Test Plan

Dominos Pizza mobile app for ordering pizza

Prepared By:  
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1.0 Introduction:  
The document will describe the test steps of the whole process of:  
 . A client placing an order for pizza/s.  
. Production of a pizza/s.  
. Delivery of the pizza/s to the client.

. The whole process is done using a mobile application, except the actual cooking of the pizza and the delivery of the product that is done by a motorbike.

-All of the process will be documented in the application and the customer can see in what preparation stage is his product.

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| --- | --- | --- | --- |
| **Version** | **Purpose / Change** | **Author** | **Date** |
| 0.1 | Draft | Krasen Kochev | 16.07.2023 |
| 1.0 | Release |  |  |

Date: [16/07/2023]

-Objectives of Testing:  
The main purpose of the test process is to verify if the product meets defined requirements, make sure reported bugs are properly solved and to report deviations to stakeholders.

The roles in the application can be: Chef, Delivery Worker, Customer.

|  |  |
| --- | --- |
| **Abbreviation** | **Word** |
| CF | Chef |
| C | Customer |
| D | Delivery Worker |

The Testing steps will be:  
Test the process of a C placing an order.  
Test the D giving the order to the CF.  
Test the CF preparing the product.  
Test the D delivering the product to C.  
Test process of refunding the product.

Features of this application:

|  |  |  |
| --- | --- | --- |
| **Module Name** | **Applicable**  **Roles** | **Description** |
| Placing order | Customer | **Customer:** A C can place his order in the application. A customer can have multiple orders. |
| Review Order | Customer  Chef  Delivery Worker | **Customer:** A C can review his order at any time.  **Chef:** A CH can review any order details for the product any time, and if the order is finish or refunded.  Delivery Worker: DW can review any order at any given time. |
| Giving a review for the completed order | Customer | **Customer:** A C can place a review of zero to 5 stars after the order is completed.  **Chef: A CH can view the review of a Customer.  Delivery Worker: A DW can view the review of a Customer.** |
| Refund the product | Customer | **Customer:** A C can change the status of his delivery to “Refunded”.  **Delivery Worker: A DW can accept or decline the status of the delivery to be changed to “Refunded”.**  **Chef: A CF can view the status of the delivery** |
| Change the status of order | Delivery Worker | **Customer:** A C can change the status of order only to “Refunded”  **Delivery Worker:** A DW can accept change the status of delivery to “Refunded  **Chef: A CF can view the status of the delivery** |
| Create new account | Customer | **Customer: A C can create new account**  **Chef: A CF can create new account**  **Delivery Worker: A D can create new account** |
| Change Password | Customer | **Customer: A C can change his password**  **Chef: A CF can change his password**  **Delivery Worker: A D can change his password** |
| Edit Account | Customer | **Customer: A C can edit his account.**  **Chef: A CF can edit his account.**  **Delivery Worker: A D can edit his account.** |
| Delete Account | Customer | **Customer: A C can delete his account.**  Chef: a CF cannot delete his account.  Delivery Worker: A D can delete his account. |

3.Scope:  
The scope of this project is limited to the testing of the features described in the previous section of this document.

Non-functional testing like stress,performance is beyond scope of this project is not included.

Automation testing is Included.

Unit testing is Included.

Functional testing and interface testing are in scope and need to be tested

The mobile application will be only compatible with only Android version 6.0 and above.

3.1 Out of Scope:

Time scales  
Effort  
Cost

4.Testing Strategy:

The testing will be conducted and using Agile Scrum strategy, and will be conducted using multiple sprints.

4.1.

Unit testing will be conducted by the developers.  
The unit tests will be written by the development teams and the minimum criteria for successfully passing will be a coverage of 80% and a success rate of 100%.

4.2

The automation of the test process will be handled by the automation Quality Assurance Team and will be implemented in all of the stages of the application development.

4.3

The front – End details of the application needs to be tested by the QA team, as a role of a “Customer” , “Chef” and “Delivery Worker”, and the access and right of each of them needs to correspond with the requirement that is described in “Features of this application”  
4.4  
System and Integration Testing – The QA team will conduct the testing, and will collaborate with the development team.  
4.5  
User Acceptance Testing – a part of the stakeholders and family members of them will conduct the Alpha and Beta Testing of the application.

5.0 Hardware Requirement:

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| --- | --- | --- |
| **OS** | **Device Type** | **Size (responsive design)** |
| Android 5.0 | Samsung S5 | mobile |
| Android 6.0 | POCO 4 | mobile |
| Android 9.0 | Motorola Me | mobile |

6.0 Testing Tools:

|  |  |
| --- | --- |
| **Tool** | **Purpose** |
| [Cypress](https://www.cypress.io/) | UI automation |
| [Postman](https://www.postman.com/) | Application Program Interface(API) tests |
| [Jest](https://jestjs.io/) | Frontend unit tests |
| [Node Tap](https://node-tap.org/) | Backend unit tests |
| Jira | Project and defect tracking tool |
| Selenium WebDriver | Development of automated test scripts |

7.0 Exit Criteria:  
**Run** rate is mandatory to be **100%  
Pass** rate is **80%,** achieving the pass rate is **mandatory**

All critical and high severity defects must be fixed and retested. Low severity and trivial defects must either be fixed or documented as known issues with their corresponding workarounds.  
  
Test cases related to critical functionalities should pass 100%. For less critical functionalities, an agreed upon pass rate (80%) should be achieved.

The test coverage must meet the threshold set in the Test Plan,  minimum 90 % of functional requirements.

The website must pass the User Acceptance Testing where a group of end-users use and validate the functionalities of the website. The UAT must not identify any new critical or high severity defects.

All testing activities must be thoroughly documented. This includes executed test cases, identified defects with their status, and test summary reports. Additionally, a final test summary report should be prepared highlighting the overall quality of the product, any outstanding defects, and recommendations for the next steps.

8.0 Test Schedule:

|  |  |  |  |
| --- | --- | --- | --- |
| **First Name** | **Second Name** | **Responsibility for test** | **Date/Time** |
| Rositca | Rosirova |  |  |
| Diana | Dianova |  | Each Friday, 10.am to 12a.m. |
| Elena | Elenova |  |  |

9.0 Control Procedures:

The bug reporting and tracking will be documented with Jira, and correspondence between the development team, Quality Assurance Team and the Stakeholders will be done using the public work e-mails of the mentioned parties.  
  
11.0 Approvals:

|  |  |  |
| --- | --- | --- |
| **First Name** | **Second Name** | **Signature** |
| Pesho | Ivanov |  |
| Dinko | Dinkov |  |
| Obi One | Kenobi |  |
| Mohhamed | Mohhhhamad |  |