

# Test Plan for Online Food Ordering System



Change Date	By	Description

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## Introduction

The test plan is designed to specify the scope, approach, resources and schedule of all testing activities in the My Kitchen online food ordering system project.

According to this test plan going to identify the items and features to be tested, the types to be tested, the people responsible for the test, the resources and schedule required to complete the test, and the risks associated with the plan.

## 1 Test Strategy

### 1.1 Scope of Testing

#### 1.1.1 Features to be tested

Module Name	Applicable Roles	Description
View order details	Manager, Customer	Customer : He can view his order details Manager : He can view all customers order details
View cart	Manager, Customer	Customer : He can view his own cart Manager : He can't view any one carts
Add new food items	Manager	According to his opinion he can add new food items
Delete food items	Manager	According to his opinion he can delete food items
View customer details	Manager	He can view registered customer details
Login to the system	Manager, Customer	Customer : By giving his username and password he can login Manager : By giving his username and password he can login
Create new account	Customer	By giving his personal details he can create new account for signup to the system
View food list	Customer, Manager	Customer : Only registered customer can view the food list Manager : Manager can always view food list
Make orders	Customer	He can make his order
Give feedback	Customer	He can give comments as his wish
Change order of the shopping cart	Customer	He can change his shopping cart within one hour
Approve/Reject order	Manager	He can approve or reject any customer order
Add payment details	Customer	He can add master or visa card details
Pay for orders	Customer	He can pay via online

### 1.1.2 Features not to be tested

There are some requirements are not included in the software requirements specification and will not be tested

- User Interfaces
- Hardware Interfaces
- Software Interfaces
- Database logical
- Communications Interfaces
- Website Security and Performance

### 1.2 Test Type

In this My Kitchen online food ordering system, we must be conduct 3 types of testing;

- Integration Testing – Individual software modules are combined and tested as a group
- System Testing – Conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements
- API Testing – Test all the APIs create for the software under tested

### 1.3 Risks and Issues

Risks	How to avoid
Lack skills of the team members for testing	Conduct training programs
Poor management	Conduct leadership training for the management
According to the project schedule, it is difficult to complete project on time	Arrange several groups for each testing parts
Lack of contribution in team members	motivating team members for more effort
Lack of relationship between team members	Conduct some events to improve communication skills with team members
Incorrect budget estimate and overspending	Regularly monitor and measure progress before work begins

Lack of resources	Do resource management
Responsibilities have not been resolved properly	Encourage each team member in his task with his responsibilities
The project has expanded unexpectedly	Discuss with the management

## 1.4 Test Logistics

### 1.4.1 Who will test

External members of the project should be used as examiners to save on project costs

### 1.4.2 When will test occur

When all the following inputs are ready, the tester starts executing the tests

- There is software to test
- Test specifications are created
- The test environment is built
- Adequate human resources to test

## 2 Test Objective

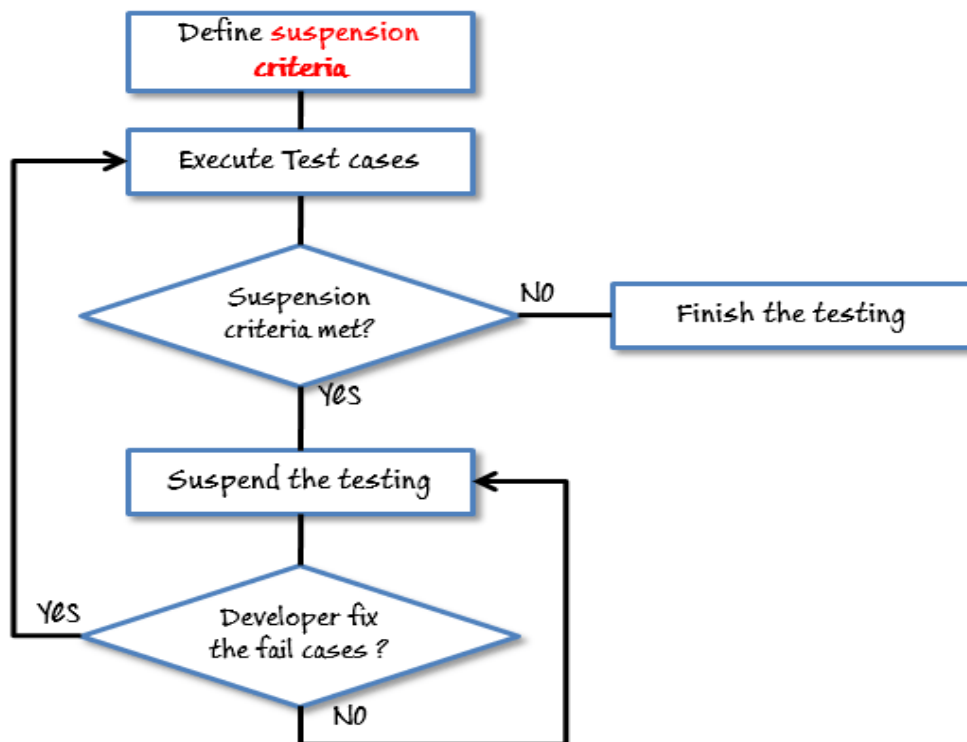
The objective of the test is the overall goal and success of the test execution. The purpose of the test is to detect as many software errors as possible; Make sure the software you are testing is free of errors before releasing it. So according to these things test objectives of this system are;

- Check if the My Kitchen main functionality of the website (add customer details, make order, and pay online...) is working as expected without any errors in the real business environment.
- Check if the external interface of the website such as UI is working as expected and meet the customer requirements.
- Confirm the use of the website. Is that functionality easy for the user or not?

## 3 Test Criteria

### 3.1 Suspension Criteria

If team members report that 40% of test cases have failed, suspend testing until the development team has corrected all failed cases.



### 3.2 Exit Criteria

Specifies the criteria for successful completion of a test phase

- The running rate must be 100% unless a clear reason is given.
- The pass rate is 80% and the pass rate is mandatory

## 4 Resource Planning

### 4.1 System Resource

Resource	Description
Server	Database server with installation of MySQL server, Web server with installation of Apache Server
Test tool	Develop a test tool that can automatically generate test results in a predefined format and execute automated tests. In going to use selenium
Network	Setup a LAN Gigabit and 1 internet line with the speed at least 5 Mb/s

Computer	At least 4 computer run Windows 10, Ram 4GB, System Type: 64-bit Operating System, x64 – based processor, Processor: Intel(R) Core (TM) i3- 5005U CPU @ 2.00GHz 2.00 GHz, Storage capacity Storage Capacity: 10 GB or More
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## 4.2 Human Resource

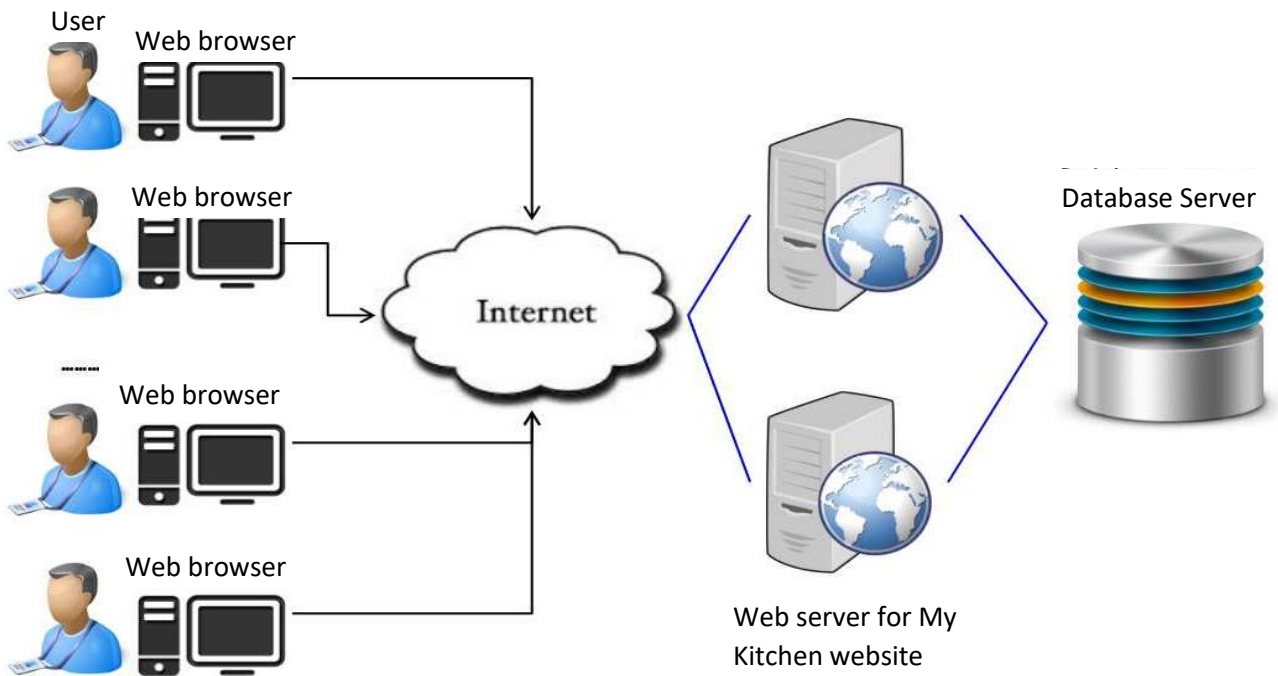
Member	Tasks
Test Manager	<ul style="list-style-type: none"> <li>• Manage the whole project</li> <li>• Define project directions</li> <li>• Acquire appropriate resources</li> </ul>
Test	<ul style="list-style-type: none"> <li>• Identifying and describing appropriate test techniques/tools/automation architecture</li> <li>• Verify and assess the Test Approach</li> <li>• Execute the tests, Log results, Report the defects</li> <li>• Outsourced members</li> </ul>
Developer in Test	<ul style="list-style-type: none"> <li>• Implement the test cases, test program, test suite etc.</li> </ul>
Test Administrator	<ul style="list-style-type: none"> <li>• Builds up and ensures test environment and assets are managed and maintained</li> <li>• Support Tester to use the test environment for test execution</li> </ul>
SQA members	<ul style="list-style-type: none"> <li>• Take in charge of quality assurance</li> <li>• Check to confirm whether the testing process is meeting specified requirements</li> </ul>

## 5 Test Environment

To complete this task, we need a strong collaboration between the testing team and the development team. We need to about followings;

- What is the maximum user connection which this website can handle at the same time?
- What are hardware/software requirements to install this website?
- Does the user's computer need any particular setting to browse the website?

Following figure describes the test environment of the My Kitchen website.



## 6 Schedule and Estimation

### 6.1 All Project Tasks and Estimation

Tasks	Members	Estimate Efforts
Create the Test Specification	Test Designer	180 man-hour
Perform Test Execution	Tester, Test Administrator	80 man-hour
Test Report	Tester	12 man-hour
Test Delivery		18 man-hour
Total		290 man-hour

### 6.2 Schedule for Complete Tasks

Task Name	Start Date	End Date	March 1							March 8							March 15							March 22						
			M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
Making test specification	02/03/2021	05/03/2021	<div></div> <div>1 week</div>																											
Perform test execution	08/03/2021	17/03/2021								<div></div> <div>1 week</div>																				
Test report	18/03/2021	23/03/2021															<div></div> <div>1 week</div>													
Test delivery	24/03/2021	28/03/2021																						<div></div> <div>1 week</div>						



## 7 Test Deliverables

Test deliverables can divide into several groups.

### 7.1 Before testing phase

- Test plans document
- Test cases documents
- Test Design specifications

### 7.2 During the Testing

- Test Tool
- Simulators
- Test Data
- Test Trace-ability Matrix
- Error logs and execution logs

### 7.3 After the Testing Cycle

- Test Results/reports
- Defect Report
- Installation/ Test procedures guidelines
- Release notes