

# Test Plan

<<Mr. & Mrs. Best Price >>

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## Introduction

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the Project *Mr. & Mrs. Best Price*.

The plan identify the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

### 1) Test Strategy

#### a. Scope of Testing

##### i. Features to be tested

All the features of Mr. & Mrs. Best Price which were defined in software requirement specification are need to be tested.

Module Name	Applicable Roles	Description
New User	(Visitor) User	<b>User:</b> A user can create of his/her account.
Edit Account	(Registered) User	<b>User:</b> A user can edit account details for an existing account.
Enable/Disable Account	-(Registered) User -Admin	<b>Admin:</b> An admin can enable/disable an account for a user. <b>User:</b> A user can enable/disable of his/her own account.

<b>Change Password</b>	- (Registered) User	<b>User:</b> A user can change password of only his/her account.
<b>Search Product</b>	-(Visitor) User -(Registered) User	<b>User:</b> A user can search a product.
<b>View Product</b>	-(Visitor) User -(Registered) User	<b>User:</b> A user can view a product.
<b>Add to Cart (Update/ Delete)</b>	-(Visitor) User -(Registered) User	<b>User:</b> A user can add their selected product into the Cart.
<b>Wish list</b>	(Registered) User	<b>User:</b> A user can create wish list of his/her specific product.
<b>Make Order</b>	(Registered) User	<b>User:</b> A user can place order of his/her own account.
<b>Make Payment</b>	(Registered) User	<b>User:</b> A user can make payment of specific order on his/her own account.
<b>New Address</b>	(Registered) User	<b>User:</b> A user can add address on his/her own account.
<b>Cancel Order*</b>	(Registered) User	<b>User:</b> A user can cancel the order on his/her own account.
<b>Edit Address</b>	(Registered) User	<b>User:</b> A user can edit details of an existing address.
<b>Add Category</b>	Admin	<b>Admin:</b> Admin can add the product category.
<b>Edit Category</b>	Admin	<b>Admin:</b> Admin can edit the details of existing category.

<b>Delete Category</b>	Admin	<b>Admin:</b> Admin can delete the details of existing category.
<b>Add Product</b>	Admin	<b>Admin:</b> Admin can add the New Product.
<b>Edit Product</b>	Admin	<b>Admin:</b> Admin can edit the details of existing Product.
<b>Delete Product</b>	Admin	<b>Admin:</b> Admin can delete the details of existing product.
<b>Add State</b>	Admin	<b>Admin:</b> Admin can add new State.
<b>Edit State</b>	Admin	<b>Admin:</b> Admin can edit the name of existing state.
<b>Delete State</b>	Admin	<b>Admin:</b> Admin can delete the existing state with all its cities.
<b>Add Shipping Charge/ Tax</b>	Admin	<b>Admin:</b> Admin can add shipping charge and taxes.
<b>Edit Shipping Charge/ Tax</b>	Admin	<b>Admin:</b> Admin can edit the details of existing Shipping Charge/ Tax.
<b>Inquiries/Complain/Feedback</b>	Admin	<b>Admin:</b> Admin can handle Inquiries, Complaints and Feedback
<b>Stock</b>	Admin	<b>Admin:</b> Admin can manage Stock.
<b>Add Offers</b>	Admin	<b>Admin:</b> Admin can offers & Discount

<b>Delete Offers</b>	Admin	<b>Admin:</b> Admin can delete existing details of Offers & Discount.
<b>Offers</b>	(Registered) User	<b>User:</b> User can avail the offers & discounts.

## ii. Features not to be tested:

These features are not to be tested because they are not included in the software requirement specification.

- User Interfaces
- Hardware Interfaces
- Software Interfaces
- Communication Interfaces
- Website Security & Performance

## b. Test Type

In the project *Mr. & Mrs. Best Price*, there're are mainly three types of testing should be conducted.

- Integration Testing
- Unit Testing
- System Testing
- User Acceptance Test

## c. Test Logistics

### i. Who will Test?

The project should use both **outsource member and members of project team** as a tester to save the project cost.

## ii. When will test occur?

The tester will start the test execution when all the following inputs are ready.

- Each Unit of Software is available.
- Test Specification is created.
- Test Environment is built.
- Enough Human Resource for testing.
- Software is available for testing.

## 2) Test Objective

The test objective are to verify the Functionality of website *Mr. & Mrs. Best Price*, the project should focus on testing the **Purchase & Sales Operation** such as Order Placement, Stock Management, Manage Product, Payment Methods etc. to **guarantee** all these operation can work normally in real business environment.

## 3) Test Criteria

### a. Suspension Criteria

If the team members report that there are **60% of test cases failed**, suspend testing until the development team fixes all the failed test cases.

## b. Exit Criteria

Specifies the criteria that denote a successful completion of a test phase.

- **Run Rate** is mandatory to be 100% unless a clear reason is given.
- **Pass Rate** is 80%, achieving the pass rate is mandatory.

## 4) Resource Planning

### a. System Resource

No.	Resources	Description
1	Server	---
2	Test Tools	---
3	Network	---
4	Computer	<b>At Least Computer run</b> <ul style="list-style-type: none"> <li>- Windows 7</li> <li>- 2GB RAM</li> <li>- CPU 3.4 GHz</li> </ul>

### b. Human Resource

No.	Member	Tasks
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1	Test Manager	<ul style="list-style-type: none"> <li>- Manage the Whole Project</li> <li>- Define the project Directions</li> <li>- Acquire Appropriate Resources</li> </ul>
2	Test	<ul style="list-style-type: none"> <li>- Identifying and Describing appropriate test techniques/ tools/ automation architecture</li> <li>- Verify and access the test approach</li> <li>- Execute the Tests, Log results, Report the defects.</li> <li>- Outsourced members.</li> </ul>
3	Developer in Test	<ul style="list-style-type: none"> <li>- Implement the Test Case, Test Program, Test Suite etc.</li> </ul>
4	Test Administrator	<ul style="list-style-type: none"> <li>- Builds up and ensure test environment and assets are managed and maintained.</li> <li>- Support Tester to use the test environment for test execution.</li> </ul>
5	SQA (Software Quality Assurance) 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 the special requirements.</li> </ul>

## 5) Schedule & Estimation

## 6) Test Deliverables

Test Deliverables are provided as below.

### a. Before testing phase

- Test plans Document.
- Test Cases Document.
- Test Design Specifications.

### b. During the Testing

- Test Tool

- Simulators
- Test Data
- Test Trace-ability Matrix
- Error logs and Execution logs.

**c. After the Testing cycles is over**

- Test Results/Reports
- Defect Reports
- Installation/ Test procedures guidelines.
- Release Notes.