System Test Plan

for

Online Pharmacy

Version 1.0 approved

Team no. CS01

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Contents

1 Purpose

System Test Plan is a comprehensive document which covers the different types of testing that our website Online Pharmacy will go through. Each testing has been covered in greater detail in the forthcoming chapters. Aspects related to the testing such as items to be tested, test approach, entry/exit criteria, pass/fail criteria, suspension/resumption criteria can be found in each of the chapter, wherever applicable. Intended Audience will be the client and Test Team. This document should be read in its entirety to clarify the procedure that needs to be followed for the testing purposes.

2 Scope

This test plan relates to the following System (i.e. object under test):

System Name	Online Pharmacy
System Version	1.0
Test Run	3

3 Acceptance Criteria

In general, a test case is "PASSED" when the real outcome corresponds to the expected outcome, otherwise the test case is marked as "FAILED".
Expected outcomes are defined separately in each test case.

- a 100% test coverage is required (i.e. all implemented changes need to be tested at least once)

- no critical defects are tolerated

4 Test Procedure

4.1 Test Strategy

According to the impact analysis of development of made fixes a specific test set is defined for this test run.

At least 100% of failed test cases will be retested.

In addition to the system validation, localized GUI masks are validated in an individual process.

4.2 Test Intensity

The criticality of any test case is rated, documented and printed with each test case document. A 100% requirement coverage is needed, that means that there is in minimum one test case per specification.

Test Intensity	Test Case Types applied
Extended	- Valid Input Tests (generate at least 1 possible output or event using valid inputs) Plus one or more of the following approaches: - Verifying boundary values for each parameter; o Entering an invalid value for each parameter; o Special input values: 0, negative numbers, wrong format, accented characters, empty fields, extremely high or low values; - Try as much as possible not allowed user actions or events - Interfering/Interrupting events or user actions outside the specified behavior, e.g. removing cables, closing browser window, pushing buttons several times, removing instrument during data transfer, time-outs, parallel browser sessions, etc. - Error Guessing
Standard	- Valid Input Tests (generate at least 1 possible output or event using valid inputs)

Test Environment In order to successfully and reproducibly conduct the technical validation the following provisions and preconditions have to be established:

5 Test Case List

The following are the test cases which will be used in order to check the authenticity of our system:

USER INTERFACE:

ID-TC1:

TITLE: User Registration
Desc: This test case checks that the entry of the user is getting properly saved in the database such that the password and the username which he/she enters during the registration successfully works during log in.

ID-TC2:

TITLE: Log In
Desc: This test case checks that when the entries (username and password) are correct then only the user is able to proceed else he/she will have to change entries.

ID-TC3:

TITLE: Checking data in My Profile
Desc: This test cases verifies data from the database whether correct details

have been displayed or not.

ID-TC4:

TITLE: Edit profile
Desc: This test case changes all the entries which can be changed and checks if corresponding changes have been made in the database or not.

ID-TC5:

TITLE: Valid Input for searching OTC products
Desc: This test case checks following parameters:

1. The name should be a valid medicine name (no integer or invalid name allowed or special characters).

2. On searching Non-OTC products it should display a message "please provide prescription".

3. The output should be the specified medicines available.

ID-TC6:

TITLE: Algorithm Checking
Desc: This test case will check

1. Whether the displayed whether the displaced pharmacies are first five pharmacies according to the distance or not

2. The validity of the pharmacies

3. The mentioned pharmacies should have enough stock for the requested quantity of item.

ID-TC7:

TITLE: Cart Functionality
Desc: This test case will check:

1. Whether the items are adding correctly or not.

2. The items should remain stored even after log out.

ID-TC8:

TITLE: Upload Prescription
Desc : This test case checks whether the uploaded image is being saved in the database in the correct account or not and is visible later or not.

ID-TC9:

TITLE : Algorithm2 Checking
Desc: After uploading the prescription, there would be few options asked from the user, the results should be stored temporarily .
Then the test would verify

1. Whether the prescription request is reaching the nearest five pharmacies or not.

2. Whether the order is given to the first pharmacy which approved the request or not.

3. Whether an order is generated or not with details of that order accessible to both customer and pharmacy.

ID-TC10:

TITLE: Buy Now Option
Desc: This option will come in two cases

Case1:
When the customer directly selects buy now option (without adding to the cart)
The test case in this case would check whether the request is send to the particular pharmacy or not, whether an order is being created or not and the correct order details are accessible to both pharmacy and customer.

Case2: When the customer selects buy now option for a item added in the cart
The test case works same as in case 1, and additionally it checks whether the item are cleared out of the cart or not.
This test case will also check whether the order is placed or not if the browser closes or network goes off.

ID-TC 11:

TITLE: Check Order Log
Desc: This test case will check the whether the data displayed is complete or not.

ID-TC 12

TITLE: Cancel order
Desc: This test case will check that the entry of that order is deleted on both ends user as well as pharmacy and pharmacy should receive a notification regarding the same.

ID-TC 13

TITLE: Review System
Desc: This test case should check

1. Whether the star ratings are working perfectly or not.

2. The user should be able to write comment as long as he/she wishes

3. The final rating for a pharmacy is calculated according to the rating algorithm.

4. The reviews are stored properly in the database

5. The reviews of a particular pharmacy should be visible only on their page

PHARMACY INTERFACE:

ID-TC14:

TITLE: Pharmacy Registration

Desc: This test case checks whether the pharmacy has uploaded the required documents along with all the details.

This test case also checks that all the details are getting properly saved in the databse such that the password and the username which pharmacy enters during the registration successfully works during log in.

ID-TC15:

TITLE: Log In

Desc: This test case checks that when the entries (username and password) are correct then only the user is able to proceed else he/she will have to change entries.

ID-TC16:

TITLE: Product Inventory Formation

This test case checks that the particular products selected from the database should only add to the pharmacy's product database.

ID-TC17:

TITLE: Adding a new Item to the database

Desc: This test case checks that when a pharmacist wants to add a new product to the database, his/her request should reach the admin.

ID-TC18:

TITLE: Reviewing order log

Desc: This test case will check the whether the data displayed is complete or not.

ID-TC19:

TITLE: My Profile

Desc: This test cases verifies data from the database whether correct details have been displayed or not.

ID-TC20:

TITLE: Edit Profile
Desc: This test case changes all the entries which can be changed and checks if corresponding changes have been made in the database or not.

ADMIN INTERFACE:

ID-TC21:

TITLE: Complaint Management
Desc: This test case checks whether the complaints sent by the user are reaching the administration and admin is able sending the feedback to the correct pharmacy.

ID-TC25:

TITLE: Review Management
Desc: This test case checks if a pharmacy has a bad response, it is notified for the same.