of software testing standards.
  + The main purpose of the IEEE series is to provide such guidelines that can be used by any organization when performing any form of software testing.They should follow some documents that documents should provide requirements, specifications, guidelines, or characteristics that can be used consistently to ensure that materials, products, processes, and services are fit for their purpose.

# 9. Test deliverables:

* Test strategy
* Test scenario
* Test cases and test data
* Requirement Traceability Matrix
* Test closure..

# 10. Testing metrics:

* Product Metrics
* Process Metrics

# 11. Requirement Traceability Matrix:

# Requirement traceability matrix is used to trace the requirements to the tests that are needed to verify whether the requirements are fulfilled.

# 12. Risk and mitigation

* + Use secure passwords
  + Payment Security
  + Privacy issues
  + System reliability

# 13. Reporting tool:

# JIRA will be the reporting tool for this project.

# 14 Test summary:

The test strategy document is created for Zomato as per the document content. It needs to be reviewed for sign-off by all entities involved in project management, business team, development team, and system administration (or environment management) team

# 15. Approvals:

The following people are required to approve the Test Strategy

|  |  |
| --- | --- |
| **Approved By Role** | **Approved By Name** |
| Project Coordinator | Anu Meha |
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